APPENDIX A

AIR QUALITY AND GHG MODELING RESULTS

Existing Plus Project Conditions Unmitigated

Simmerhorn Ranch

Sacramento Metropolitan AQMD Air District, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Elementary School	200.00	Student	10.10	16,720.67	0
Other Asphalt Surfaces	9.03	1000sqft	0.21	9,025.00	0
City Park	6.60	Acre	6.60	287,496.00	0
Single Family Housing	438.00	Dwelling Unit	91.50	788,400.00	1169

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	3.5	**Precipitation Freq (Days)**	58
Climate Zone	6			**Operational Year**	2028
Utility Company	Sacramento Municipal Utility District				
CO2 Intensity (lb/MWhr)	298.37	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - CO2 intensity factor updated to reflect SMUD's projected RPS standards.

Land Use - Lot acreages updated per the preliminary site plans from September 2019 and information provided by the project applicant.

Construction Phase - Total days updated per the tentative schedule provided by the project applicant on the submitted air quality questionnaire.

Demolition -

Grading - Total acres graded updated per applicant-provided information.

Vehicle Trips - Updated weekday trip rates updated per the GHD Traffic Impact Study prepared for the proposed project. City park trip generation rate is set to zero because the applicant intends that all park visitors will access the site by foot.

Woodstoves - Applicant indicated that the proposed residents would have a natural gas fireplace.

Energy Use - Title 24 electricity and natural gas energy intensities are adjusted to comply with the 2019 CBSC.

Mobile Land Use Mitigation -

Area Mitigation -

Simmerhorn Ranch - Sacramento Metropolitan AQMD Air District, Annual

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	200.00	10.00
tblConstructionPhase	NumDays	120.00	20.00
tblConstructionPhase	NumDays	310.00	40.00
tblConstructionPhase	NumDays	220.00	200.00
tblConstructionPhase	NumDays	3,100.00	1,300.00
tblConstructionPhase	NumDays	220.00	1,300.00
tblEnergyUse	T24E	2.05	1.44
tblEnergyUse	T24E	678.97	319.12
tblEnergyUse	T24NG	14.60	10.22
tblEnergyUse	T24NG	23,147.69	10,879.41
tblFireplaces	NumberGas	0.00	438.00
tblFireplaces	NumberNoFireplace	438.00	0.00
tblGrading	AcresOfGrading	100.00	119.00
tblGrading	MaterialImported	0.00	2,300.00
tblLandUse	LandUseSquareFeet	9,030.00	9,025.00
tblLandUse	LotAcreage	0.38	10.10
tblLandUse	LotAcreage	142.21	91.50
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblProjectCharacteristics	CO2IntensityFactor	590.31	298.37
tblTripsAndVMT	WorkerTripNumber	28.00	18.00
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	1.29	0.47
tblVehicleTrips	WD_TR	9.52	8.59

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2019	0.0291	0.3146	0.1874	3.8000e-004	0.0227	0.0152	0.0379	3.7100e-003	0.0141	0.0178	0.0000	34.3682	34.3682	8.2300e-003	0.0000	34.5740
2021	0.2087	2.1868	1.8052	3.2600e-003	0.3774	0.1034	0.4807	0.1758	0.0951	0.2710	0.0000	287.7910	287.7910	0.0879	0.0000	289.9894
2022	1.0330	2.9473	3.2142	8.0200e-003	0.2937	0.1075	0.4013	0.0794	0.1012	0.1805	0.0000	723.6701	723.6701	0.0938	0.0000	726.0153
2023	1.3978	3.1679	3.5948	9.8200e-003	0.4058	0.1039	0.5097	0.1096	0.0983	0.2079	0.0000	888.5003	888.5003	0.0946	0.0000	890.8644
2024	1.3843	3.0298	3.5218	9.7600e-003	0.4089	0.0919	0.5008	0.1105	0.0869	0.1974	0.0000	883.3843	883.3843	0.0940	0.0000	885.7339
2025	1.3558	2.8556	3.4173	9.6000e-003	0.4073	0.0791	0.4864	0.1101	0.0747	0.1848	0.0000	868.3018	868.3018	0.0925	0.0000	870.6139
2026	1.3484	2.8315	3.3483	9.4800e-003	0.4073	0.0789	0.4862	0.1101	0.0746	0.1847	0.0000	857.6905	857.6905	0.0919	0.0000	859.9875
2027	0.3947	0.7488	0.8825	2.5100e-003	0.1098	0.0211	0.1309	0.0297	0.0200	0.0496	0.0000	226.9434	226.9434	0.0242	0.0000	227.5494
Maximum	**1.3978**	**3.1679**	**3.5948**	**9.8200e-003**	**0.4089**	**0.1075**	**0.5097**	**0.1758**	**0.1012**	**0.2710**	**0.0000**	**888.5003**	**888.5003**	**0.0946**	**0.0000**	**890.8644**

2.1 Overall Construction

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2019	0.0291	0.3146	0.1874	3.8000e-004	0.0227	0.0152	0.0379	3.7100e-003	0.0141	0.0178	0.0000	34.3681	34.3681	8.2300e-003	0.0000	34.5739
2021	0.2087	2.1868	1.8052	3.2600e-003	0.3774	0.1034	0.4807	0.1758	0.0951	0.2710	0.0000	287.7907	287.7907	0.0879	0.0000	289.9891
2022	1.0330	2.9473	3.2142	8.0200e-003	0.2937	0.1075	0.4013	0.0794	0.1012	0.1805	0.0000	723.6697	723.6697	0.0938	0.0000	726.0150
2023	1.3978	3.1679	3.5948	9.8200e-003	0.4058	0.1039	0.5097	0.1096	0.0983	0.2079	0.0000	888.4999	888.4999	0.0946	0.0000	890.8640
2024	1.3843	3.0298	3.5218	9.7600e-003	0.4089	0.0919	0.5008	0.1105	0.0869	0.1974	0.0000	883.3839	883.3839	0.0940	0.0000	885.7335
2025	1.3558	2.8556	3.4173	9.6000e-003	0.4073	0.0791	0.4864	0.1101	0.0747	0.1848	0.0000	868.3014	868.3014	0.0925	0.0000	870.6135
2026	1.3484	2.8315	3.3483	9.4800e-003	0.4073	0.0789	0.4862	0.1101	0.0746	0.1847	0.0000	857.6901	857.6901	0.0919	0.0000	859.9871
2027	0.3947	0.7488	0.8825	2.5100e-003	0.1098	0.0211	0.1309	0.0297	0.0200	0.0496	0.0000	226.9433	226.9433	0.0242	0.0000	227.5493
Maximum	**1.3978**	**3.1679**	**3.5948**	**9.8200e-003**	**0.4089**	**0.1075**	**0.5097**	**0.1758**	**0.1012**	**0.2710**	**0.0000**	**888.4999**	**888.4999**	**0.0946**	**0.0000**	**890.8640**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	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)
1	**12-1-2019**	**2-29-2020**	0.3193	0.3193
6	**3-1-2021**	**5-31-2021**	0.7992	0.7992

7	**6-1-2021**	**8-31-2021**	0.9701	0.9701
8	**9-1-2021**	**11-30-2021**	0.4638	0.4638
9	**12-1-2021**	**2-28-2022**	0.4175	0.4175
10	**3-1-2022**	**5-31-2022**	0.8005	0.8005
11	**6-1-2022**	**8-31-2022**	1.2559	1.2559
12	**9-1-2022**	**11-30-2022**	1.2467	1.2467
13	**12-1-2022**	**2-28-2023**	1.1682	1.1682
14	**3-1-2023**	**5-31-2023**	1.1552	1.1552
15	**6-1-2023**	**8-31-2023**	1.1537	1.1537
16	**9-1-2023**	**11-30-2023**	1.1442	1.1442
17	**12-1-2023**	**2-29-2024**	1.1149	1.1149
18	**3-1-2024**	**5-31-2024**	1.1083	1.1083
19	**6-1-2024**	**8-31-2024**	1.1069	1.1069
20	**9-1-2024**	**11-30-2024**	1.0976	1.0976
21	**12-1-2024**	**2-28-2025**	1.0567	1.0567
22	**3-1-2025**	**5-31-2025**	1.0614	1.0614
23	**6-1-2025**	**8-31-2025**	1.0601	1.0601
24	**9-1-2025**	**11-30-2025**	1.0511	1.0511
25	**12-1-2025**	**2-28-2026**	1.0356	1.0356
26	**3-1-2026**	**5-31-2026**	1.0534	1.0534
27	**6-1-2026**	**8-31-2026**	1.0521	1.0521
28	**9-1-2026**	**11-30-2026**	1.0431	1.0431
29	**12-1-2026**	**2-28-2027**	1.0280	1.0280
30	**3-1-2027**	**5-31-2027**	0.4790	0.4790
		Highest	1.2559	1.2559

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	3.7846	0.0520	4.5154	2.4000e-004		0.0251	0.0251		0.0251	0.0251	0.0000	7.3837	7.3837	7.0800e-003	0.0000	7.5607
Energy	0.0330	0.2827	0.1240	1.8000e-003		0.0228	0.0228		0.0228	0.0228	0.0000	821.1856	821.1856	0.0543	0.0159	827.2916
Mobile	0.7937	3.5272	9.0959	0.0356	3.7284	0.0258	3.7543	0.9987	0.0240	1.0227	0.0000	3,285.0318	3,285.0318	0.1327	0.0000	3,288.3500
Waste						0.0000	0.0000		0.0000	0.0000	92.9516	0.0000	92.9516	5.4933	0.0000	230.2836
Water						0.0000	0.0000		0.0000	0.0000	10.2681	32.4084	42.6765	0.0385	0.0230	50.4873
Total	**4.6114**	**3.8619**	**13.7354**	**0.0376**	**3.7284**	**0.0737**	**3.8021**	**0.9987**	**0.0719**	**1.0705**	**103.2197**	**4,146.0095**	**4,249.2292**	**5.7259**	**0.0389**	**4,403.9732**

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	3.7846	0.0520	4.5154	2.4000e-004		0.0251	0.0251		0.0251	0.0251	0.0000	7.3837	7.3837	7.0800e-003	0.0000	7.5607
Energy	0.0330	0.2827	0.1240	1.8000e-003		0.0228	0.0228		0.0228	0.0228	0.0000	821.1856	821.1856	0.0543	0.0159	827.2916
Mobile	0.7794	3.4475	8.7396	0.0339	3.5420	0.0247	3.5667	0.9487	0.0230	0.9717	0.0000	3,131.8006	3,131.8006	0.1276	0.0000	3,134.9909
Waste						0.0000	0.0000		0.0000	0.0000	92.9516	0.0000	92.9516	5.4933	0.0000	230.2836
Water						0.0000	0.0000		0.0000	0.0000	10.2681	32.4084	42.6765	0.0385	0.0230	50.4873
Total	**4.5970**	**3.7822**	**13.3790**	**0.0360**	**3.5420**	**0.0726**	**3.6146**	**0.9487**	**0.0709**	**1.0196**	**103.2197**	**3,992.7783**	**4,095.9981**	**5.7208**	**0.0389**	**4,250.6141**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.31**	**2.06**	**2.59**	**4.41**	**5.00**	**1.49**	**4.93**	**5.00**	**1.43**	**4.76**	**0.00**	**3.70**	**3.61**	**0.09**	**0.00**	**3.48**

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	12/1/2019	12/13/2019	5	10	
2	Site Prep	Site Preparation	4/15/2021	5/12/2021	5	20	
3	Grading	Grading	5/13/2021	7/7/2021	5	40	
4	Paving	Paving	7/8/2021	4/13/2022	5	200	
5	Building Construction	Building Construction	4/14/2022	4/7/2027	5	1300	
6	Architectural Coating	Architectural Coating	4/28/2022	4/21/2027	5	1300	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 119

Acres of Paving: 0.21

Residential Indoor: 1,596,510; Residential Outdoor: 532,170; Non-Residential Indoor: 25,081; Non-Residential Outdoor: 8,360; Striped Parking Area: 542 (Architectural Coating – sqft)

OffRoad Equipment

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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	3	8.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Site Prep	Rubber Tired Dozers	3	8.00	247	0.40
Site Prep	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	11	18.00	0.00	182.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Site Prep	7	18.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	227.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	289.00	98.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	58.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0205	0.0000	0.0205	3.1100e-003	0.0000	3.1100e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0279	0.2860	0.1778	3.0000e-004		0.0150	0.0150		0.0139	0.0139	0.0000	26.7279	26.7279	7.8000e-003	0.0000	26.9228
Total	**0.0279**	**0.2860**	**0.1778**	**3.0000e-004**	**0.0205**	**0.0150**	**0.0356**	**3.1100e-003**	**0.0139**	**0.0170**	**0.0000**	**26.7279**	**26.7279**	**7.8000e-003**	**0.0000**	**26.9228**

3.2 Demolition - 2019

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	8.0000e-004	0.0283	6.8400e-003	7.0000e-005	1.5400e-003	1.2000e-004	1.6500e-003	4.2000e-004	1.1000e-004	5.4000e-004	0.0000	7.0360	7.0360	4.2000e-004	0.0000	7.0465
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.6000e-004	2.6000e-004	2.7600e-003	1.0000e-005	6.6000e-004	0.0000	6.7000e-004	1.8000e-004	0.0000	1.8000e-004	0.0000	0.6042	0.6042	2.0000e-005	0.0000	0.6047
Total	**1.1600e-003**	**0.0285**	**9.6000e-003**	**8.0000e-005**	**2.2000e-003**	**1.2000e-004**	**2.3200e-003**	**6.0000e-004**	**1.1000e-004**	**7.2000e-004**	**0.0000**	**7.6403**	**7.6403**	**4.4000e-004**	**0.0000**	**7.6512**

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					0.0205	0.0000	0.0205	3.1100e-003	0.0000	3.1100e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0279	0.2860	0.1778	3.0000e-004		0.0150	0.0150		0.0139	0.0139	0.0000	26.7279	26.7279	7.8000e-003	0.0000	26.9228
Total	**0.0279**	**0.2860**	**0.1778**	**3.0000e-004**	**0.0205**	**0.0150**	**0.0356**	**3.1100e-003**	**0.0139**	**0.0170**	**0.0000**	**26.7279**	**26.7279**	**7.8000e-003**	**0.0000**	**26.9228**

3.2 Demolition - 2019

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	8.0000e-004	0.0283	6.8400e-003	7.0000e-005	1.5400e-003	1.2000e-004	1.6500e-003	4.2000e-004	1.1000e-004	5.4000e-004	0.0000	7.0360	7.0360	4.2000e-004	0.0000	7.0465
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.6000e-004	2.6000e-004	2.7600e-003	1.0000e-005	6.6000e-004	0.0000	6.7000e-004	1.8000e-004	0.0000	1.8000e-004	0.0000	0.6042	0.6042	2.0000e-005	0.0000	0.6047
Total	**1.1600e-003**	**0.0285**	**9.6000e-003**	**8.0000e-005**	**2.2000e-003**	**1.2000e-004**	**2.3200e-003**	**6.0000e-004**	**1.1000e-004**	**7.2000e-004**	**0.0000**	**7.6403**	**7.6403**	**4.4000e-004**	**0.0000**	**7.6512**

3.3 Site Prep - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1807	0.0000	0.1807	0.0993	0.0000	0.0993	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0389	0.4050	0.2115	3.8000e-004		0.0204	0.0204		0.0188	0.0188	0.0000	33.4357	33.4357	0.0108	0.0000	33.7061
Total	**0.0389**	**0.4050**	**0.2115**	**3.8000e-004**	**0.1807**	**0.0204**	**0.2011**	**0.0993**	**0.0188**	**0.1181**	**0.0000**	**33.4357**	**33.4357**	**0.0108**	**0.0000**	**33.7061**

3.3 Site Prep - 2021

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	6.2000e-004	4.1000e-004	4.5600e-003	1.0000e-005	1.3200e-003	1.0000e-005	1.3300e-003	3.5000e-004	1.0000e-005	3.6000e-004	0.0000	1.1314	1.1314	3.0000e-005	0.0000	1.1322
Total	**6.2000e-004**	**4.1000e-004**	**4.5600e-003**	**1.0000e-005**	**1.3200e-003**	**1.0000e-005**	**1.3300e-003**	**3.5000e-004**	**1.0000e-005**	**3.6000e-004**	**0.0000**	**1.1314**	**1.1314**	**3.0000e-005**	**0.0000**	**1.1322**

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					0.1807	0.0000	0.1807	0.0993	0.0000	0.0993	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0389	0.4050	0.2115	3.8000e-004		0.0204	0.0204		0.0188	0.0188	0.0000	33.4357	33.4357	0.0108	0.0000	33.7060
Total	**0.0389**	**0.4050**	**0.2115**	**3.8000e-004**	**0.1807**	**0.0204**	**0.2011**	**0.0993**	**0.0188**	**0.1181**	**0.0000**	**33.4357**	**33.4357**	**0.0108**	**0.0000**	**33.7060**

3.3 Site Prep - 2021

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	6.2000e-004	4.1000e-004	4.5600e-003	1.0000e-005	1.3200e-003	1.0000e-005	1.3300e-003	3.5000e-004	1.0000e-005	3.6000e-004	0.0000	1.1314	1.1314	3.0000e-005	0.0000	1.1322
Total	**6.2000e-004**	**4.1000e-004**	**4.5600e-003**	**1.0000e-005**	**1.3200e-003**	**1.0000e-005**	**1.3300e-003**	**3.5000e-004**	**1.0000e-005**	**3.6000e-004**	**0.0000**	**1.1314**	**1.1314**	**3.0000e-005**	**0.0000**	**1.1322**

3.4 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1835	0.0000	0.1835	0.0730	0.0000	0.0730	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0838	0.9280	0.6176	1.2400e-003		0.0397	0.0397		0.0365	0.0365	0.0000	108.9900	108.9900	0.0353	0.0000	109.8712
Total	**0.0838**	**0.9280**	**0.6176**	**1.2400e-003**	**0.1835**	**0.0397**	**0.2233**	**0.0730**	**0.0365**	**0.1096**	**0.0000**	**108.9900**	**108.9900**	**0.0353**	**0.0000**	**109.8712**

3.4 Grading - 2021

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	8.1000e-004	0.0300	6.8500e-003	9.0000e-005	1.9100e-003	1.0000e-004	2.0200e-003	5.3000e-004	1.0000e-004	6.2000e-004	0.0000	8.5833	8.5833	5.0000e-004	0.0000	8.5957
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	1.3900e-003	9.1000e-004	0.0101	3.0000e-005	2.9400e-003	2.0000e-005	2.9600e-003	7.8000e-004	2.0000e-005	8.0000e-004	0.0000	2.5143	2.5143	7.0000e-005	0.0000	2.5160
Total	**2.2000e-003**	**0.0309**	**0.0170**	**1.2000e-004**	**4.8500e-003**	**1.2000e-004**	**4.9800e-003**	**1.3100e-003**	**1.2000e-004**	**1.4200e-003**	**0.0000**	**11.0976**	**11.0976**	**5.7000e-004**	**0.0000**	**11.1116**

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					0.1835	0.0000	0.1835	0.0730	0.0000	0.0730	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0838	0.9280	0.6176	1.2400e-003		0.0397	0.0397		0.0365	0.0365	0.0000	108.9898	108.9898	0.0353	0.0000	109.8711
Total	**0.0838**	**0.9280**	**0.6176**	**1.2400e-003**	**0.1835**	**0.0397**	**0.2233**	**0.0730**	**0.0365**	**0.1096**	**0.0000**	**108.9898**	**108.9898**	**0.0353**	**0.0000**	**109.8711**

3.4 Grading - 2021

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	8.1000e-004	0.0300	6.8500e-003	9.0000e-005	1.9100e-003	1.0000e-004	2.0200e-003	5.3000e-004	1.0000e-004	6.2000e-004	0.0000	8.5833	8.5833	5.0000e-004	0.0000	8.5957
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	1.3900e-003	9.1000e-004	0.0101	3.0000e-005	2.9400e-003	2.0000e-005	2.9600e-003	7.8000e-004	2.0000e-005	8.0000e-004	0.0000	2.5143	2.5143	7.0000e-005	0.0000	2.5160
Total	**2.2000e-003**	**0.0309**	**0.0170**	**1.2000e-004**	**4.8500e-003**	**1.2000e-004**	**4.9800e-003**	**1.3100e-003**	**1.2000e-004**	**1.4200e-003**	**0.0000**	**11.0976**	**11.0976**	**5.7000e-004**	**0.0000**	**11.1116**

3.5 Paving - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0797	0.8204	0.9305	1.4500e-003		0.0430	0.0430		0.0396	0.0396	0.0000	127.1491	127.1491	0.0411	0.0000	128.1772
Paving	1.7000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0799**	**0.8204**	**0.9305**	**1.4500e-003**		**0.0430**	**0.0430**		**0.0396**	**0.0396**	**0.0000**	**127.1491**	**127.1491**	**0.0411**	**0.0000**	**128.1772**

3.5 Paving - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.3000e-003	2.1600e-003	0.0241	7.0000e-005	7.0000e-003	5.0000e-005	7.0400e-003	1.8600e-003	5.0000e-005	1.9100e-003	0.0000	5.9872	5.9872	1.6000e-004	0.0000	5.9911
Total	**3.3000e-003**	**2.1600e-003**	**0.0241**	**7.0000e-005**	**7.0000e-003**	**5.0000e-005**	**7.0400e-003**	**1.8600e-003**	**5.0000e-005**	**1.9100e-003**	**0.0000**	**5.9872**	**5.9872**	**1.6000e-004**	**0.0000**	**5.9911**

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	0.0797	0.8204	0.9305	1.4500e-003		0.0430	0.0430		0.0396	0.0396	0.0000	127.1490	127.1490	0.0411	0.0000	128.1770
Paving	1.7000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0799**	**0.8204**	**0.9305**	**1.4500e-003**		**0.0430**	**0.0430**		**0.0396**	**0.0396**	**0.0000**	**127.1490**	**127.1490**	**0.0411**	**0.0000**	**128.1770**

3.5 Paving - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.3000e-003	2.1600e-003	0.0241	7.0000e-005	7.0000e-003	5.0000e-005	7.0400e-003	1.8600e-003	5.0000e-005	1.9100e-003	0.0000	5.9872	5.9872	1.6000e-004	0.0000	5.9911
Total	**3.3000e-003**	**2.1600e-003**	**0.0241**	**7.0000e-005**	**7.0000e-003**	**5.0000e-005**	**7.0400e-003**	**1.8600e-003**	**5.0000e-005**	**1.9100e-003**	**0.0000**	**5.9872**	**5.9872**	**1.6000e-004**	**0.0000**	**5.9911**

3.5 Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0403	0.4061	0.5322	8.3000e-004		0.0207	0.0207		0.0191	0.0191	0.0000	73.1006	73.1006	0.0236	0.0000	73.6916
Paving	1.0000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0404**	**0.4061**	**0.5322**	**8.3000e-004**		**0.0207**	**0.0207**		**0.0191**	**0.0191**	**0.0000**	**73.1006**	**73.1006**	**0.0236**	**0.0000**	**73.6916**

3.5 Paving - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	1.7700e-003	1.1100e-003	0.0127	4.0000e-005	4.0200e-003	3.0000e-005	4.0500e-003	1.0700e-003	3.0000e-005	1.0900e-003	0.0000	3.3182	3.3182	8.0000e-005	0.0000	3.3202
Total	**1.7700e-003**	**1.1100e-003**	**0.0127**	**4.0000e-005**	**4.0200e-003**	**3.0000e-005**	**4.0500e-003**	**1.0700e-003**	**3.0000e-005**	**1.0900e-003**	**0.0000**	**3.3182**	**3.3182**	**8.0000e-005**	**0.0000**	**3.3202**

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	0.0403	0.4061	0.5322	8.3000e-004		0.0207	0.0207		0.0191	0.0191	0.0000	73.1005	73.1005	0.0236	0.0000	73.6916
Paving	1.0000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0404**	**0.4061**	**0.5322**	**8.3000e-004**		**0.0207**	**0.0207**		**0.0191**	**0.0191**	**0.0000**	**73.1005**	**73.1005**	**0.0236**	**0.0000**	**73.6916**

3.5 Paving - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	1.7700e-003	1.1100e-003	0.0127	4.0000e-005	4.0200e-003	3.0000e-005	4.0500e-003	1.0700e-003	3.0000e-005	1.0900e-003	0.0000	3.3182	3.3182	8.0000e-005	0.0000	3.3202
Total	**1.7700e-003**	**1.1100e-003**	**0.0127**	**4.0000e-005**	**4.0200e-003**	**3.0000e-005**	**4.0500e-003**	**1.0700e-003**	**3.0000e-005**	**1.0900e-003**	**0.0000**	**3.3182**	**3.3182**	**8.0000e-005**	**0.0000**	**3.3202**

3.6 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1595	1.4601	1.5300	2.5200e-003		0.0756	0.0756		0.0712	0.0712	0.0000	216.6631	216.6631	0.0519	0.0000	217.9608
Total	**0.1595**	**1.4601**	**1.5300**	**2.5200e-003**		**0.0756**	**0.0756**		**0.0712**	**0.0712**	**0.0000**	**216.6631**	**216.6631**	**0.0519**	**0.0000**	**217.9608**

3.6 Building Construction - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0267	0.8900	0.2310	2.2200e-003	0.0536	2.2700e-003	0.0558	0.0155	2.1700e-003	0.0177	0.0000	213.1149	213.1149	0.0119	0.0000	213.4135
Worker	0.0874	0.0550	0.6285	1.8100e-003	0.1985	1.3500e-003	0.1998	0.0528	1.2400e-003	0.0540	0.0000	163.7677	163.7677	4.0100e-003	0.0000	163.8678
Total	**0.1142**	**0.9450**	**0.8595**	**4.0300e-003**	**0.2520**	**3.6200e-003**	**0.2557**	**0.0683**	**3.4100e-003**	**0.0717**	**0.0000**	**376.8826**	**376.8826**	**0.0160**	**0.0000**	**377.2813**

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	0.1595	1.4601	1.5300	2.5200e-003		0.0756	0.0756		0.0712	0.0712	0.0000	216.6629	216.6629	0.0519	0.0000	217.9605
Total	**0.1595**	**1.4601**	**1.5300**	**2.5200e-003**		**0.0756**	**0.0756**		**0.0712**	**0.0712**	**0.0000**	**216.6629**	**216.6629**	**0.0519**	**0.0000**	**217.9605**

3.6 Building Construction - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0267	0.8900	0.2310	2.2200e-003	0.0536	2.2700e-003	0.0558	0.0155	2.1700e-003	0.0177	0.0000	213.1149	213.1149	0.0119	0.0000	213.4135
Worker	0.0874	0.0550	0.6285	1.8100e-003	0.1985	1.3500e-003	0.1998	0.0528	1.2400e-003	0.0540	0.0000	163.7677	163.7677	4.0100e-003	0.0000	163.8678
Total	**0.1142**	**0.9450**	**0.8595**	**4.0300e-003**	**0.2520**	**3.6200e-003**	**0.2557**	**0.0683**	**3.4100e-003**	**0.0717**	**0.0000**	**376.8826**	**376.8826**	**0.0160**	**0.0000**	**377.2813**

3.6 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2045	1.8700	2.1117	3.5000e-003		0.0910	0.0910		0.0856	0.0856	0.0000	301.3462	301.3462	0.0717	0.0000	303.1383
Total	**0.2045**	**1.8700**	**2.1117**	**3.5000e-003**		**0.0910**	**0.0910**		**0.0856**	**0.0856**	**0.0000**	**301.3462**	**301.3462**	**0.0717**	**0.0000**	**303.1383**

3.6 Building Construction - 2023

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	0.0294	1.0459	0.2841	3.0200e-003	0.0745	1.5000e-003	0.0760	0.0215	1.4400e-003	0.0230	0.0000	290.8327	290.8327	0.0149	0.0000	291.2051
Worker	0.1138	0.0688	0.8025	2.4200e-003	0.2759	1.8300e-003	0.2778	0.0734	1.6900e-003	0.0751	0.0000	219.1479	219.1479	4.9900e-003	0.0000	219.2728
Total	**0.1432**	**1.1146**	**1.0866**	**5.4400e-003**	**0.3504**	**3.3300e-003**	**0.3537**	**0.0949**	**3.1300e-003**	**0.0980**	**0.0000**	**509.9806**	**509.9806**	**0.0199**	**0.0000**	**510.4779**

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	0.2045	1.8700	2.1117	3.5000e-003		0.0910	0.0910		0.0856	0.0856	0.0000	301.3458	301.3458	0.0717	0.0000	303.1380
Total	**0.2045**	**1.8700**	**2.1117**	**3.5000e-003**		**0.0910**	**0.0910**		**0.0856**	**0.0856**	**0.0000**	**301.3458**	**301.3458**	**0.0717**	**0.0000**	**303.1380**

3.6 Building Construction - 2023

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	0.0294	1.0459	0.2841	3.0200e-003	0.0745	1.5000e-003	0.0760	0.0215	1.4400e-003	0.0230	0.0000	290.8327	290.8327	0.0149	0.0000	291.2051
Worker	0.1138	0.0688	0.8025	2.4200e-003	0.2759	1.8300e-003	0.2778	0.0734	1.6900e-003	0.0751	0.0000	219.1479	219.1479	4.9900e-003	0.0000	219.2728
Total	**0.1432**	**1.1146**	**1.0866**	**5.4400e-003**	**0.3504**	**3.3300e-003**	**0.3537**	**0.0949**	**3.1300e-003**	**0.0980**	**0.0000**	**509.9806**	**509.9806**	**0.0199**	**0.0000**	**510.4779**

3.6 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**

3.6 Building Construction - 2024

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	0.0282	1.0338	0.2677	3.0300e-003	0.0750	1.4400e-003	0.0765	0.0217	1.3700e-003	0.0231	0.0000	291.3685	291.3685	0.0148	0.0000	291.7392
Worker	0.1078	0.0626	0.7489	2.3500e-003	0.2781	1.8100e-003	0.2799	0.0740	1.6600e-003	0.0756	0.0000	212.2492	212.2492	4.5400e-003	0.0000	212.3627
Total	**0.1361**	**1.0964**	**1.0166**	**5.3800e-003**	**0.3531**	**3.2500e-003**	**0.3563**	**0.0956**	**3.0300e-003**	**0.0987**	**0.0000**	**503.6177**	**503.6177**	**0.0194**	**0.0000**	**504.1018**

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**

3.6 Building Construction - 2024

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	0.0282	1.0338	0.2677	3.0300e-003	0.0750	1.4400e-003	0.0765	0.0217	1.3700e-003	0.0231	0.0000	291.3685	291.3685	0.0148	0.0000	291.7392
Worker	0.1078	0.0626	0.7489	2.3500e-003	0.2781	1.8100e-003	0.2799	0.0740	1.6600e-003	0.0756	0.0000	212.2492	212.2492	4.5400e-003	0.0000	212.3627
Total	**0.1361**	**1.0964**	**1.0166**	**5.3800e-003**	**0.3531**	**3.2500e-003**	**0.3563**	**0.0956**	**3.0300e-003**	**0.0987**	**0.0000**	**503.6177**	**503.6177**	**0.0194**	**0.0000**	**504.1018**

3.6 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**

3.6 Building Construction - 2025

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	0.0270	1.0107	0.2525	3.0000e-003	0.0747	1.3600e-003	0.0761	0.0216	1.3000e-003	0.0229	0.0000	288.6180	288.6180	0.0146	0.0000	288.9830
Worker	0.1014	0.0567	0.6910	2.2400e-003	0.2770	1.7700e-003	0.2788	0.0737	1.6300e-003	0.0753	0.0000	202.9738	202.9738	4.1000e-003	0.0000	203.0762
Total	**0.1284**	**1.0674**	**0.9435**	**5.2400e-003**	**0.3517**	**3.1300e-003**	**0.3549**	**0.0953**	**2.9300e-003**	**0.0982**	**0.0000**	**491.5918**	**491.5918**	**0.0187**	**0.0000**	**492.0592**

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**

3.6 Building Construction - 2025

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	0.0270	1.0107	0.2525	3.0000e-003	0.0747	1.3600e-003	0.0761	0.0216	1.3000e-003	0.0229	0.0000	288.6180	288.6180	0.0146	0.0000	288.9830
Worker	0.1014	0.0567	0.6910	2.2400e-003	0.2770	1.7700e-003	0.2788	0.0737	1.6300e-003	0.0753	0.0000	202.9738	202.9738	4.1000e-003	0.0000	203.0762
Total	**0.1284**	**1.0674**	**0.9435**	**5.2400e-003**	**0.3517**	**3.1300e-003**	**0.3549**	**0.0953**	**2.9300e-003**	**0.0982**	**0.0000**	**491.5918**	**491.5918**	**0.0187**	**0.0000**	**492.0592**

3.6 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**

3.6 Building Construction - 2026

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	0.0260	0.9926	0.2409	2.9800e-003	0.0747	1.2800e-003	0.0760	0.0216	1.2300e-003	0.0228	0.0000	287.0615	287.0615	0.0144	0.0000	287.4224
Worker	0.0962	0.0518	0.6432	2.1600e-003	0.2770	1.7100e-003	0.2787	0.0737	1.5800e-003	0.0753	0.0000	195.4325	195.4325	3.7300e-003	0.0000	195.5257
Total	**0.1221**	**1.0443**	**0.8841**	**5.1400e-003**	**0.3517**	**2.9900e-003**	**0.3547**	**0.0953**	**2.8100e-003**	**0.0981**	**0.0000**	**482.4939**	**482.4939**	**0.0182**	**0.0000**	**482.9482**

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**

3.6 Building Construction - 2026

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	0.0260	0.9926	0.2409	2.9800e-003	0.0747	1.2800e-003	0.0760	0.0216	1.2300e-003	0.0228	0.0000	287.0615	287.0615	0.0144	0.0000	287.4224
Worker	0.0962	0.0518	0.6432	2.1600e-003	0.2770	1.7100e-003	0.2787	0.0737	1.5800e-003	0.0753	0.0000	195.4325	195.4325	3.7300e-003	0.0000	195.5257
Total	**0.1221**	**1.0443**	**0.8841**	**5.1400e-003**	**0.3517**	**2.9900e-003**	**0.3547**	**0.0953**	**2.8100e-003**	**0.0981**	**0.0000**	**482.4939**	**482.4939**	**0.0182**	**0.0000**	**482.9482**

3.6 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	0.0472	0.4302	0.5549	9.3000e-004		0.0182	0.0182		0.0171	0.0171	0.0000	80.0122	80.0122	0.0188	0.0000	80.4824
Total	**0.0472**	**0.4302**	**0.5549**	**9.3000e-004**		**0.0182**	**0.0182**		**0.0171**	**0.0171**	**0.0000**	**80.0122**	**80.0122**	**0.0188**	**0.0000**	**80.4824**

3.6 Building Construction - 2027

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.6300e-003	0.2580	0.0610	7.8000e-004	0.0198	3.2000e-004	0.0201	5.7100e-003	3.1000e-004	6.0200e-003	0.0000	75.5028	75.5028	3.7800e-003	0.0000	75.5973
Worker	0.0241	0.0125	0.1586	5.5000e-004	0.0732	4.3000e-004	0.0737	0.0195	4.0000e-004	0.0199	0.0000	49.8813	49.8813	9.0000e-004	0.0000	49.9038
Total	**0.0307**	**0.2705**	**0.2197**	**1.3300e-003**	**0.0930**	**7.5000e-004**	**0.0937**	**0.0252**	**7.1000e-004**	**0.0259**	**0.0000**	**125.3842**	**125.3842**	**4.6800e-003**	**0.0000**	**125.5011**

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	0.0472	0.4302	0.5549	9.3000e-004		0.0182	0.0182		0.0171	0.0171	0.0000	80.0121	80.0121	0.0188	0.0000	80.4823
Total	**0.0472**	**0.4302**	**0.5549**	**9.3000e-004**		**0.0182**	**0.0182**		**0.0171**	**0.0171**	**0.0000**	**80.0121**	**80.0121**	**0.0188**	**0.0000**	**80.4823**

3.6 Building Construction - 2027

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.6300e-003	0.2580	0.0610	7.8000e-004	0.0198	3.2000e-004	0.0201	5.7100e-003	3.1000e-004	6.0200e-003	0.0000	75.5028	75.5028	3.7800e-003	0.0000	75.5973
Worker	0.0241	0.0125	0.1586	5.5000e-004	0.0732	4.3000e-004	0.0737	0.0195	4.0000e-004	0.0199	0.0000	49.8813	49.8813	9.0000e-004	0.0000	49.9038
Total	**0.0307**	**0.2705**	**0.2197**	**1.3300e-003**	**0.0930**	**7.5000e-004**	**0.0937**	**0.0252**	**7.1000e-004**	**0.0259**	**0.0000**	**125.3842**	**125.3842**	**4.6800e-003**	**0.0000**	**125.5011**

3.7 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.6824					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0181	0.1247	0.1605	2.6000e-004		7.2300e-003	7.2300e-003		7.2300e-003	7.2300e-003	0.0000	22.5963	22.5963	1.4700e-003	0.0000	22.6331
Total	**0.7005**	**0.1247**	**0.1605**	**2.6000e-004**		**7.2300e-003**	**7.2300e-003**		**7.2300e-003**	**7.2300e-003**	**0.0000**	**22.5963**	**22.5963**	**1.4700e-003**	**0.0000**	**22.6331**

3.7 Architectural Coating - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0166	0.0104	0.1194	3.4000e-004	0.0377	2.6000e-004	0.0380	0.0100	2.4000e-004	0.0103	0.0000	31.1093	31.1093	7.6000e-004	0.0000	31.1283
Total	**0.0166**	**0.0104**	**0.1194**	**3.4000e-004**	**0.0377**	**2.6000e-004**	**0.0380**	**0.0100**	**2.4000e-004**	**0.0103**	**0.0000**	**31.1093**	**31.1093**	**7.6000e-004**	**0.0000**	**31.1283**

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	0.6824					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0181	0.1247	0.1605	2.6000e-004		7.2300e-003	7.2300e-003		7.2300e-003	7.2300e-003	0.0000	22.5963	22.5963	1.4700e-003	0.0000	22.6331
Total	**0.7005**	**0.1247**	**0.1605**	**2.6000e-004**		**7.2300e-003**	**7.2300e-003**		**7.2300e-003**	**7.2300e-003**	**0.0000**	**22.5963**	**22.5963**	**1.4700e-003**	**0.0000**	**22.6331**

3.7 Architectural Coating - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0166	0.0104	0.1194	3.4000e-004	0.0377	2.6000e-004	0.0380	0.0100	2.4000e-004	0.0103	0.0000	31.1093	31.1093	7.6000e-004	0.0000	31.1283
Total	**0.0166**	**0.0104**	**0.1194**	**3.4000e-004**	**0.0377**	**2.6000e-004**	**0.0380**	**0.0100**	**2.4000e-004**	**0.0103**	**0.0000**	**31.1093**	**31.1093**	**7.6000e-004**	**0.0000**	**31.1283**

3.7 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.0024					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0249	0.1694	0.2355	3.9000e-004		9.2100e-003	9.2100e-003		9.2100e-003	9.2100e-003	0.0000	33.1923	33.1923	1.9900e-003	0.0000	33.2419
Total	**1.0273**	**0.1694**	**0.2355**	**3.9000e-004**		**9.2100e-003**	**9.2100e-003**		**9.2100e-003**	**9.2100e-003**	**0.0000**	**33.1923**	**33.1923**	**1.9900e-003**	**0.0000**	**33.2419**

3.7 Architectural Coating - 2023

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	0.0228	0.0138	0.1611	4.9000e-004	0.0554	3.7000e-004	0.0557	0.0147	3.4000e-004	0.0151	0.0000	43.9812	43.9812	1.0000e-003	0.0000	44.0063
Total	**0.0228**	**0.0138**	**0.1611**	**4.9000e-004**	**0.0554**	**3.7000e-004**	**0.0557**	**0.0147**	**3.4000e-004**	**0.0151**	**0.0000**	**43.9812**	**43.9812**	**1.0000e-003**	**0.0000**	**44.0063**

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	1.0024					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0249	0.1694	0.2354	3.9000e-004		9.2100e-003	9.2100e-003		9.2100e-003	9.2100e-003	0.0000	33.1923	33.1923	1.9900e-003	0.0000	33.2419
Total	**1.0273**	**0.1694**	**0.2354**	**3.9000e-004**		**9.2100e-003**	**9.2100e-003**		**9.2100e-003**	**9.2100e-003**	**0.0000**	**33.1923**	**33.1923**	**1.9900e-003**	**0.0000**	**33.2419**

3.7 Architectural Coating - 2023

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	0.0228	0.0138	0.1611	4.9000e-004	0.0554	3.7000e-004	0.0557	0.0147	3.4000e-004	0.0151	0.0000	43.9812	43.9812	1.0000e-003	0.0000	44.0063
Total	**0.0228**	**0.0138**	**0.1611**	**4.9000e-004**	**0.0554**	**3.7000e-004**	**0.0557**	**0.0147**	**3.4000e-004**	**0.0151**	**0.0000**	**43.9812**	**43.9812**	**1.0000e-003**	**0.0000**	**44.0063**

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	1.0101					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	**1.0338**	**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**

3.7 Architectural Coating - 2024

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	0.0216	0.0126	0.1503	4.7000e-004	0.0558	3.6000e-004	0.0562	0.0148	3.3000e-004	0.0152	0.0000	42.5967	42.5967	9.1000e-004	0.0000	42.6195
Total	**0.0216**	**0.0126**	**0.1503**	**4.7000e-004**	**0.0558**	**3.6000e-004**	**0.0562**	**0.0148**	**3.3000e-004**	**0.0152**	**0.0000**	**42.5967**	**42.5967**	**9.1000e-004**	**0.0000**	**42.6195**

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	1.0101					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	**1.0338**	**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**

3.7 Architectural Coating - 2024

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	0.0216	0.0126	0.1503	4.7000e-004	0.0558	3.6000e-004	0.0562	0.0148	3.3000e-004	0.0152	0.0000	42.5967	42.5967	9.1000e-004	0.0000	42.6195
Total	**0.0216**	**0.0126**	**0.1503**	**4.7000e-004**	**0.0558**	**3.6000e-004**	**0.0562**	**0.0148**	**3.3000e-004**	**0.0152**	**0.0000**	**42.5967**	**42.5967**	**9.1000e-004**	**0.0000**	**42.6195**

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	1.0063					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0223	0.1495	0.2361	3.9000e-004		6.7200e-003	6.7200e-003		6.7200e-003	6.7200e-003	0.0000	33.3200	33.3200	1.8200e-003	0.0000	33.3654
Total	**1.0286**	**0.1495**	**0.2361**	**3.9000e-004**		**6.7200e-003**	**6.7200e-003**		**6.7200e-003**	**6.7200e-003**	**0.0000**	**33.3200**	**33.3200**	**1.8200e-003**	**0.0000**	**33.3654**

3.7 Architectural Coating - 2025

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	0.0204	0.0114	0.1387	4.5000e-004	0.0556	3.5000e-004	0.0559	0.0148	3.3000e-004	0.0151	0.0000	40.7352	40.7352	8.2000e-004	0.0000	40.7558
Total	**0.0204**	**0.0114**	**0.1387**	**4.5000e-004**	**0.0556**	**3.5000e-004**	**0.0559**	**0.0148**	**3.3000e-004**	**0.0151**	**0.0000**	**40.7352**	**40.7352**	**8.2000e-004**	**0.0000**	**40.7558**

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	1.0063					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0223	0.1495	0.2361	3.9000e-004		6.7200e-003	6.7200e-003		6.7200e-003	6.7200e-003	0.0000	33.3199	33.3199	1.8200e-003	0.0000	33.3654
Total	**1.0286**	**0.1495**	**0.2361**	**3.9000e-004**		**6.7200e-003**	**6.7200e-003**		**6.7200e-003**	**6.7200e-003**	**0.0000**	**33.3199**	**33.3199**	**1.8200e-003**	**0.0000**	**33.3654**

3.7 Architectural Coating - 2025

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	0.0204	0.0114	0.1387	4.5000e-004	0.0556	3.5000e-004	0.0559	0.0148	3.3000e-004	0.0151	0.0000	40.7352	40.7352	8.2000e-004	0.0000	40.7558
Total	**0.0204**	**0.0114**	**0.1387**	**4.5000e-004**	**0.0556**	**3.5000e-004**	**0.0559**	**0.0148**	**3.3000e-004**	**0.0151**	**0.0000**	**40.7352**	**40.7352**	**8.2000e-004**	**0.0000**	**40.7558**

3.7 Architectural Coating - 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					
Archit. Coating	1.0063					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0223	0.1495	0.2361	3.9000e-004		6.7200e-003	6.7200e-003		6.7200e-003	6.7200e-003	0.0000	33.3200	33.3200	1.8200e-003	0.0000	33.3654
Total	**1.0286**	**0.1495**	**0.2361**	**3.9000e-004**		**6.7200e-003**	**6.7200e-003**		**6.7200e-003**	**6.7200e-003**	**0.0000**	**33.3200**	**33.3200**	**1.8200e-003**	**0.0000**	**33.3654**

3.7 Architectural Coating - 2026

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	0.0193	0.0104	0.1291	4.3000e-004	0.0556	3.4000e-004	0.0559	0.0148	3.2000e-004	0.0151	0.0000	39.2217	39.2217	7.5000e-004	0.0000	39.2405
Total	**0.0193**	**0.0104**	**0.1291**	**4.3000e-004**	**0.0556**	**3.4000e-004**	**0.0559**	**0.0148**	**3.2000e-004**	**0.0151**	**0.0000**	**39.2217**	**39.2217**	**7.5000e-004**	**0.0000**	**39.2405**

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	1.0063					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0223	0.1495	0.2361	3.9000e-004		6.7200e-003	6.7200e-003		6.7200e-003	6.7200e-003	0.0000	33.3199	33.3199	1.8200e-003	0.0000	33.3654
Total	**1.0286**	**0.1495**	**0.2361**	**3.9000e-004**		**6.7200e-003**	**6.7200e-003**		**6.7200e-003**	**6.7200e-003**	**0.0000**	**33.3199**	**33.3199**	**1.8200e-003**	**0.0000**	**33.3654**

3.7 Architectural Coating - 2026

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	0.0193	0.0104	0.1291	4.3000e-004	0.0556	3.4000e-004	0.0559	0.0148	3.2000e-004	0.0151	0.0000	39.2217	39.2217	7.5000e-004	0.0000	39.2405
Total	**0.0193**	**0.0104**	**0.1291**	**4.3000e-004**	**0.0556**	**3.4000e-004**	**0.0559**	**0.0148**	**3.2000e-004**	**0.0151**	**0.0000**	**39.2217**	**39.2217**	**7.5000e-004**	**0.0000**	**39.2405**

3.7 Architectural Coating - 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					
Archit. Coating	0.3046					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.7500e-003	0.0453	0.0715	1.2000e-004		2.0300e-003	2.0300e-003		2.0300e-003	2.0300e-003	0.0000	10.0854	10.0854	5.5000e-004	0.0000	10.0991
Total	**0.3113**	**0.0453**	**0.0715**	**1.2000e-004**		**2.0300e-003**	**2.0300e-003**		**2.0300e-003**	**2.0300e-003**	**0.0000**	**10.0854**	**10.0854**	**5.5000e-004**	**0.0000**	**10.0991**

3.7 Architectural Coating - 2027

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	5.5300e-003	2.8800e-003	0.0365	1.3000e-004	0.0168	1.0000e-004	0.0169	4.4800e-003	9.0000e-005	4.5700e-003	0.0000	11.4616	11.4616	2.1000e-004	0.0000	11.4668
Total	**5.5300e-003**	**2.8800e-003**	**0.0365**	**1.3000e-004**	**0.0168**	**1.0000e-004**	**0.0169**	**4.4800e-003**	**9.0000e-005**	**4.5700e-003**	**0.0000**	**11.4616**	**11.4616**	**2.1000e-004**	**0.0000**	**11.4668**

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	0.3046					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.7500e-003	0.0453	0.0715	1.2000e-004		2.0300e-003	2.0300e-003		2.0300e-003	2.0300e-003	0.0000	10.0853	10.0853	5.5000e-004	0.0000	10.0991
Total	**0.3113**	**0.0453**	**0.0715**	**1.2000e-004**		**2.0300e-003**	**2.0300e-003**		**2.0300e-003**	**2.0300e-003**	**0.0000**	**10.0853**	**10.0853**	**5.5000e-004**	**0.0000**	**10.0991**

3.7 Architectural Coating - 2027

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	5.5300e-003	2.8800e-003	0.0365	1.3000e-004	0.0168	1.0000e-004	0.0169	4.4800e-003	9.0000e-005	4.5700e-003	0.0000	11.4616	11.4616	2.1000e-004	0.0000	11.4668
Total	**5.5300e-003**	**2.8800e-003**	**0.0365**	**1.3000e-004**	**0.0168**	**1.0000e-004**	**0.0169**	**4.4800e-003**	**9.0000e-005**	**4.5700e-003**	**0.0000**	**11.4616**	**11.4616**	**2.1000e-004**	**0.0000**	**11.4668**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Improve Pedestrian Network

Provide Traffic Calming Measures

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.7794	3.4475	8.7396	0.0339	3.5420	0.0247	3.5667	0.9487	0.0230	0.9717	0.0000	3,131.8006	3,131.8006	0.1276	0.0000	3,134.9909
Unmitigated	0.7937	3.5272	9.0959	0.0356	3.7284	0.0258	3.7543	0.9987	0.0240	1.0227	0.0000	3,285.0318	3,285.0318	0.1327	0.0000	3,288.3500

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
Elementary School	94.00	0.00	0.00	141,191	134,132
Other Asphalt Surfaces	0.00	0.00	0.00		
Single Family Housing	3,762.42	4,340.58	3775.56	9,871,543	9,377,966
Total	3,856.42	4,340.58	3,775.56	10,012,734	9,512,097

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	10.00	5.00	6.50	33.00	48.00	19.00	66	28	6
Elementary School	10.00	5.00	6.50	65.00	30.00	5.00	63	25	12
Other Asphalt Surfaces	10.00	5.00	6.50	0.00	0.00	0.00	0	0	0
Single Family Housing	10.00	5.00	6.50	46.50	12.50	41.00	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.574521	0.035271	0.210873	0.107638	0.013399	0.004562	0.018333	0.025065	0.001898	0.001611	0.005555	0.000614	0.000658
Elementary School	0.574521	0.035271	0.210873	0.107638	0.013399	0.004562	0.018333	0.025065	0.001898	0.001611	0.005555	0.000614	0.000658
Other Asphalt Surfaces	0.574521	0.035271	0.210873	0.107638	0.013399	0.004562	0.018333	0.025065	0.001898	0.001611	0.005555	0.000614	0.000658
Single Family Housing	0.574521	0.035271	0.210873	0.107638	0.013399	0.004562	0.018333	0.025065	0.001898	0.001611	0.005555	0.000614	0.000658

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	494.3852	494.3852	0.0481	9.9400e-003	498.5491
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	494.3852	494.3852	0.0481	9.9400e-003	498.5491
NaturalGas Mitigated	0.0330	0.2827	0.1240	1.8000e-003		0.0228	0.0228		0.0228	0.0228	0.0000	326.8004	326.8004	6.2600e-003	5.9900e-003	328.7424
NaturalGas Unmitigated	0.0330	0.2827	0.1240	1.8000e-003		0.0228	0.0228		0.0228	0.0228	0.0000	326.8004	326.8004	6.2600e-003	5.9900e-003	328.7424

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Elementary School	181921	9.8000e-004	8.9200e-003	7.4900e-003	5.0000e-005		6.8000e-004	6.8000e-004		6.8000e-004	6.8000e-004	0.0000	9.7080	9.7080	1.9000e-004	1.8000e-004	9.7657
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	5.94209e+006	0.0320	0.2738	0.1165	1.7500e-003		0.0221	0.0221		0.0221	0.0221	0.0000	317.0924	317.0924	6.0800e-003	5.8100e-003	318.9767
Total		**0.0330**	**0.2827**	**0.1240**	**1.8000e-003**		**0.0228**	**0.0228**		**0.0228**	**0.0228**	**0.0000**	**326.8004**	**326.8004**	**6.2700e-003**	**5.9900e-003**	**328.7424**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
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	181921	9.8000e-004	8.9200e-003	7.4900e-003	5.0000e-005		6.8000e-004	6.8000e-004		6.8000e-004	6.8000e-004	0.0000	9.7080	9.7080	1.9000e-004	1.8000e-004	9.7657
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	5.94209e+006	0.0320	0.2738	0.1165	1.7500e-003		0.0221	0.0221		0.0221	0.0221	0.0000	317.0924	317.0924	6.0800e-003	5.8100e-003	318.9767
Total		**0.0330**	**0.2827**	**0.1240**	**1.8000e-003**		**0.0228**	**0.0228**		**0.0228**	**0.0228**	**0.0000**	**326.8004**	**326.8004**	**6.2700e-003**	**5.9900e-003**	**328.7424**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
Elementary School	112196	15.1844	1.4800e-003	3.1000e-004	15.3123
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	3.54076e+006	479.2008	0.0466	9.6400e-003	483.2369
Total		**494.3852**	**0.0481**	**9.9500e-003**	**498.5491**

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
Elementary School	112196	15.1844	1.4800e-003	3.1000e-004	15.3123
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	3.54076e+006	479.2008	0.0466	9.6400e-003	483.2369
Total		**494.3852**	**0.0481**	**9.9500e-003**	**498.5491**

6.0 Area Detail

6.1 Mitigation Measures Area

Use only Natural Gas Hearths

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	3.7846	0.0520	4.5154	2.4000e-004		0.0251	0.0251		0.0251	0.0251	0.0000	7.3837	7.3837	7.0800e-003	0.0000	7.5607
Unmitigated	3.7846	0.0520	4.5154	2.4000e-004		0.0251	0.0251		0.0251	0.0251	0.0000	7.3837	7.3837	7.0800e-003	0.0000	7.5607

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.5012					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	3.1477					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.1357	0.0520	4.5154	2.4000e-004		0.0251	0.0251		0.0251	0.0251	0.0000	7.3837	7.3837	7.0800e-003	0.0000	7.5607
Total	**3.7846**	**0.0520**	**4.5154**	**2.4000e-004**		**0.0251**	**0.0251**		**0.0251**	**0.0251**	**0.0000**	**7.3837**	**7.3837**	**7.0800e-003**	**0.0000**	**7.5607**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.5012					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	3.1477					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.1357	0.0520	4.5154	2.4000e-004		0.0251	0.0251		0.0251	0.0251	0.0000	7.3837	7.3837	7.0800e-003	0.0000	7.5607
Total	**3.7846**	**0.0520**	**4.5154**	**2.4000e-004**		**0.0251**	**0.0251**		**0.0251**	**0.0251**	**0.0000**	**7.3837**	**7.3837**	**7.0800e-003**	**0.0000**	**7.5607**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	42.6765	0.0385	0.0230	50.4873
Unmitigated	42.6765	0.0385	0.0230	50.4873

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 7.86378	3.7250	3.6000e-004	7.0000e-005	3.7563
Elementary School	0.484848 / 1.24675	1.0891	6.8000e-004	3.9000e-004	1.2227
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	28.5375 / 17.991	37.8625	0.0375	0.0225	45.5083
Total		**42.6765**	**0.0385**	**0.0230**	**50.4873**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 7.86378	3.7250	3.6000e-004	7.0000e-005	3.7563
Elementary School	0.484848 / 1.24675	1.0891	6.8000e-004	3.9000e-004	1.2227
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	28.5375 / 17.991	37.8625	0.0375	0.0225	45.5083
Total		**42.6765**	**0.0385**	**0.0230**	**50.4873**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	92.9516	5.4933	0.0000	230.2836
Unmitigated	92.9516	5.4933	0.0000	230.2836

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0.57	0.1157	6.8400e-003	0.0000	0.2867
Elementary School	36.5	7.4092	0.4379	0.0000	18.3559
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	420.84	85.4267	5.0486	0.0000	211.6411
Total		**92.9516**	**5.4933**	**0.0000**	**230.2836**

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0.57	0.1157	6.8400e-003	0.0000	0.2867
Elementary School	36.5	7.4092	0.4379	0.0000	18.3559
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	420.84	85.4267	5.0486	0.0000	211.6411
Total		**92.9516**	**5.4933**	**0.0000**	**230.2836**

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Simmerhorn Ranch

Sacramento Metropolitan AQMD Air District, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Elementary School	200.00	Student	10.10	16,720.67	0
Other Asphalt Surfaces	9.03	1000sqft	0.21	9,025.00	0
City Park	6.60	Acre	6.60	287,496.00	0
Single Family Housing	438.00	Dwelling Unit	91.50	788,400.00	1169

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	3.5	**Precipitation Freq (Days)**	58
Climate Zone	6			**Operational Year**	2028
Utility Company	Sacramento Municipal Utility District				
CO2 Intensity (lb/MWhr)	298.37	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - CO2 intensity factor updated to reflect SMUD's projected RPS standards.

Land Use - Lot acreages updated per the preliminary site plans from September 2019 and information provided by the project applicant.

Construction Phase - Total days updated per the tentative schedule provided by the project applicant on the submitted air quality questionnaire.

Demolition -

Grading - Total acres graded updated per applicant-provided information.

Vehicle Trips - Updated weekday trip rates updated per the GHD Traffic Impact Study prepared for the proposed project. City park trip generation rate is set to zero because the applicant intends that all park visitors will access the site by foot.

Woodstoves - Applicant indicated that the proposed residents would have a natural gas fireplace.

Energy Use - Title 24 electricity and natural gas energy intensities are adjusted to comply with the 2019 CBSC.

Mobile Land Use Mitigation -

Area Mitigation -

Simmerhorn Ranch - Sacramento Metropolitan AQMD Air District, Summer

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	200.00	10.00
tblConstructionPhase	NumDays	120.00	20.00
tblConstructionPhase	NumDays	310.00	40.00
tblConstructionPhase	NumDays	220.00	200.00
tblConstructionPhase	NumDays	3,100.00	1,300.00
tblConstructionPhase	NumDays	220.00	1,300.00
tblEnergyUse	T24E	2.05	1.44
tblEnergyUse	T24E	678.97	319.12
tblEnergyUse	T24NG	14.60	10.22
tblEnergyUse	T24NG	23,147.69	10,879.41
tblFireplaces	NumberGas	0.00	438.00
tblFireplaces	NumberNoFireplace	438.00	0.00
tblGrading	AcresOfGrading	100.00	119.00
tblGrading	MaterialImported	0.00	2,300.00
tblLandUse	LandUseSquareFeet	9,030.00	9,025.00
tblLandUse	LotAcreage	0.38	10.10
tblLandUse	LotAcreage	142.21	91.50
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblProjectCharacteristics	CO2IntensityFactor	590.31	298.37
tblTripsAndVMT	WorkerTripNumber	28.00	18.00
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	1.29	0.47
tblVehicleTrips	WD_TR	9.52	8.59

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2019	5.8222	62.7069	37.5475	0.0758	4.5587	3.0322	7.5909	0.7446	2.8089	3.5534	0.0000	7,600.8774	7,600.8774	1.8137	0.0000	7,646.2205
2021	4.3113	47.8891	31.8100	0.0680	18.2032	2.0454	20.2486	9.9670	1.8818	11.8488	0.0000	6,636.5102	6,636.5102	1.9737	0.0000	6,685.8519
2022	11.2007	27.0225	30.0526	0.0796	3.2293	0.9317	4.1610	0.8698	0.8815	1.7513	0.0000	7,940.2119	7,940.2119	0.8299	0.0000	7,960.9593
2023	10.9106	24.2022	28.9088	0.0782	3.2292	0.7986	4.0278	0.8698	0.7555	1.6253	0.0000	7,797.6590	7,797.6590	0.8039	0.0000	7,817.7557
2024	10.7140	22.9728	28.0599	0.0771	3.2291	0.7014	3.9305	0.8698	0.6632	1.5330	0.0000	7,687.5115	7,687.5115	0.7923	0.0000	7,707.3190
2025	10.5268	21.7356	27.2832	0.0760	3.2291	0.6054	3.8345	0.8698	0.5724	1.4422	0.0000	7,579.0933	7,579.0933	0.7822	0.0000	7,598.6478
2026	10.4618	21.5597	26.6866	0.0750	3.2290	0.6044	3.8334	0.8698	0.5714	1.4412	0.0000	7,481.0483	7,481.0483	0.7767	0.0000	7,500.4665
2027	10.3990	21.3988	26.1510	0.0741	3.2290	0.6032	3.8322	0.8697	0.5703	1.4400	0.0000	7,392.7795	7,392.7795	0.7717	0.0000	7,412.0725
Maximum	**11.2007**	**62.7069**	**37.5475**	**0.0796**	**18.2032**	**3.0322**	**20.2486**	**9.9670**	**2.8089**	**11.8488**	**0.0000**	**7,940.2119**	**7,940.2119**	**1.9737**	**0.0000**	**7,960.9593**

2.1 Overall Construction (Maximum Daily Emission)

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2019	5.8222	62.7069	37.5475	0.0758	4.5587	3.0322	7.5909	0.7446	2.8089	3.5534	0.0000	7,600.8774	7,600.8774	1.8137	0.0000	7,646.2205
2021	4.3113	47.8891	31.8100	0.0680	18.2032	2.0454	20.2486	9.9670	1.8818	11.8488	0.0000	6,636.5102	6,636.5102	1.9737	0.0000	6,685.8519
2022	11.2007	27.0225	30.0526	0.0796	3.2293	0.9317	4.1610	0.8698	0.8815	1.7513	0.0000	7,940.2119	7,940.2119	0.8299	0.0000	7,960.9593
2023	10.9106	24.2022	28.9088	0.0782	3.2292	0.7986	4.0278	0.8698	0.7555	1.6253	0.0000	7,797.6590	7,797.6590	0.8039	0.0000	7,817.7557
2024	10.7140	22.9728	28.0599	0.0771	3.2291	0.7014	3.9305	0.8698	0.6632	1.5330	0.0000	7,687.5115	7,687.5115	0.7923	0.0000	7,707.3190
2025	10.5268	21.7356	27.2832	0.0760	3.2291	0.6054	3.8345	0.8698	0.5724	1.4422	0.0000	7,579.0933	7,579.0933	0.7822	0.0000	7,598.6478
2026	10.4618	21.5597	26.6866	0.0750	3.2290	0.6044	3.8334	0.8698	0.5714	1.4412	0.0000	7,481.0483	7,481.0483	0.7767	0.0000	7,500.4665
2027	10.3990	21.3988	26.1510	0.0741	3.2290	0.6032	3.8322	0.8697	0.5703	1.4400	0.0000	7,392.7795	7,392.7795	0.7717	0.0000	7,412.0725
Maximum	**11.2007**	**62.7069**	**37.5475**	**0.0796**	**18.2032**	**3.0322**	**20.2486**	**9.9670**	**2.8089**	**11.8488**	**0.0000**	**7,940.2119**	**7,940.2119**	**1.9737**	**0.0000**	**7,960.9593**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	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**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	21.0798	0.4160	36.1233	1.9100e-003		0.2004	0.2004		0.2004	0.2004	0.0000	65.1131	65.1131	0.0624	0.0000	66.6739
Energy	0.1809	1.5492	0.6795	9.8700e-003		0.1250	0.1250		0.1250	0.1250		1,973.8948	1,973.8948	0.0378	0.0362	1,985.6246
Mobile	6.3250	21.2754	64.0107	0.2391	24.0112	0.1604	24.1716	6.4131	0.1492	6.5622		24,290.2743	24,290.2743	0.9269		24,313.4473
Total	**27.5858**	**23.2406**	**100.8134**	**0.2508**	**24.0112**	**0.4858**	**24.4970**	**6.4131**	**0.4746**	**6.8876**	**0.0000**	**26,329.2822**	**26,329.2822**	**1.0272**	**0.0362**	**26,365.7458**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	21.0798	0.4160	36.1233	1.9100e-003		0.2004	0.2004		0.2004	0.2004	0.0000	65.1131	65.1131	0.0624	0.0000	66.6739
Energy	0.1809	1.5492	0.6795	9.8700e-003		0.1250	0.1250		0.1250	0.1250		1,973.8948	1,973.8948	0.0378	0.0362	1,985.6246
Mobile	6.2323	20.8176	61.3227	0.2279	22.8107	0.1536	22.9642	6.0924	0.1428	6.2352		23,154.3867	23,154.3867	0.8901		23,176.6400
Total	**27.4931**	**22.7828**	**98.1255**	**0.2396**	**22.8107**	**0.4790**	**23.2896**	**6.0924**	**0.4682**	**6.5606**	**0.0000**	**25,193.3946**	**25,193.3946**	**0.9904**	**0.0362**	**25,228.9385**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.34**	**1.97**	**2.67**	**4.46**	**5.00**	**1.41**	**4.93**	**5.00**	**1.35**	**4.75**	**0.00**	**4.31**	**4.31**	**3.58**	**0.00**	**4.31**

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	12/1/2019	12/13/2019	5	10	
2	Site Prep	Site Preparation	4/15/2021	5/12/2021	5	20	
3	Grading	Grading	5/13/2021	7/7/2021	5	40	
4	Paving	Paving	7/8/2021	4/13/2022	5	200	
5	Building Construction	Building Construction	4/14/2022	4/7/2027	5	1300	
6	Architectural Coating	Architectural Coating	4/28/2022	4/21/2027	5	1300	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 119

Acres of Paving: 0.21

Residential Indoor: 1,596,510; Residential Outdoor: 532,170; Non-Residential Indoor: 25,081; Non-Residential Outdoor: 8,360; Striped Parking Area: 542 (Architectural Coating – sqft)

OffRoad Equipment

Simmerhorn Ranch - Sacramento Metropolitan AQMD Air District, Summer

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	3	8.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Site Prep	Rubber Tired Dozers	3	8.00	247	0.40
Site Prep	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	11	18.00	0.00	182.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Site Prep	7	18.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	227.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	289.00	98.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	58.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.1050	0.0000	4.1050	0.6216	0.0000	0.6216			0.0000			0.0000
Off-Road	5.5792	57.2069	35.5548	0.0598		3.0078	3.0078		2.7855	2.7855		5,892.4953	5,892.4953	1.7185		5,935.4584
Total	**5.5792**	**57.2069**	**35.5548**	**0.0598**	**4.1050**	**3.0078**	**7.1128**	**0.6216**	**2.7855**	**3.4071**		**5,892.4953**	**5,892.4953**	**1.7185**		**5,935.4584**

3.2 Demolition - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1586	5.4537	1.3428	0.0146	0.3167	0.0235	0.3402	0.0867	0.0225	0.1091		1,561.0266	1,561.0266	0.0906		1,563.2907
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0843	0.0463	0.6499	1.4800e-003	0.1369	9.8000e-004	0.1379	0.0363	9.0000e-004	0.0372		147.3555	147.3555	4.6400e-003		147.4714
Total	**0.2430**	**5.5000**	**1.9927**	**0.0161**	**0.4536**	**0.0244**	**0.4781**	**0.1230**	**0.0234**	**0.1464**		**1,708.3821**	**1,708.3821**	**0.0952**		**1,710.7621**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.1050	0.0000	4.1050	0.6216	0.0000	0.6216			0.0000			0.0000
Off-Road	5.5792	57.2069	35.5548	0.0598		3.0078	3.0078		2.7855	2.7855	0.0000	5,892.4953	5,892.4953	1.7185		5,935.4584
Total	**5.5792**	**57.2069**	**35.5548**	**0.0598**	**4.1050**	**3.0078**	**7.1128**	**0.6216**	**2.7855**	**3.4071**	**0.0000**	**5,892.4953**	**5,892.4953**	**1.7185**		**5,935.4584**

3.2 Demolition - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1586	5.4537	1.3428	0.0146	0.3167	0.0235	0.3402	0.0867	0.0225	0.1091		1,561.0266	1,561.0266	0.0906		1,563.2907
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0843	0.0463	0.6499	1.4800e-003	0.1369	9.8000e-004	0.1379	0.0363	9.0000e-004	0.0372		147.3555	147.3555	4.6400e-003		147.4714
Total	**0.2430**	**5.5000**	**1.9927**	**0.0161**	**0.4536**	**0.0244**	**0.4781**	**0.1230**	**0.0234**	**0.1464**		**1,708.3821**	**1,708.3821**	**0.0952**		**1,710.7621**

3.3 Site Prep - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	3.8882	40.4971	21.1543	0.0380		2.0445	2.0445		1.8809	1.8809		3,685.6569	3,685.6569	1.1920		3,715.4573
Total	**3.8882**	**40.4971**	**21.1543**	**0.0380**	**18.0663**	**2.0445**	**20.1107**	**9.9307**	**1.8809**	**11.8116**		**3,685.6569**	**3,685.6569**	**1.1920**		**3,715.4573**

3.3 Site Prep - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0721	0.0369	0.5385	1.3900e-003	0.1369	9.2000e-004	0.1379	0.0363	8.5000e-004	0.0372		137.9662	137.9662	3.6700e-003		138.0580
Total	**0.0721**	**0.0369**	**0.5385**	**1.3900e-003**	**0.1369**	**9.2000e-004**	**0.1379**	**0.0363**	**8.5000e-004**	**0.0372**		**137.9662**	**137.9662**	**3.6700e-003**		**138.0580**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	3.8882	40.4971	21.1543	0.0380		2.0445	2.0445		1.8809	1.8809	0.0000	3,685.6569	3,685.6569	1.1920		3,715.4573
Total	**3.8882**	**40.4971**	**21.1543**	**0.0380**	**18.0663**	**2.0445**	**20.1107**	**9.9307**	**1.8809**	**11.8116**	**0.0000**	**3,685.6569**	**3,685.6569**	**1.1920**		**3,715.4573**

3.3 Site Prep - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0721	0.0369	0.5385	1.3900e-003	0.1369	9.2000e-004	0.1379	0.0363	8.5000e-004	0.0372		137.9662	137.9662	3.6700e-003		138.0580
Total	**0.0721**	**0.0369**	**0.5385**	**1.3900e-003**	**0.1369**	**9.2000e-004**	**0.1379**	**0.0363**	**8.5000e-004**	**0.0372**		**137.9662**	**137.9662**	**3.6700e-003**		**138.0580**

3.4 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					9.1771	0.0000	9.1771	3.6509	0.0000	3.6509			0.0000			0.0000
Off-Road	4.1912	46.3998	30.8785	0.0620		1.9853	1.9853		1.8265	1.8265		6,007.0434	6,007.0434	1.9428		6,055.6134
Total	**4.1912**	**46.3998**	**30.8785**	**0.0620**	**9.1771**	**1.9853**	**11.1624**	**3.6509**	**1.8265**	**5.4774**		**6,007.0434**	**6,007.0434**	**1.9428**		**6,055.6134**

3.4 Grading - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0399	1.4482	0.3332	4.4400e-003	0.0987	5.0600e-003	0.1038	0.0270	4.8400e-003	0.0319		476.1710	476.1710	0.0268		476.8407
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0802	0.0410	0.5983	1.5400e-003	0.1521	1.0300e-003	0.1532	0.0404	9.5000e-004	0.0413		153.2958	153.2958	4.0800e-003		153.3978
Total	**0.1201**	**1.4893**	**0.9315**	**5.9800e-003**	**0.2508**	**6.0900e-003**	**0.2569**	**0.0674**	**5.7900e-003**	**0.0732**		**629.4668**	**629.4668**	**0.0309**		**630.2385**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					9.1771	0.0000	9.1771	3.6509	0.0000	3.6509			0.0000			0.0000
Off-Road	4.1912	46.3998	30.8785	0.0620		1.9853	1.9853		1.8265	1.8265	0.0000	6,007.0434	6,007.0434	1.9428		6,055.6134
Total	**4.1912**	**46.3998**	**30.8785**	**0.0620**	**9.1771**	**1.9853**	**11.1624**	**3.6509**	**1.8265**	**5.4774**	**0.0000**	**6,007.0434**	**6,007.0434**	**1.9428**		**6,055.6134**

3.4 Grading - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0399	1.4482	0.3332	4.4400e-003	0.0987	5.0600e-003	0.1038	0.0270	4.8400e-003	0.0319		476.1710	476.1710	0.0268		476.8407
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0802	0.0410	0.5983	1.5400e-003	0.1521	1.0300e-003	0.1532	0.0404	9.5000e-004	0.0413		153.2958	153.2958	4.0800e-003		153.3978
Total	**0.1201**	**1.4893**	**0.9315**	**5.9800e-003**	**0.2508**	**6.0900e-003**	**0.2569**	**0.0674**	**5.7900e-003**	**0.0732**		**629.4668**	**629.4668**	**0.0309**		**630.2385**

3.5 Paving - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235		2,207.2109	2,207.2109	0.7139		2,225.0573
Paving	2.7500e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.2583**	**12.9191**	**14.6532**	**0.0228**		**0.6777**	**0.6777**		**0.6235**	**0.6235**		**2,207.2109**	**2,207.2109**	**0.7139**		**2,225.0573**

3.5 Paving - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0601	0.0308	0.4487	1.1500e-003	0.1141	7.7000e-004	0.1149	0.0303	7.1000e-004	0.0310		114.9719	114.9719	3.0600e-003		115.0483
Total	**0.0601**	**0.0308**	**0.4487**	**1.1500e-003**	**0.1141**	**7.7000e-004**	**0.1149**	**0.0303**	**7.1000e-004**	**0.0310**		**114.9719**	**114.9719**	**3.0600e-003**		**115.0483**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235	0.0000	2,207.2109	2,207.2109	0.7139		2,225.0573
Paving	2.7500e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.2583**	**12.9191**	**14.6532**	**0.0228**		**0.6777**	**0.6777**		**0.6235**	**0.6235**	**0.0000**	**2,207.2109**	**2,207.2109**	**0.7139**		**2,225.0573**

3.5 Paving - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0601	0.0308	0.4487	1.1500e-003	0.1141	7.7000e-004	0.1149	0.0303	7.1000e-004	0.0310		114.9719	114.9719	3.0600e-003		115.0483
Total	**0.0601**	**0.0308**	**0.4487**	**1.1500e-003**	**0.1141**	**7.7000e-004**	**0.1149**	**0.0303**	**7.1000e-004**	**0.0310**		**114.9719**	**114.9719**	**3.0600e-003**		**115.0483**

3.5 Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225		2,207.6603	2,207.6603	0.7140		2,225.5104
Paving	2.7500e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.1056**	**11.1249**	**14.5805**	**0.0228**		**0.5679**	**0.5679**		**0.5225**	**0.5225**		**2,207.6603**	**2,207.6603**	**0.7140**		**2,225.5104**

3.5 Paving - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0561	0.0277	0.4133	1.1100e-003	0.1141	7.5000e-004	0.1149	0.0303	6.9000e-004	0.0310		110.8487	110.8487	2.7500e-003		110.9174
Total	**0.0561**	**0.0277**	**0.4133**	**1.1100e-003**	**0.1141**	**7.5000e-004**	**0.1149**	**0.0303**	**6.9000e-004**	**0.0310**		**110.8487**	**110.8487**	**2.7500e-003**		**110.9174**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225	0.0000	2,207.6603	2,207.6603	0.7140		2,225.5104
Paving	2.7500e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.1056**	**11.1249**	**14.5805**	**0.0228**		**0.5679**	**0.5679**		**0.5225**	**0.5225**	**0.0000**	**2,207.6603**	**2,207.6603**	**0.7140**		**2,225.5104**

3.5 Paving - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0561	0.0277	0.4133	1.1100e-003	0.1141	7.5000e-004	0.1149	0.0303	6.9000e-004	0.0310		110.8487	110.8487	2.7500e-003		110.9174
Total	**0.0561**	**0.0277**	**0.4133**	**1.1100e-003**	**0.1141**	**7.5000e-004**	**0.1149**	**0.0303**	**6.9000e-004**	**0.0310**		**110.8487**	**110.8487**	**2.7500e-003**		**110.9174**

3.6 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322
Total	**1.7062**	**15.6156**	**16.3634**	**0.0269**		**0.8090**	**0.8090**		**0.7612**	**0.7612**		**2,554.3336**	**2,554.3336**	**0.6120**		**2,569.6322**

3.6 Building Construction - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2810	9.3581	2.3158	0.0240	0.5896	0.0237	0.6133	0.1697	0.0226	0.1923		2,540.1307	2,540.1307	0.1360		2,543.5310
Worker	1.0812	0.5333	7.9619	0.0215	2.1984	0.0145	2.2129	0.5832	0.0133	0.5965		2,135.6847	2,135.6847	0.0530		2,137.0092
Total	**1.3622**	**9.8913**	**10.2777**	**0.0454**	**2.7880**	**0.0381**	**2.8261**	**0.7528**	**0.0359**	**0.7888**		**4,675.8154**	**4,675.8154**	**0.1890**		**4,680.5402**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322
Total	**1.7062**	**15.6156**	**16.3634**	**0.0269**		**0.8090**	**0.8090**		**0.7612**	**0.7612**	**0.0000**	**2,554.3336**	**2,554.3336**	**0.6120**		**2,569.6322**

3.6 Building Construction - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2810	9.3581	2.3158	0.0240	0.5896	0.0237	0.6133	0.1697	0.0226	0.1923		2,540.1307	2,540.1307	0.1360		2,543.5310
Worker	1.0812	0.5333	7.9619	0.0215	2.1984	0.0145	2.2129	0.5832	0.0133	0.5965		2,135.6847	2,135.6847	0.0530		2,137.0092
Total	**1.3622**	**9.8913**	**10.2777**	**0.0454**	**2.7880**	**0.0381**	**2.8261**	**0.7528**	**0.0359**	**0.7888**		**4,675.8154**	**4,675.8154**	**0.1890**		**4,680.5402**

3.6 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061
Total	**1.5728**	**14.3849**	**16.2440**	**0.0269**		**0.6997**	**0.6997**		**0.6584**	**0.6584**		**2,555.2099**	**2,555.2099**	**0.6079**		**2,570.4061**

3.6 Building Construction - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2221	7.9379	2.0543	0.0235	0.5896	0.0112	0.6007	0.1696	0.0107	0.1803		2,493.1085	2,493.1085	0.1222		2,496.1625
Worker	1.0105	0.4800	7.3286	0.0206	2.1984	0.0141	2.2125	0.5832	0.0130	0.5961		2,055.3918	2,055.3918	0.0475		2,056.5791
Total	**1.2326**	**8.4179**	**9.3829**	**0.0441**	**2.7880**	**0.0253**	**2.8132**	**0.7528**	**0.0237**	**0.7764**		**4,548.5003**	**4,548.5003**	**0.1697**		**4,552.7416**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061
Total	**1.5728**	**14.3849**	**16.2440**	**0.0269**		**0.6997**	**0.6997**		**0.6584**	**0.6584**	**0.0000**	**2,555.2099**	**2,555.2099**	**0.6079**		**2,570.4061**

3.6 Building Construction - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2221	7.9379	2.0543	0.0235	0.5896	0.0112	0.6007	0.1696	0.0107	0.1803		2,493.1085	2,493.1085	0.1222		2,496.1625
Worker	1.0105	0.4800	7.3286	0.0206	2.1984	0.0141	2.2125	0.5832	0.0130	0.5961		2,055.3918	2,055.3918	0.0475		2,056.5791
Total	**1.2326**	**8.4179**	**9.3829**	**0.0441**	**2.7880**	**0.0253**	**2.8132**	**0.7528**	**0.0237**	**0.7764**		**4,548.5003**	**4,548.5003**	**0.1697**		**4,552.7416**

3.6 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	lb/day										lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077
Total	**1.4716**	**13.4438**	**16.1668**	**0.0270**		**0.6133**	**0.6133**		**0.5769**	**0.5769**		**2,555.6989**	**2,555.6989**	**0.6044**		**2,570.8077**

3.6 Building Construction - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2116	7.7892	1.9202	0.0234	0.5895	0.0106	0.6001	0.1696	0.0101	0.1798		2,478.5327	2,478.5327	0.1207		2,481.5492
Worker	0.9489	0.4340	6.7984	0.0198	2.1984	0.0138	2.2122	0.5832	0.0127	0.5959		1,975.3873	1,975.3873	0.0428		1,976.4584
Total	**1.1605**	**8.2232**	**8.7186**	**0.0432**	**2.7879**	**0.0244**	**2.8123**	**0.7528**	**0.0228**	**0.7756**		**4,453.9200**	**4,453.9200**	**0.1635**		**4,458.0076**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077
Total	**1.4716**	**13.4438**	**16.1668**	**0.0270**		**0.6133**	**0.6133**		**0.5769**	**0.5769**	**0.0000**	**2,555.6989**	**2,555.6989**	**0.6044**		**2,570.8077**

3.6 Building Construction - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2116	7.7892	1.9202	0.0234	0.5895	0.0106	0.6001	0.1696	0.0101	0.1798		2,478.5327	2,478.5327	0.1207		2,481.5492
Worker	0.9489	0.4340	6.7984	0.0198	2.1984	0.0138	2.2122	0.5832	0.0127	0.5959		1,975.3873	1,975.3873	0.0428		1,976.4584
Total	**1.1605**	**8.2232**	**8.7186**	**0.0432**	**2.7879**	**0.0244**	**2.8123**	**0.7528**	**0.0228**	**0.7756**		**4,453.9200**	**4,453.9200**	**0.1635**		**4,458.0076**

3.6 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	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**		**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

3.6 Building Construction - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2029	7.6471	1.8181	0.0232	0.5895	0.0101	0.5995	0.1696	9.6400e-003	0.1792		2,464.4236	2,464.4236	0.1192		2,467.4046
Worker	0.8952	0.3942	6.3058	0.0190	2.1984	0.0135	2.2120	0.5832	0.0125	0.5956		1,896.1959	1,896.1959	0.0388		1,897.1670
Total	**1.0982**	**8.0413**	**8.1239**	**0.0422**	**2.7879**	**0.0236**	**2.8115**	**0.7528**	**0.0221**	**0.7749**		**4,360.6195**	**4,360.6195**	**0.1581**		**4,364.5715**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**	**0.0000**	**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

3.6 Building Construction - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2029	7.6471	1.8181	0.0232	0.5895	0.0101	0.5995	0.1696	9.6400e-003	0.1792		2,464.4236	2,464.4236	0.1192		2,467.4046
Worker	0.8952	0.3942	6.3058	0.0190	2.1984	0.0135	2.2120	0.5832	0.0125	0.5956		1,896.1959	1,896.1959	0.0388		1,897.1670
Total	**1.0982**	**8.0413**	**8.1239**	**0.0422**	**2.7879**	**0.0236**	**2.8115**	**0.7528**	**0.0221**	**0.7749**		**4,360.6195**	**4,360.6195**	**0.1581**		**4,364.5715**

3.6 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	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**		**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

3.6 Building Construction - 2026

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1953	7.5120	1.7354	0.0231	0.5894	9.5600e-003	0.5990	0.1696	9.1400e-003	0.1787		2,451.0075	2,451.0075	0.1180		2,453.9563
Worker	0.8474	0.3602	5.8778	0.0183	2.1984	0.0131	2.2116	0.5832	0.0121	0.5953		1,825.7124	1,825.7124	0.0354		1,826.5968
Total	**1.0427**	**7.8722**	**7.6131**	**0.0414**	**2.7878**	**0.0227**	**2.8105**	**0.7527**	**0.0212**	**0.7740**		**4,276.7199**	**4,276.7199**	**0.1533**		**4,280.5531**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**	**0.0000**	**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

3.6 Building Construction - 2026

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1953	7.5120	1.7354	0.0231	0.5894	9.5600e-003	0.5990	0.1696	9.1400e-003	0.1787		2,451.0075	2,451.0075	0.1180		2,453.9563
Worker	0.8474	0.3602	5.8778	0.0183	2.1984	0.0131	2.2116	0.5832	0.0121	0.5953		1,825.7124	1,825.7124	0.0354		1,826.5968
Total	**1.0427**	**7.8722**	**7.6131**	**0.0414**	**2.7878**	**0.0227**	**2.8105**	**0.7527**	**0.0212**	**0.7740**		**4,276.7199**	**4,276.7199**	**0.1533**		**4,280.5531**

3.6 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	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**		**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

3.6 Building Construction - 2027

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1886	7.3878	1.6635	0.0229	0.5894	9.1100e-003	0.5985	0.1696	8.7100e-003	0.1783		2,438.3961	2,438.3961	0.1167		2,441.3135
Worker	0.8008	0.3297	5.4916	0.0177	2.1984	0.0125	2.2109	0.5832	0.0115	0.5947		1,762.7010	1,762.7010	0.0323		1,763.5072
Total	**0.9893**	**7.7175**	**7.1551**	**0.0406**	**2.7878**	**0.0216**	**2.8094**	**0.7527**	**0.0202**	**0.7729**		**4,201.0971**	**4,201.0971**	**0.1490**		**4,204.8207**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**	**0.0000**	**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

3.6 Building Construction - 2027

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1886	7.3878	1.6635	0.0229	0.5894	9.1100e-003	0.5985	0.1696	8.7100e-003	0.1783		2,438.3961	2,438.3961	0.1167		2,441.3135
Worker	0.8008	0.3297	5.4916	0.0177	2.1984	0.0125	2.2109	0.5832	0.0115	0.5947		1,762.7010	1,762.7010	0.0323		1,763.5072
Total	**0.9893**	**7.7175**	**7.1551**	**0.0406**	**2.7878**	**0.0216**	**2.8094**	**0.7527**	**0.0202**	**0.7729**		**4,201.0971**	**4,201.0971**	**0.1490**		**4,204.8207**

3.7 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	7.7107					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
Total	**7.9153**	**1.4085**	**1.8136**	**2.9700e-003**		**0.0817**	**0.0817**		**0.0817**	**0.0817**		**281.4481**	**281.4481**	**0.0183**		**281.9062**

3.7 Architectural Coating - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2170	0.1070	1.5979	4.3000e-003	0.4412	2.9000e-003	0.4441	0.1170	2.6700e-003	0.1197		428.6149	428.6149	0.0106		428.8808
Total	**0.2170**	**0.1070**	**1.5979**	**4.3000e-003**	**0.4412**	**2.9000e-003**	**0.4441**	**0.1170**	**2.6700e-003**	**0.1197**		**428.6149**	**428.6149**	**0.0106**		**428.8808**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	7.7107					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062
Total	**7.9153**	**1.4085**	**1.8136**	**2.9700e-003**		**0.0817**	**0.0817**		**0.0817**	**0.0817**	**0.0000**	**281.4481**	**281.4481**	**0.0183**		**281.9062**

3.7 Architectural Coating - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2170	0.1070	1.5979	4.3000e-003	0.4412	2.9000e-003	0.4441	0.1170	2.6700e-003	0.1197		428.6149	428.6149	0.0106		428.8808
Total	**0.2170**	**0.1070**	**1.5979**	**4.3000e-003**	**0.4412**	**2.9000e-003**	**0.4441**	**0.1170**	**2.6700e-003**	**0.1197**		**428.6149**	**428.6149**	**0.0106**		**428.8808**

3.7 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	7.7107					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690
Total	**7.9024**	**1.3030**	**1.8111**	**2.9700e-003**		**0.0708**	**0.0708**		**0.0708**	**0.0708**		**281.4481**	**281.4481**	**0.0168**		**281.8690**

3.7 Architectural Coating - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2028	0.0963	1.4708	4.1400e-003	0.4412	2.8300e-003	0.4440	0.1170	2.6100e-003	0.1196		412.5008	412.5008	9.5300e-003		412.7391
Total	**0.2028**	**0.0963**	**1.4708**	**4.1400e-003**	**0.4412**	**2.8300e-003**	**0.4440**	**0.1170**	**2.6100e-003**	**0.1196**		**412.5008**	**412.5008**	**9.5300e-003**		**412.7391**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	7.7107					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690
Total	**7.9024**	**1.3030**	**1.8111**	**2.9700e-003**		**0.0708**	**0.0708**		**0.0708**	**0.0708**	**0.0000**	**281.4481**	**281.4481**	**0.0168**		**281.8690**

3.7 Architectural Coating - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2028	0.0963	1.4708	4.1400e-003	0.4412	2.8300e-003	0.4440	0.1170	2.6100e-003	0.1196		412.5008	412.5008	9.5300e-003		412.7391
Total	**0.2028**	**0.0963**	**1.4708**	**4.1400e-003**	**0.4412**	**2.8300e-003**	**0.4440**	**0.1170**	**2.6100e-003**	**0.1196**		**412.5008**	**412.5008**	**9.5300e-003**		**412.7391**

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	lb/day										lb/day					
Archit. Coating	7.7107					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443
Total	**7.8915**	**1.2188**	**1.8101**	**2.9700e-003**		**0.0609**	**0.0609**		**0.0609**	**0.0609**		**281.4481**	**281.4481**	**0.0159**		**281.8443**

3.7 Architectural Coating - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1904	0.0871	1.3644	3.9800e-003	0.4412	2.7700e-003	0.4440	0.1170	2.5500e-003	0.1196		396.4445	396.4445	8.6000e-003		396.6595
Total	**0.1904**	**0.0871**	**1.3644**	**3.9800e-003**	**0.4412**	**2.7700e-003**	**0.4440**	**0.1170**	**2.5500e-003**	**0.1196**		**396.4445**	**396.4445**	**8.6000e-003**		**396.6595**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	7.7107					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.8443
Total	**7.8915**	**1.2188**	**1.8101**	**2.9700e-003**		**0.0609**	**0.0609**		**0.0609**	**0.0609**	**0.0000**	**281.4481**	**281.4481**	**0.0159**		**281.8443**

3.7 Architectural Coating - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1904	0.0871	1.3644	3.9800e-003	0.4412	2.7700e-003	0.4440	0.1170	2.5500e-003	0.1196		396.4445	396.4445	8.6000e-003		396.6595
Total	**0.1904**	**0.0871**	**1.3644**	**3.9800e-003**	**0.4412**	**2.7700e-003**	**0.4440**	**0.1170**	**2.5500e-003**	**0.1196**		**396.4445**	**396.4445**	**8.6000e-003**		**396.6595**

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	lb/day										lb/day					
Archit. Coating	7.7107					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	**7.8816**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**		**281.4481**	**281.4481**	**0.0154**		**281.8319**

3.7 Architectural Coating - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1797	0.0791	1.2655	3.8200e-003	0.4412	2.7200e-003	0.4439	0.1170	2.5000e-003	0.1195		380.5514	380.5514	7.8000e-003		380.7463
Total	**0.1797**	**0.0791**	**1.2655**	**3.8200e-003**	**0.4412**	**2.7200e-003**	**0.4439**	**0.1170**	**2.5000e-003**	**0.1195**		**380.5514**	**380.5514**	**7.8000e-003**		**380.7463**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	7.7107					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319
Total	**7.8816**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**	**0.0000**	**281.4481**	**281.4481**	**0.0154**		**281.8319**

3.7 Architectural Coating - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1797	0.0791	1.2655	3.8200e-003	0.4412	2.7200e-003	0.4439	0.1170	2.5000e-003	0.1195		380.5514	380.5514	7.8000e-003		380.7463
Total	**0.1797**	**0.0791**	**1.2655**	**3.8200e-003**	**0.4412**	**2.7200e-003**	**0.4439**	**0.1170**	**2.5000e-003**	**0.1195**		**380.5514**	**380.5514**	**7.8000e-003**		**380.7463**

3.7 Architectural Coating - 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	lb/day										lb/day					
Archit. Coating	7.7107					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	**7.8816**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**		**281.4481**	**281.4481**	**0.0154**		**281.8319**

3.7 Architectural Coating - 2026

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1701	0.0723	1.1796	3.6800e-003	0.4412	2.6400e-003	0.4438	0.1170	2.4300e-003	0.1195		366.4060	366.4060	7.1000e-003		366.5835
Total	**0.1701**	**0.0723**	**1.1796**	**3.6800e-003**	**0.4412**	**2.6400e-003**	**0.4438**	**0.1170**	**2.4300e-003**	**0.1195**		**366.4060**	**366.4060**	**7.1000e-003**		**366.5835**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	7.7107					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319
Total	**7.8816**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**	**0.0000**	**281.4481**	**281.4481**	**0.0154**		**281.8319**

3.7 Architectural Coating - 2026

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1701	0.0723	1.1796	3.6800e-003	0.4412	2.6400e-003	0.4438	0.1170	2.4300e-003	0.1195		366.4060	366.4060	7.1000e-003		366.5835
Total	**0.1701**	**0.0723**	**1.1796**	**3.6800e-003**	**0.4412**	**2.6400e-003**	**0.4438**	**0.1170**	**2.4300e-003**	**0.1195**		**366.4060**	**366.4060**	**7.1000e-003**		**366.5835**

3.7 Architectural Coating - 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	lb/day										lb/day					
Archit. Coating	7.7107					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	**7.8816**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**		**281.4481**	**281.4481**	**0.0154**		**281.8319**

3.7 Architectural Coating - 2027

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1607	0.0662	1.1021	3.5500e-003	0.4412	2.5100e-003	0.4437	0.1170	2.3100e-003	0.1193		353.7601	353.7601	6.4700e-003		353.9219
Total	**0.1607**	**0.0662**	**1.1021**	**3.5500e-003**	**0.4412**	**2.5100e-003**	**0.4437**	**0.1170**	**2.3100e-003**	**0.1193**		**353.7601**	**353.7601**	**6.4700e-003**		**353.9219**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	7.7107					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319
Total	**7.8816**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**	**0.0000**	**281.4481**	**281.4481**	**0.0154**		**281.8319**

3.7 Architectural Coating - 2027

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1607	0.0662	1.1021	3.5500e-003	0.4412	2.5100e-003	0.4437	0.1170	2.3100e-003	0.1193		353.7601	353.7601	6.4700e-003		353.9219
Total	**0.1607**	**0.0662**	**1.1021**	**3.5500e-003**	**0.4412**	**2.5100e-003**	**0.4437**	**0.1170**	**2.3100e-003**	**0.1193**		**353.7601**	**353.7601**	**6.4700e-003**		**353.9219**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Improve Pedestrian Network

Provide Traffic Calming Measures

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	6.2323	20.8176	61.3227	0.2279	22.8107	0.1536	22.9642	6.0924	0.1428	6.2352		23,154.3867	23,154.3867	0.8901		23,176.6400
Unmitigated	6.3250	21.2754	64.0107	0.2391	24.0112	0.1604	24.1716	6.4131	0.1492	6.5622		24,290.2743	24,290.2743	0.9269		24,313.4473

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
Elementary School	94.00	0.00	0.00	141,191	134,132
Other Asphalt Surfaces	0.00	0.00	0.00		
Single Family Housing	3,762.42	4,340.58	3775.56	9,871,543	9,377,966
Total	3,856.42	4,340.58	3,775.56	10,012,734	9,512,097

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	10.00	5.00	6.50	33.00	48.00	19.00	66	28	6
Elementary School	10.00	5.00	6.50	65.00	30.00	5.00	63	25	12
Other Asphalt Surfaces	10.00	5.00	6.50	0.00	0.00	0.00	0	0	0
Single Family Housing	10.00	5.00	6.50	46.50	12.50	41.00	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.574521	0.035271	0.210873	0.107638	0.013399	0.004562	0.018333	0.025065	0.001898	0.001611	0.005555	0.000614	0.000658
Elementary School	0.574521	0.035271	0.210873	0.107638	0.013399	0.004562	0.018333	0.025065	0.001898	0.001611	0.005555	0.000614	0.000658
Other Asphalt Surfaces	0.574521	0.035271	0.210873	0.107638	0.013399	0.004562	0.018333	0.025065	0.001898	0.001611	0.005555	0.000614	0.000658
Single Family Housing	0.574521	0.035271	0.210873	0.107638	0.013399	0.004562	0.018333	0.025065	0.001898	0.001611	0.005555	0.000614	0.000658

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.1809	1.5492	0.6795	9.8700e-003		0.1250	0.1250		0.1250	0.1250		1,973.8948	1,973.8948	0.0378	0.0362	1,985.6246
NaturalGas Unmitigated	0.1809	1.5492	0.6795	9.8700e-003		0.1250	0.1250		0.1250	0.1250		1,973.8948	1,973.8948	0.0378	0.0362	1,985.6246

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
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
Elementary School	498.413	5.3800e-003	0.0489	0.0411	2.9000e-004		3.7100e-003	3.7100e-003		3.7100e-003	3.7100e-003		58.6369	58.6369	1.1200e-003	1.0800e-003	58.9853
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	16279.7	0.1756	1.5003	0.6384	9.5800e-003		0.1213	0.1213		0.1213	0.1213		1,915.2579	1,915.2579	0.0367	0.0351	1,926.6393
Total		**0.1810**	**1.5492**	**0.6795**	**9.8700e-003**		**0.1250**	**0.1250**		**0.1250**	**0.1250**		**1,973.8948**	**1,973.8948**	**0.0378**	**0.0362**	**1,985.6246**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
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
Elementary School	0.498413	5.3800e-003	0.0489	0.0411	2.9000e-004		3.7100e-003	3.7100e-003		3.7100e-003	3.7100e-003		58.6369	58.6369	1.1200e-003	1.0800e-003	58.9853
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	16.2797	0.1756	1.5003	0.6384	9.5800e-003		0.1213	0.1213		0.1213	0.1213		1,915.2579	1,915.2579	0.0367	0.0351	1,926.6393
Total		**0.1810**	**1.5492**	**0.6795**	**9.8700e-003**		**0.1250**	**0.1250**		**0.1250**	**0.1250**		**1,973.8948**	**1,973.8948**	**0.0378**	**0.0362**	**1,985.6246**

6.0 Area Detail

6.1 Mitigation Measures Area

Use only Natural Gas Hearths

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	21.0798	0.4160	36.1233	1.9100e-003		0.2004	0.2004		0.2004	0.2004	0.0000	65.1131	65.1131	0.0624	0.0000	66.6739
Unmitigated	21.0798	0.4160	36.1233	1.9100e-003		0.2004	0.2004		0.2004	0.2004	0.0000	65.1131	65.1131	0.0624	0.0000	66.6739

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	2.7463					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	17.2476					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.0860	0.4160	36.1233	1.9100e-003		0.2004	0.2004		0.2004	0.2004		65.1131	65.1131	0.0624		66.6739
Total	**21.0798**	**0.4160**	**36.1233**	**1.9100e-003**		**0.2004**	**0.2004**		**0.2004**	**0.2004**	**0.0000**	**65.1131**	**65.1131**	**0.0624**	**0.0000**	**66.6739**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	2.7463					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	17.2476					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.0860	0.4160	36.1233	1.9100e-003		0.2004	0.2004		0.2004	0.2004		65.1131	65.1131	0.0624		66.6739
Total	**21.0798**	**0.4160**	**36.1233**	**1.9100e-003**		**0.2004**	**0.2004**		**0.2004**	**0.2004**	**0.0000**	**65.1131**	**65.1131**	**0.0624**	**0.0000**	**66.6739**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Simmerhorn Ranch

Sacramento Metropolitan AQMD Air District, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Elementary School	200.00	Student	10.10	16,720.67	0
Other Asphalt Surfaces	9.03	1000sqft	0.21	9,025.00	0
City Park	6.60	Acre	6.60	287,496.00	0
Single Family Housing	438.00	Dwelling Unit	91.50	788,400.00	1169

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	3.5	**Precipitation Freq (Days)**	58
Climate Zone	6			**Operational Year**	2028
Utility Company	Sacramento Municipal Utility District				
CO2 Intensity (lb/MWhr)	298.37	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - CO2 intensity factor updated to reflect SMUD's projected RPS standards.

Land Use - Lot acreages updated per the preliminary site plans from September 2019 and information provided by the project applicant.

Construction Phase - Total days updated per the tentative schedule provided by the project applicant on the submitted air quality questionnaire.

Demolition -

Grading - Total acres graded updated per applicant-provided information.

Vehicle Trips - Updated weekday trip rates updated per the GHD Traffic Impact Study prepared for the proposed project. City park trip generation rate is set to zero because the applicant intends that all park visitors will access the site by foot.

Woodstoves - Applicant indicated that the proposed residents would have a natural gas fireplace.

Energy Use - Title 24 electricity and natural gas energy intensities are adjusted to comply with the 2019 CBSC.

Mobile Land Use Mitigation -

Area Mitigation -

Simmerhorn Ranch - Sacramento Metropolitan AQMD Air District, Winter

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	200.00	10.00
tblConstructionPhase	NumDays	120.00	20.00
tblConstructionPhase	NumDays	310.00	40.00
tblConstructionPhase	NumDays	220.00	200.00
tblConstructionPhase	NumDays	3,100.00	1,300.00
tblConstructionPhase	NumDays	220.00	1,300.00
tblEnergyUse	T24E	2.05	1.44
tblEnergyUse	T24E	678.97	319.12
tblEnergyUse	T24NG	14.60	10.22
tblEnergyUse	T24NG	23,147.69	10,879.41
tblFireplaces	NumberGas	0.00	438.00
tblFireplaces	NumberNoFireplace	438.00	0.00
tblGrading	AcresOfGrading	100.00	119.00
tblGrading	MaterialImported	0.00	2,300.00
tblLandUse	LandUseSquareFeet	9,030.00	9,025.00
tblLandUse	LotAcreage	0.38	10.10
tblLandUse	LotAcreage	142.21	91.50
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblProjectCharacteristics	CO2IntensityFactor	590.31	298.37
tblTripsAndVMT	WorkerTripNumber	28.00	18.00
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	1.29	0.47
tblVehicleTrips	WD_TR	9.52	8.59

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2019	5.8212	62.9517	37.5542	0.0754	4.5587	3.0330	7.5917	0.7446	2.8096	3.5541	0.0000	7,559.4850	7,559.4850	1.8176	0.0000	7,604.9249
2021	4.3061	47.9546	31.7450	0.0677	18.2032	2.0454	20.2486	9.9670	1.8818	11.8488	0.0000	6,610.4679	6,610.4679	1.9744	0.0000	6,659.8277
2022	11.1170	27.3099	28.9847	0.0759	3.2293	0.9333	4.1625	0.8698	0.8830	1.7528	0.0000	7,562.4125	7,562.4125	0.8335	0.0000	7,583.2490
2023	10.8334	24.4167	27.8635	0.0746	3.2292	0.7996	4.0288	0.8698	0.7564	1.6263	0.0000	7,433.1079	7,433.1079	0.8066	0.0000	7,453.2717
2024	10.6446	23.1697	27.0691	0.0736	3.2291	0.7023	3.9314	0.8698	0.6640	1.5338	0.0000	7,335.4058	7,335.4058	0.7955	0.0000	7,355.2930
2025	10.4638	21.9174	26.3522	0.0726	3.2291	0.6062	3.8352	0.8698	0.5731	1.4429	0.0000	7,239.3320	7,239.3320	0.7858	0.0000	7,258.9764
2026	10.4052	21.7284	25.8074	0.0717	3.2290	0.6051	3.8341	0.8698	0.5721	1.4419	0.0000	7,152.2520	7,152.2520	0.7807	0.0000	7,171.7691
2027	10.3484	21.5557	25.3189	0.0709	3.2290	0.6038	3.8328	0.8697	0.5709	1.4406	0.0000	7,073.6872	7,073.6872	0.7760	0.0000	7,093.0869
Maximum	**11.1170**	**62.9517**	**37.5542**	**0.0759**	**18.2032**	**3.0330**	**20.2486**	**9.9670**	**2.8096**	**11.8488**	**0.0000**	**7,562.4125**	**7,562.4125**	**1.9744**	**0.0000**	**7,604.9249**

2.1 Overall Construction (Maximum Daily Emission)

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2019	5.8212	62.9517	37.5542	0.0754	4.5587	3.0330	7.5917	0.7446	2.8096	3.5541	0.0000	7,559.4850	7,559.4850	1.8176	0.0000	7,604.9249
2021	4.3061	47.9546	31.7450	0.0677	18.2032	2.0454	20.2486	9.9670	1.8818	11.8488	0.0000	6,610.4679	6,610.4679	1.9744	0.0000	6,659.8277
2022	11.1170	27.3099	28.9847	0.0759	3.2293	0.9333	4.1625	0.8698	0.8830	1.7528	0.0000	7,562.4125	7,562.4125	0.8335	0.0000	7,583.2490
2023	10.8334	24.4167	27.8635	0.0746	3.2292	0.7996	4.0288	0.8698	0.7564	1.6263	0.0000	7,433.1079	7,433.1079	0.8066	0.0000	7,453.2717
2024	10.6446	23.1697	27.0691	0.0736	3.2291	0.7023	3.9314	0.8698	0.6640	1.5338	0.0000	7,335.4058	7,335.4058	0.7955	0.0000	7,355.2930
2025	10.4638	21.9174	26.3522	0.0726	3.2291	0.6062	3.8352	0.8698	0.5731	1.4429	0.0000	7,239.3320	7,239.3320	0.7858	0.0000	7,258.9764
2026	10.4052	21.7284	25.8074	0.0717	3.2290	0.6051	3.8341	0.8698	0.5721	1.4419	0.0000	7,152.2520	7,152.2520	0.7807	0.0000	7,171.7691
2027	10.3484	21.5557	25.3189	0.0709	3.2290	0.6038	3.8328	0.8697	0.5709	1.4406	0.0000	7,073.6872	7,073.6872	0.7760	0.0000	7,093.0869
Maximum	**11.1170**	**62.9517**	**37.5542**	**0.0759**	**18.2032**	**3.0330**	**20.2486**	**9.9670**	**2.8096**	**11.8488**	**0.0000**	**7,562.4125**	**7,562.4125**	**1.9744**	**0.0000**	**7,604.9249**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	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**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	21.0798	0.4160	36.1233	1.9100e-003		0.2004	0.2004		0.2004	0.2004	0.0000	65.1131	65.1131	0.0624	0.0000	66.6739
Energy	0.1809	1.5492	0.6795	9.8700e-003		0.1250	0.1250		0.1250	0.1250		1,973.8948	1,973.8948	0.0378	0.0362	1,985.6246
Mobile	4.6085	22.4185	58.2738	0.2164	24.0112	0.1617	24.1729	6.4131	0.1503	6.5634		22,023.6272	22,023.6272	0.9290		22,046.8524
Total	**25.8693**	**24.3837**	**95.0765**	**0.2282**	**24.0112**	**0.4871**	**24.4983**	**6.4131**	**0.4757**	**6.8888**	**0.0000**	**24,062.6351**	**24,062.6351**	**1.0293**	**0.0362**	**24,099.1509**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	21.0798	0.4160	36.1233	1.9100e-003		0.2004	0.2004		0.2004	0.2004	0.0000	65.1131	65.1131	0.0624	0.0000	66.6739
Energy	0.1809	1.5492	0.6795	9.8700e-003		0.1250	0.1250		0.1250	0.1250		1,973.8948	1,973.8948	0.0378	0.0362	1,985.6246
Mobile	4.5186	21.8967	56.1128	0.2063	22.8107	0.1548	22.9654	6.0924	0.1440	6.2364		20,994.1407	20,994.1407	0.8941		21,016.4933
Total	**25.7794**	**23.8619**	**92.9156**	**0.2181**	**22.8107**	**0.4802**	**23.2908**	**6.0924**	**0.4694**	**6.5618**	**0.0000**	**23,033.1486**	**23,033.1486**	**0.9944**	**0.0362**	**23,068.7918**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.35**	**2.14**	**2.27**	**4.43**	**5.00**	**1.41**	**4.93**	**5.00**	**1.34**	**4.75**	**0.00**	**4.28**	**4.28**	**3.39**	**0.00**	**4.28**

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	12/1/2019	12/13/2019	5	10	
2	Site Prep	Site Preparation	4/15/2021	5/12/2021	5	20	
3	Grading	Grading	5/13/2021	7/7/2021	5	40	
4	Paving	Paving	7/8/2021	4/13/2022	5	200	
5	Building Construction	Building Construction	4/14/2022	4/7/2027	5	1300	
6	Architectural Coating	Architectural Coating	4/28/2022	4/21/2027	5	1300	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 119

Acres of Paving: 0.21

Residential Indoor: 1,596,510; Residential Outdoor: 532,170; Non-Residential Indoor: 25,081; Non-Residential Outdoor: 8,360; Striped Parking Area: 542 (Architectural Coating – sqft)

OffRoad Equipment

Simmerhorn Ranch - Sacramento Metropolitan AQMD Air District, Winter

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	3	8.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Site Prep	Rubber Tired Dozers	3	8.00	247	0.40
Site Prep	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	11	18.00	0.00	182.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Site Prep	7	18.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	227.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	289.00	98.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	58.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.1050	0.0000	4.1050	0.6216	0.0000	0.6216			0.0000			0.0000
Off-Road	5.5792	57.2069	35.5548	0.0598		3.0078	3.0078		2.7855	2.7855		5,892.4953	5,892.4953	1.7185		5,935.4584
Total	**5.5792**	**57.2069**	**35.5548**	**0.0598**	**4.1050**	**3.0078**	**7.1128**	**0.6216**	**2.7855**	**3.4071**		**5,892.4953**	**5,892.4953**	**1.7185**		**5,935.4584**

3.2 Demolition - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1644	5.6876	1.4402	0.0144	0.3167	0.0242	0.3409	0.0867	0.0232	0.1098		1,537.5697	1,537.5697	0.0950		1,539.9438
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0776	0.0573	0.5591	1.3000e-003	0.1369	9.8000e-004	0.1379	0.0363	9.0000e-004	0.0372		129.4200	129.4200	4.1100e-003		129.5227
Total	**0.2420**	**5.7448**	**1.9994**	**0.0157**	**0.4536**	**0.0252**	**0.4788**	**0.1230**	**0.0241**	**0.1471**		**1,666.9897**	**1,666.9897**	**0.0991**		**1,669.4665**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.1050	0.0000	4.1050	0.6216	0.0000	0.6216			0.0000			0.0000
Off-Road	5.5792	57.2069	35.5548	0.0598		3.0078	3.0078		2.7855	2.7855	0.0000	5,892.4953	5,892.4953	1.7185		5,935.4584
Total	**5.5792**	**57.2069**	**35.5548**	**0.0598**	**4.1050**	**3.0078**	**7.1128**	**0.6216**	**2.7855**	**3.4071**	**0.0000**	**5,892.4953**	**5,892.4953**	**1.7185**		**5,935.4584**

3.2 Demolition - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1644	5.6876	1.4402	0.0144	0.3167	0.0242	0.3409	0.0867	0.0232	0.1098		1,537.5697	1,537.5697	0.0950		1,539.9438
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0776	0.0573	0.5591	1.3000e-003	0.1369	9.8000e-004	0.1379	0.0363	9.0000e-004	0.0372		129.4200	129.4200	4.1100e-003		129.5227
Total	**0.2420**	**5.7448**	**1.9994**	**0.0157**	**0.4536**	**0.0252**	**0.4788**	**0.1230**	**0.0241**	**0.1471**		**1,666.9897**	**1,666.9897**	**0.0991**		**1,669.4665**

3.3 Site Prep - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	3.8882	40.4971	21.1543	0.0380		2.0445	2.0445		1.8809	1.8809		3,685.6569	3,685.6569	1.1920		3,715.4573
Total	**3.8882**	**40.4971**	**21.1543**	**0.0380**	**18.0663**	**2.0445**	**20.1107**	**9.9307**	**1.8809**	**11.8116**		**3,685.6569**	**3,685.6569**	**1.1920**		**3,715.4573**

3.3 Site Prep - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0664	0.0456	0.4593	1.2200e-003	0.1369	9.2000e-004	0.1379	0.0363	8.5000e-004	0.0372		121.1696	121.1696	3.2300e-003		121.2503
Total	**0.0664**	**0.0456**	**0.4593**	**1.2200e-003**	**0.1369**	**9.2000e-004**	**0.1379**	**0.0363**	**8.5000e-004**	**0.0372**		**121.1696**	**121.1696**	**3.2300e-003**		**121.2503**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	3.8882	40.4971	21.1543	0.0380		2.0445	2.0445		1.8809	1.8809	0.0000	3,685.6569	3,685.6569	1.1920		3,715.4573
Total	**3.8882**	**40.4971**	**21.1543**	**0.0380**	**18.0663**	**2.0445**	**20.1107**	**9.9307**	**1.8809**	**11.8116**	**0.0000**	**3,685.6569**	**3,685.6569**	**1.1920**		**3,715.4573**

3.3 Site Prep - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0664	0.0456	0.4593	1.2200e-003	0.1369	9.2000e-004	0.1379	0.0363	8.5000e-004	0.0372		121.1696	121.1696	3.2300e-003		121.2503
Total	**0.0664**	**0.0456**	**0.4593**	**1.2200e-003**	**0.1369**	**9.2000e-004**	**0.1379**	**0.0363**	**8.5000e-004**	**0.0372**		**121.1696**	**121.1696**	**3.2300e-003**		**121.2503**

3.4 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					9.1771	0.0000	9.1771	3.6509	0.0000	3.6509			0.0000			0.0000
Off-Road	4.1912	46.3998	30.8785	0.0620		1.9853	1.9853		1.8265	1.8265		6,007.0434	6,007.0434	1.9428		6,055.6134
Total	**4.1912**	**46.3998**	**30.8785**	**0.0620**	**9.1771**	**1.9853**	**11.1624**	**3.6509**	**1.8265**	**5.4774**		**6,007.0434**	**6,007.0434**	**1.9428**		**6,055.6134**

3.4 Grading - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0412	1.5041	0.3562	4.3700e-003	0.0987	5.2300e-003	0.1039	0.0270	5.0100e-003	0.0320		468.7916	468.7916	0.0280		469.4917
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0738	0.0507	0.5103	1.3500e-003	0.1521	1.0300e-003	0.1532	0.0404	9.5000e-004	0.0413		134.6329	134.6329	3.5900e-003		134.7226
Total	**0.1150**	**1.5548**	**0.8665**	**5.7200e-003**	**0.2508**	**6.2600e-003**	**0.2571**	**0.0674**	**5.9600e-003**	**0.0733**		**603.4245**	**603.4245**	**0.0316**		**604.2143**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					9.1771	0.0000	9.1771	3.6509	0.0000	3.6509			0.0000			0.0000
Off-Road	4.1912	46.3998	30.8785	0.0620		1.9853	1.9853		1.8265	1.8265	0.0000	6,007.0434	6,007.0434	1.9428		6,055.6134
Total	**4.1912**	**46.3998**	**30.8785**	**0.0620**	**9.1771**	**1.9853**	**11.1624**	**3.6509**	**1.8265**	**5.4774**	**0.0000**	**6,007.0434**	**6,007.0434**	**1.9428**		**6,055.6134**

3.4 Grading - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0412	1.5041	0.3562	4.3700e-003	0.0987	5.2300e-003	0.1039	0.0270	5.0100e-003	0.0320		468.7916	468.7916	0.0280		469.4917
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0738	0.0507	0.5103	1.3500e-003	0.1521	1.0300e-003	0.1532	0.0404	9.5000e-004	0.0413		134.6329	134.6329	3.5900e-003		134.7226
Total	**0.1150**	**1.5548**	**0.8665**	**5.7200e-003**	**0.2508**	**6.2600e-003**	**0.2571**	**0.0674**	**5.9600e-003**	**0.0733**		**603.4245**	**603.4245**	**0.0316**		**604.2143**

3.5 Paving - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235		2,207.2109	2,207.2109	0.7139		2,225.0573
Paving	2.7500e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.2583**	**12.9191**	**14.6532**	**0.0228**		**0.6777**	**0.6777**		**0.6235**	**0.6235**		**2,207.2109**	**2,207.2109**	**0.7139**		**2,225.0573**

3.5 Paving - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0554	0.0380	0.3827	1.0100e-003	0.1141	7.7000e-004	0.1149	0.0303	7.1000e-004	0.0310		100.9746	100.9746	2.6900e-003		101.0419
Total	**0.0554**	**0.0380**	**0.3827**	**1.0100e-003**	**0.1141**	**7.7000e-004**	**0.1149**	**0.0303**	**7.1000e-004**	**0.0310**		**100.9746**	**100.9746**	**2.6900e-003**		**101.0419**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235	0.0000	2,207.2109	2,207.2109	0.7139		2,225.0573
Paving	2.7500e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.2583**	**12.9191**	**14.6532**	**0.0228**		**0.6777**	**0.6777**		**0.6235**	**0.6235**	**0.0000**	**2,207.2109**	**2,207.2109**	**0.7139**		**2,225.0573**

3.5 Paving - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0554	0.0380	0.3827	1.0100e-003	0.1141	7.7000e-004	0.1149	0.0303	7.1000e-004	0.0310		100.9746	100.9746	2.6900e-003		101.0419
Total	**0.0554**	**0.0380**	**0.3827**	**1.0100e-003**	**0.1141**	**7.7000e-004**	**0.1149**	**0.0303**	**7.1000e-004**	**0.0310**		**100.9746**	**100.9746**	**2.6900e-003**		**101.0419**

3.5 Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225		2,207.6603	2,207.6603	0.7140		2,225.5104
Paving	2.7500e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.1056**	**11.1249**	**14.5805**	**0.0228**		**0.5679**	**0.5679**		**0.5225**	**0.5225**		**2,207.6603**	**2,207.6603**	**0.7140**		**2,225.5104**

3.5 Paving - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0518	0.0342	0.3510	9.8000e-004	0.1141	7.5000e-004	0.1149	0.0303	6.9000e-004	0.0310		97.3592	97.3592	2.4100e-003		97.4196
Total	**0.0518**	**0.0342**	**0.3510**	**9.8000e-004**	**0.1141**	**7.5000e-004**	**0.1149**	**0.0303**	**6.9000e-004**	**0.0310**		**97.3592**	**97.3592**	**2.4100e-003**		**97.4196**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225	0.0000	2,207.6603	2,207.6603	0.7140		2,225.5104
Paving	2.7500e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.1056**	**11.1249**	**14.5805**	**0.0228**		**0.5679**	**0.5679**		**0.5225**	**0.5225**	**0.0000**	**2,207.6603**	**2,207.6603**	**0.7140**		**2,225.5104**

3.5 Paving - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0518	0.0342	0.3510	9.8000e-004	0.1141	7.5000e-004	0.1149	0.0303	6.9000e-004	0.0310		97.3592	97.3592	2.4100e-003		97.4196
Total	**0.0518**	**0.0342**	**0.3510**	**9.8000e-004**	**0.1141**	**7.5000e-004**	**0.1149**	**0.0303**	**6.9000e-004**	**0.0310**		**97.3592**	**97.3592**	**2.4100e-003**		**97.4196**

3.6 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322
Total	**1.7062**	**15.6156**	**16.3634**	**0.0269**		**0.8090**	**0.8090**		**0.7612**	**0.7612**		**2,554.3336**	**2,554.3336**	**0.6120**		**2,569.6322**

3.6 Building Construction - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2978	9.4953	2.6884	0.0234	0.5896	0.0252	0.6148	0.1697	0.0241	0.1938		2,474.3872	2,474.3872	0.1474		2,478.0712
Worker	0.9975	0.6584	6.7622	0.0188	2.1984	0.0145	2.2129	0.5832	0.0133	0.5965		1,875.7879	1,875.7879	0.0465		1,876.9504
Total	**1.2953**	**10.1537**	**9.4506**	**0.0422**	**2.7880**	**0.0397**	**2.8277**	**0.7528**	**0.0374**	**0.7902**		**4,350.1751**	**4,350.1751**	**0.1939**		**4,355.0216**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322
Total	**1.7062**	**15.6156**	**16.3634**	**0.0269**		**0.8090**	**0.8090**		**0.7612**	**0.7612**	**0.0000**	**2,554.3336**	**2,554.3336**	**0.6120**		**2,569.6322**

3.6 Building Construction - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2978	9.4953	2.6884	0.0234	0.5896	0.0252	0.6148	0.1697	0.0241	0.1938		2,474.3872	2,474.3872	0.1474		2,478.0712
Worker	0.9975	0.6584	6.7622	0.0188	2.1984	0.0145	2.2129	0.5832	0.0133	0.5965		1,875.7879	1,875.7879	0.0465		1,876.9504
Total	**1.2953**	**10.1537**	**9.4506**	**0.0422**	**2.7880**	**0.0397**	**2.8277**	**0.7528**	**0.0374**	**0.7902**		**4,350.1751**	**4,350.1751**	**0.1939**		**4,355.0216**

3.6 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061
Total	**1.5728**	**14.3849**	**16.2440**	**0.0269**		**0.6997**	**0.6997**		**0.6584**	**0.6584**		**2,555.2099**	**2,555.2099**	**0.6079**		**2,570.4061**

3.6 Building Construction - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2360	8.0178	2.3692	0.0229	0.5896	0.0121	0.6017	0.1696	0.0116	0.1812		2,428.7510	2,428.7510	0.1319		2,432.0496
Worker	0.9347	0.5922	6.1958	0.0181	2.1984	0.0141	2.2125	0.5832	0.0130	0.5961		1,805.3746	1,805.3746	0.0416		1,806.4141
Total	**1.1707**	**8.6100**	**8.5650**	**0.0410**	**2.7880**	**0.0262**	**2.8142**	**0.7528**	**0.0246**	**0.7774**		**4,234.1256**	**4,234.1256**	**0.1735**		**4,238.4637**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061
Total	**1.5728**	**14.3849**	**16.2440**	**0.0269**		**0.6997**	**0.6997**		**0.6584**	**0.6584**	**0.0000**	**2,555.2099**	**2,555.2099**	**0.6079**		**2,570.4061**

3.6 Building Construction - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2360	8.0178	2.3692	0.0229	0.5896	0.0121	0.6017	0.1696	0.0116	0.1812		2,428.7510	2,428.7510	0.1319		2,432.0496
Worker	0.9347	0.5922	6.1958	0.0181	2.1984	0.0141	2.2125	0.5832	0.0130	0.5961		1,805.3746	1,805.3746	0.0416		1,806.4141
Total	**1.1707**	**8.6100**	**8.5650**	**0.0410**	**2.7880**	**0.0262**	**2.8142**	**0.7528**	**0.0246**	**0.7774**		**4,234.1256**	**4,234.1256**	**0.1735**		**4,238.4637**

3.6 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	lb/day										lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077
Total	**1.4716**	**13.4438**	**16.1668**	**0.0270**		**0.6133**	**0.6133**		**0.5769**	**0.5769**		**2,555.6989**	**2,555.6989**	**0.6044**		**2,570.8077**

3.6 Building Construction - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2247	7.8645	2.2141	0.0228	0.5895	0.0115	0.6010	0.1696	0.0110	0.1806		2,414.7916	2,414.7916	0.1303		2,418.0501
Worker	0.8801	0.5352	5.7284	0.0174	2.1984	0.0138	2.2122	0.5832	0.0127	0.5959		1,735.2220	1,735.2220	0.0374		1,736.1579
Total	**1.1049**	**8.3997**	**7.9425**	**0.0402**	**2.7879**	**0.0253**	**2.8132**	**0.7528**	**0.0237**	**0.7764**		**4,150.0136**	**4,150.0136**	**0.1678**		**4,154.2080**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077
Total	**1.4716**	**13.4438**	**16.1668**	**0.0270**		**0.6133**	**0.6133**		**0.5769**	**0.5769**	**0.0000**	**2,555.6989**	**2,555.6989**	**0.6044**		**2,570.8077**

3.6 Building Construction - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2247	7.8645	2.2141	0.0228	0.5895	0.0115	0.6010	0.1696	0.0110	0.1806		2,414.7916	2,414.7916	0.1303		2,418.0501
Worker	0.8801	0.5352	5.7284	0.0174	2.1984	0.0138	2.2122	0.5832	0.0127	0.5959		1,735.2220	1,735.2220	0.0374		1,736.1579
Total	**1.1049**	**8.3997**	**7.9425**	**0.0402**	**2.7879**	**0.0253**	**2.8132**	**0.7528**	**0.0237**	**0.7764**		**4,150.0136**	**4,150.0136**	**0.1678**		**4,154.2080**

3.6 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	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**		**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

3.6 Building Construction - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2154	7.7188	2.0954	0.0226	0.5895	0.0109	0.6003	0.1696	0.0104	0.1800		2,401.3241	2,401.3241	0.1288		2,404.5440
Worker	0.8324	0.4860	5.2994	0.0167	2.1984	0.0135	2.2120	0.5832	0.0125	0.5956		1,665.7773	1,665.7773	0.0339		1,666.6243
Total	**1.0478**	**8.2047**	**7.3948**	**0.0393**	**2.7879**	**0.0244**	**2.8123**	**0.7528**	**0.0228**	**0.7756**		**4,067.1014**	**4,067.1014**	**0.1627**		**4,071.1683**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**	**0.0000**	**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

3.6 Building Construction - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2154	7.7188	2.0954	0.0226	0.5895	0.0109	0.6003	0.1696	0.0104	0.1800		2,401.3241	2,401.3241	0.1288		2,404.5440
Worker	0.8324	0.4860	5.2994	0.0167	2.1984	0.0135	2.2120	0.5832	0.0125	0.5956		1,665.7773	1,665.7773	0.0339		1,666.6243
Total	**1.0478**	**8.2047**	**7.3948**	**0.0393**	**2.7879**	**0.0244**	**2.8123**	**0.7528**	**0.0228**	**0.7756**		**4,067.1014**	**4,067.1014**	**0.1627**		**4,071.1683**

3.6 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	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**		**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

3.6 Building Construction - 2026

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2071	7.5802	1.9986	0.0225	0.5894	0.0102	0.5996	0.1696	9.7900e-003	0.1794		2,388.5449	2,388.5449	0.1274		2,391.7299
Worker	0.7904	0.4439	4.9264	0.0161	2.1984	0.0131	2.2116	0.5832	0.0121	0.5953		1,603.8956	1,603.8956	0.0308		1,604.6656
Total	**0.9976**	**8.0242**	**6.9249**	**0.0386**	**2.7878**	**0.0234**	**2.8112**	**0.7527**	**0.0219**	**0.7746**		**3,992.4405**	**3,992.4405**	**0.1582**		**3,996.3955**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**	**0.0000**	**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

3.6 Building Construction - 2026

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2071	7.5802	1.9986	0.0225	0.5894	0.0102	0.5996	0.1696	9.7900e-003	0.1794		2,388.5449	2,388.5449	0.1274		2,391.7299
Worker	0.7904	0.4439	4.9264	0.0161	2.1984	0.0131	2.2116	0.5832	0.0121	0.5953		1,603.8956	1,603.8956	0.0308		1,604.6656
Total	**0.9976**	**8.0242**	**6.9249**	**0.0386**	**2.7878**	**0.0234**	**2.8112**	**0.7527**	**0.0219**	**0.7746**		**3,992.4405**	**3,992.4405**	**0.1582**		**3,996.3955**

3.6 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	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**		**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

3.6 Building Construction - 2027

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1999	7.4529	1.9143	0.0224	0.5894	9.7100e-003	0.5991	0.1696	9.2900e-003	0.1789		2,376.5206	2,376.5206	0.1260		2,379.6715
Worker	0.7492	0.4062	4.5897	0.0155	2.1984	0.0125	2.2109	0.5832	0.0115	0.5947		1,548.4772	1,548.4772	0.0280		1,549.1778
Total	**0.9491**	**7.8590**	**6.5040**	**0.0379**	**2.7878**	**0.0222**	**2.8100**	**0.7527**	**0.0208**	**0.7735**		**3,924.9977**	**3,924.9977**	**0.1541**		**3,928.8494**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**	**0.0000**	**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

3.6 Building Construction - 2027

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1999	7.4529	1.9143	0.0224	0.5894	9.7100e-003	0.5991	0.1696	9.2900e-003	0.1789		2,376.5206	2,376.5206	0.1260		2,379.6715
Worker	0.7492	0.4062	4.5897	0.0155	2.1984	0.0125	2.2109	0.5832	0.0115	0.5947		1,548.4772	1,548.4772	0.0280		1,549.1778
Total	**0.9491**	**7.8590**	**6.5040**	**0.0379**	**2.7878**	**0.0222**	**2.8100**	**0.7527**	**0.0208**	**0.7735**		**3,924.9977**	**3,924.9977**	**0.1541**		**3,928.8494**

3.7 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	7.7107					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
Total	**7.9153**	**1.4085**	**1.8136**	**2.9700e-003**		**0.0817**	**0.0817**		**0.0817**	**0.0817**		**281.4481**	**281.4481**	**0.0183**		**281.9062**

3.7 Architectural Coating - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2002	0.1321	1.3571	3.7800e-003	0.4412	2.9000e-003	0.4441	0.1170	2.6700e-003	0.1197		376.4557	376.4557	9.3300e-003		376.6890
Total	**0.2002**	**0.1321**	**1.3571**	**3.7800e-003**	**0.4412**	**2.9000e-003**	**0.4441**	**0.1170**	**2.6700e-003**	**0.1197**		**376.4557**	**376.4557**	**9.3300e-003**		**376.6890**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	7.7107					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062
Total	**7.9153**	**1.4085**	**1.8136**	**2.9700e-003**		**0.0817**	**0.0817**		**0.0817**	**0.0817**	**0.0000**	**281.4481**	**281.4481**	**0.0183**		**281.9062**

3.7 Architectural Coating - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2002	0.1321	1.3571	3.7800e-003	0.4412	2.9000e-003	0.4441	0.1170	2.6700e-003	0.1197		376.4557	376.4557	9.3300e-003		376.6890
Total	**0.2002**	**0.1321**	**1.3571**	**3.7800e-003**	**0.4412**	**2.9000e-003**	**0.4441**	**0.1170**	**2.6700e-003**	**0.1197**		**376.4557**	**376.4557**	**9.3300e-003**		**376.6890**

3.7 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	7.7107					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690
Total	**7.9024**	**1.3030**	**1.8111**	**2.9700e-003**		**0.0708**	**0.0708**		**0.0708**	**0.0708**		**281.4481**	**281.4481**	**0.0168**		**281.8690**

3.7 Architectural Coating - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1876	0.1189	1.2434	3.6400e-003	0.4412	2.8300e-003	0.4440	0.1170	2.6100e-003	0.1196		362.3243	362.3243	8.3400e-003		362.5329
Total	**0.1876**	**0.1189**	**1.2434**	**3.6400e-003**	**0.4412**	**2.8300e-003**	**0.4440**	**0.1170**	**2.6100e-003**	**0.1196**		**362.3243**	**362.3243**	**8.3400e-003**		**362.5329**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	7.7107					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690
Total	**7.9024**	**1.3030**	**1.8111**	**2.9700e-003**		**0.0708**	**0.0708**		**0.0708**	**0.0708**	**0.0000**	**281.4481**	**281.4481**	**0.0168**		**281.8690**

3.7 Architectural Coating - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1876	0.1189	1.2434	3.6400e-003	0.4412	2.8300e-003	0.4440	0.1170	2.6100e-003	0.1196		362.3243	362.3243	8.3400e-003		362.5329
Total	**0.1876**	**0.1189**	**1.2434**	**3.6400e-003**	**0.4412**	**2.8300e-003**	**0.4440**	**0.1170**	**2.6100e-003**	**0.1196**		**362.3243**	**362.3243**	**8.3400e-003**		**362.5329**

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	lb/day										lb/day					
Archit. Coating	7.7107					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443
Total	**7.8915**	**1.2188**	**1.8101**	**2.9700e-003**		**0.0609**	**0.0609**		**0.0609**	**0.0609**		**281.4481**	**281.4481**	**0.0159**		**281.8443**

3.7 Architectural Coating - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1766	0.1074	1.1496	3.4900e-003	0.4412	2.7700e-003	0.4440	0.1170	2.5500e-003	0.1196		348.2453	348.2453	7.5100e-003		348.4331
Total	**0.1766**	**0.1074**	**1.1496**	**3.4900e-003**	**0.4412**	**2.7700e-003**	**0.4440**	**0.1170**	**2.5500e-003**	**0.1196**		**348.2453**	**348.2453**	**7.5100e-003**		**348.4331**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	7.7107					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.8443
Total	**7.8915**	**1.2188**	**1.8101**	**2.9700e-003**		**0.0609**	**0.0609**		**0.0609**	**0.0609**	**0.0000**	**281.4481**	**281.4481**	**0.0159**		**281.8443**

3.7 Architectural Coating - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1766	0.1074	1.1496	3.4900e-003	0.4412	2.7700e-003	0.4440	0.1170	2.5500e-003	0.1196		348.2453	348.2453	7.5100e-003		348.4331
Total	**0.1766**	**0.1074**	**1.1496**	**3.4900e-003**	**0.4412**	**2.7700e-003**	**0.4440**	**0.1170**	**2.5500e-003**	**0.1196**		**348.2453**	**348.2453**	**7.5100e-003**		**348.4331**

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	lb/day										lb/day					
Archit. Coating	7.7107					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	**7.8816**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**		**281.4481**	**281.4481**	**0.0154**		**281.8319**

3.7 Architectural Coating - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1671	0.0975	1.0636	3.3500e-003	0.4412	2.7200e-003	0.4439	0.1170	2.5000e-003	0.1195		334.3083	334.3083	6.8000e-003		334.4782
Total	**0.1671**	**0.0975**	**1.0636**	**3.3500e-003**	**0.4412**	**2.7200e-003**	**0.4439**	**0.1170**	**2.5000e-003**	**0.1195**		**334.3083**	**334.3083**	**6.8000e-003**		**334.4782**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	7.7107					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319
Total	**7.8816**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**	**0.0000**	**281.4481**	**281.4481**	**0.0154**		**281.8319**

3.7 Architectural Coating - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1671	0.0975	1.0636	3.3500e-003	0.4412	2.7200e-003	0.4439	0.1170	2.5000e-003	0.1195		334.3083	334.3083	6.8000e-003		334.4782
Total	**0.1671**	**0.0975**	**1.0636**	**3.3500e-003**	**0.4412**	**2.7200e-003**	**0.4439**	**0.1170**	**2.5000e-003**	**0.1195**		**334.3083**	**334.3083**	**6.8000e-003**		**334.4782**

3.7 Architectural Coating - 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	lb/day										lb/day					
Archit. Coating	7.7107					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	**7.8816**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**		**281.4481**	**281.4481**	**0.0154**		**281.8319**

3.7 Architectural Coating - 2026

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1586	0.0891	0.9887	3.2300e-003	0.4412	2.6400e-003	0.4438	0.1170	2.4300e-003	0.1195		321.8891	321.8891	6.1800e-003		322.0436
Total	**0.1586**	**0.0891**	**0.9887**	**3.2300e-003**	**0.4412**	**2.6400e-003**	**0.4438**	**0.1170**	**2.4300e-003**	**0.1195**		**321.8891**	**321.8891**	**6.1800e-003**		**322.0436**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	7.7107					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319
Total	**7.8816**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**	**0.0000**	**281.4481**	**281.4481**	**0.0154**		**281.8319**

3.7 Architectural Coating - 2026

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1586	0.0891	0.9887	3.2300e-003	0.4412	2.6400e-003	0.4438	0.1170	2.4300e-003	0.1195		321.8891	321.8891	6.1800e-003		322.0436
Total	**0.1586**	**0.0891**	**0.9887**	**3.2300e-003**	**0.4412**	**2.6400e-003**	**0.4438**	**0.1170**	**2.4300e-003**	**0.1195**		**321.8891**	**321.8891**	**6.1800e-003**		**322.0436**

3.7 Architectural Coating - 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	lb/day										lb/day					
Archit. Coating	7.7107					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	**7.8816**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**		**281.4481**	**281.4481**	**0.0154**		**281.8319**

3.7 Architectural Coating - 2027

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1504	0.0815	0.9211	3.1200e-003	0.4412	2.5100e-003	0.4437	0.1170	2.3100e-003	0.1193		310.7670	310.7670	5.6200e-003		310.9077
Total	**0.1504**	**0.0815**	**0.9211**	**3.1200e-003**	**0.4412**	**2.5100e-003**	**0.4437**	**0.1170**	**2.3100e-003**	**0.1193**		**310.7670**	**310.7670**	**5.6200e-003**		**310.9077**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	7.7107					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319
Total	**7.8816**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**	**0.0000**	**281.4481**	**281.4481**	**0.0154**		**281.8319**

3.7 Architectural Coating - 2027

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1504	0.0815	0.9211	3.1200e-003	0.4412	2.5100e-003	0.4437	0.1170	2.3100e-003	0.1193		310.7670	310.7670	5.6200e-003		310.9077
Total	**0.1504**	**0.0815**	**0.9211**	**3.1200e-003**	**0.4412**	**2.5100e-003**	**0.4437**	**0.1170**	**2.3100e-003**	**0.1193**		**310.7670**	**310.7670**	**5.6200e-003**		**310.9077**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Improve Pedestrian Network

Provide Traffic Calming Measures

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	4.5186	21.8967	56.1128	0.2063	22.8107	0.1548	22.9654	6.0924	0.1440	6.2364		20,994.1407	20,994.1407	0.8941		21,016.4933
Unmitigated	4.6085	22.4185	58.2738	0.2164	24.0112	0.1617	24.1729	6.4131	0.1503	6.5634		22,023.6272	22,023.6272	0.9290		22,046.8524

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
Elementary School	94.00	0.00	0.00	141,191	134,132
Other Asphalt Surfaces	0.00	0.00	0.00		
Single Family Housing	3,762.42	4,340.58	3775.56	9,871,543	9,377,966
Total	3,856.42	4,340.58	3,775.56	10,012,734	9,512,097

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	10.00	5.00	6.50	33.00	48.00	19.00	66	28	6
Elementary School	10.00	5.00	6.50	65.00	30.00	5.00	63	25	12
Other Asphalt Surfaces	10.00	5.00	6.50	0.00	0.00	0.00	0	0	0
Single Family Housing	10.00	5.00	6.50	46.50	12.50	41.00	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.574521	0.035271	0.210873	0.107638	0.013399	0.004562	0.018333	0.025065	0.001898	0.001611	0.005555	0.000614	0.000658
Elementary School	0.574521	0.035271	0.210873	0.107638	0.013399	0.004562	0.018333	0.025065	0.001898	0.001611	0.005555	0.000614	0.000658
Other Asphalt Surfaces	0.574521	0.035271	0.210873	0.107638	0.013399	0.004562	0.018333	0.025065	0.001898	0.001611	0.005555	0.000614	0.000658
Single Family Housing	0.574521	0.035271	0.210873	0.107638	0.013399	0.004562	0.018333	0.025065	0.001898	0.001611	0.005555	0.000614	0.000658

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.1809	1.5492	0.6795	9.8700e-003		0.1250	0.1250		0.1250	0.1250		1,973.8948	1,973.8948	0.0378	0.0362	1,985.6246
NaturalGas Unmitigated	0.1809	1.5492	0.6795	9.8700e-003		0.1250	0.1250		0.1250	0.1250		1,973.8948	1,973.8948	0.0378	0.0362	1,985.6246

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
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
Elementary School	498.413	5.3800e-003	0.0489	0.0411	2.9000e-004		3.7100e-003	3.7100e-003		3.7100e-003	3.7100e-003		58.6369	58.6369	1.1200e-003	1.0800e-003	58.9853
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	16279.7	0.1756	1.5003	0.6384	9.5800e-003		0.1213	0.1213		0.1213	0.1213		1,915.2579	1,915.2579	0.0367	0.0351	1,926.6393
Total		**0.1810**	**1.5492**	**0.6795**	**9.8700e-003**		**0.1250**	**0.1250**		**0.1250**	**0.1250**		**1,973.8948**	**1,973.8948**	**0.0378**	**0.0362**	**1,985.6246**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
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
Elementary School	0.498413	5.3800e-003	0.0489	0.0411	2.9000e-004		3.7100e-003	3.7100e-003		3.7100e-003	3.7100e-003		58.6369	58.6369	1.1200e-003	1.0800e-003	58.9853
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	16.2797	0.1756	1.5003	0.6384	9.5800e-003		0.1213	0.1213		0.1213	0.1213		1,915.2579	1,915.2579	0.0367	0.0351	1,926.6393
Total		**0.1810**	**1.5492**	**0.6795**	**9.8700e-003**		**0.1250**	**0.1250**		**0.1250**	**0.1250**		**1,973.8948**	**1,973.8948**	**0.0378**	**0.0362**	**1,985.6246**

6.0 Area Detail

6.1 Mitigation Measures Area

Use only Natural Gas Hearths

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	21.0798	0.4160	36.1233	1.9100e-003		0.2004	0.2004		0.2004	0.2004	0.0000	65.1131	65.1131	0.0624	0.0000	66.6739
Unmitigated	21.0798	0.4160	36.1233	1.9100e-003		0.2004	0.2004		0.2004	0.2004	0.0000	65.1131	65.1131	0.0624	0.0000	66.6739

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	2.7463					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	17.2476					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.0860	0.4160	36.1233	1.9100e-003		0.2004	0.2004		0.2004	0.2004		65.1131	65.1131	0.0624		66.6739
Total	**21.0798**	**0.4160**	**36.1233**	**1.9100e-003**		**0.2004**	**0.2004**		**0.2004**	**0.2004**	**0.0000**	**65.1131**	**65.1131**	**0.0624**	**0.0000**	**66.6739**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	2.7463					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	17.2476					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.0860	0.4160	36.1233	1.9100e-003		0.2004	0.2004		0.2004	0.2004		65.1131	65.1131	0.0624		66.6739
Total	**21.0798**	**0.4160**	**36.1233**	**1.9100e-003**		**0.2004**	**0.2004**		**0.2004**	**0.2004**	**0.0000**	**65.1131**	**65.1131**	**0.0624**	**0.0000**	**66.6739**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Simmerhorn Ranch

Sacramento Metropolitan AQMD Air District, Mitigation Report

Construction Mitigation Summary

Phase	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Architectural Coating	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Building Construction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Demolition	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Site Prep	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

OFFROAD Equipment Mitigation

Equipment Type	Fuel Type	Tier	Number Mitigated	Total Number of Equipment	DPF	Oxidation Catalyst
Air Compressors	Diesel	No Change	0	1	No Change	0.00
Concrete/Industrial Saws	Diesel	No Change	0	1	No Change	0.00
Cranes	Diesel	No Change	0	1	No Change	0.00
Excavators	Diesel	No Change	0	5	No Change	0.00
Forklifts	Diesel	No Change	0	3	No Change	0.00
Generator Sets	Diesel	No Change	0	1	No Change	0.00
Graders	Diesel	No Change	0	1	No Change	0.00
Pavers	Diesel	No Change	0	2	No Change	0.00
Paving Equipment	Diesel	No Change	0	2	No Change	0.00
Rollers	Diesel	No Change	0	2	No Change	0.00
Rubber Tired Dozers	Diesel	No Change	0	7	No Change	0.00
Scrapers	Diesel	No Change	0	2	No Change	0.00
Tractors/Loaders/Backhoes	Diesel	No Change	0	13	No Change	0.00
Welders	Diesel	No Change	0	1	No Change	0.00

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	Unmitigated tons/yr						Unmitigated mt/yr					
Air Compressors	1.18040E-001	7.97930E-001	1.17672E+000	1.93000E-003	3.99000E-002	3.99000E-002	0.00000E+000	1.65961E+002	1.65961E+002	9.53000E-003	0.00000E+000	1.66200E+002
Concrete/Industrial Saws	2.31000E-003	1.79400E-002	1.85100E-002	3.00000E-005	1.15000E-003	1.15000E-003	0.00000E+000	2.68829E+000	2.68829E+000	1.90000E-004	0.00000E+000	2.69302E+000
Cranes	1.89390E-001	1.99713E+000	1.01589E+000	3.28000E-003	8.38700E-002	7.71600E-002	0.00000E+000	2.88330E+002	2.88330E+002	9.32500E-002	0.00000E+000	2.90662E+002
Excavators	1.30800E-002	1.26360E-001	1.79820E-001	2.80000E-004	6.12000E-003	5.63000E-003	0.00000E+000	2.51059E+001	2.51059E+001	8.07000E-003	0.00000E+000	2.53077E+001
Forklifts	1.85900E-001	1.74303E+000	2.22291E+000	2.98000E-003	1.01630E-001	9.35000E-002	0.00000E+000	2.61868E+002	2.61868E+002	8.46900E-002	0.00000E+000	2.63985E+002
Generator Sets	1.86680E-001	1.66801E+000	2.38207E+000	4.28000E-003	7.31000E-002	7.31000E-002	0.00000E+000	3.67385E+002	3.67385E+002	1.49100E-002	0.00000E+000	3.67758E+002
Graders	9.06000E-003	1.18490E-001	3.53400E-002	1.30000E-004	3.75000E-003	3.45000E-003	0.00000E+000	1.16425E+001	1.16425E+001	3.77000E-003	0.00000E+000	1.17367E+001
Pavers	4.63800E-002	4.82790E-001	5.79430E-001	9.40000E-004	2.32100E-002	2.13500E-002	0.00000E+000	8.25779E+001	8.25779E+001	2.67100E-002	0.00000E+000	8.32456E+001
Paving Equipment	3.74000E-002	3.73260E-001	5.08610E-001	8.10000E-004	1.83600E-002	1.68900E-002	0.00000E+000	7.15697E+001	7.15697E+001	2.31500E-002	0.00000E+000	7.21484E+001
Rollers	3.62000E-002	3.70370E-001	3.74620E-001	5.20000E-004	2.22000E-002	2.04200E-002	0.00000E+000	4.61021E+001	4.61021E+001	1.49100E-002	0.00000E+000	4.64749E+001
Rubber Tired Dozers	6.93400E-002	7.29680E-001	2.66150E-001	5.50000E-004	3.54500E-002	3.26200E-002	0.00000E+000	4.90325E+001	4.90325E+001	1.57800E-002	0.00000E+000	4.94269E+001
Scrapers	3.71800E-002	4.28110E-001	2.80190E-001	6.10000E-004	1.66600E-002	1.53200E-002	0.00000E+000	5.32667E+001	5.32667E+001	1.72300E-002	0.00000E+000	5.36974E+001
Tractors/Loaders/Backhoes	2.63700E-001	2.66736E+000	4.03587E+000	5.63000E-003	1.24870E-001	1.14880E-001	0.00000E+000	4.94545E+002	4.94545E+002	1.59910E-001	0.00000E+000	4.98542E+002
Welders	1.54800E-001	8.98910E-001	1.08270E+000	1.66000E-003	3.14400E-002	3.14400E-002	0.00000E+000	1.22343E+002	1.22343E+002	1.25800E-002	0.00000E+000	1.22658E+002

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	Mitigated tons/yr						Mitigated mt/yr					
Air Compressors	1.18040E-001	7.97930E-001	1.17672E+000	1.93000E-003	3.99000E-002	3.99000E-002	0.00000E+000	1.65961E+002	1.65961E+002	9.53000E-003	0.00000E+000	1.66199E+002
Concrete/Industrial Saws	2.31000E-003	1.79400E-002	1.85100E-002	3.00000E-005	1.15000E-003	1.15000E-003	0.00000E+000	2.68828E+000	2.68828E+000	1.90000E-004	0.00000E+000	2.69301E+000
Cranes	1.89390E-001	1.99713E+000	1.01589E+000	3.28000E-003	8.38700E-002	7.71600E-002	0.00000E+000	2.88330E+002	2.88330E+002	9.32500E-002	0.00000E+000	2.90661E+002
Excavators	1.30800E-002	1.26360E-001	1.79820E-001	2.80000E-004	6.12000E-003	5.63000E-003	0.00000E+000	2.51059E+001	2.51059E+001	8.07000E-003	0.00000E+000	2.53077E+001
Forklifts	1.85900E-001	1.74303E+000	2.22291E+000	2.98000E-003	1.01630E-001	9.35000E-002	0.00000E+000	2.61868E+002	2.61868E+002	8.46900E-002	0.00000E+000	2.63985E+002
Generator Sets	1.86680E-001	1.66800E+000	2.38207E+000	4.28000E-003	7.31000E-002	7.31000E-002	0.00000E+000	3.67384E+002	3.67384E+002	1.49100E-002	0.00000E+000	3.67757E+002
Graders	9.06000E-003	1.18490E-001	3.53400E-002	1.30000E-004	3.75000E-003	3.45000E-003	0.00000E+000	1.16425E+001	1.16425E+001	3.77000E-003	0.00000E+000	1.17366E+001
Pavers	4.63800E-002	4.82790E-001	5.79430E-001	9.40000E-004	2.32100E-002	2.13500E-002	0.00000E+000	8.25778E+001	8.25778E+001	2.67100E-002	0.00000E+000	8.32455E+001
Paving Equipment	3.74000E-002	3.73260E-001	5.08610E-001	8.10000E-004	1.83600E-002	1.68900E-002	0.00000E+000	7.15696E+001	7.15696E+001	2.31500E-002	0.00000E+000	7.21483E+001
Rollers	3.62000E-002	3.70370E-001	3.74620E-001	5.20000E-004	2.22000E-002	2.04200E-002	0.00000E+000	4.61021E+001	4.61021E+001	1.49100E-002	0.00000E+000	4.64748E+001
Rubber Tired Dozers	6.93400E-002	7.29680E-001	2.66150E-001	5.50000E-004	3.54500E-002	3.26200E-002	0.00000E+000	4.90324E+001	4.90324E+001	1.57800E-002	0.00000E+000	4.94268E+001
Scrapers	3.71800E-002	4.28110E-001	2.80190E-001	6.10000E-004	1.66600E-002	1.53200E-002	0.00000E+000	5.32666E+001	5.32666E+001	1.72300E-002	0.00000E+000	5.36973E+001
Tractors/Loaders/Backhoes	2.63700E-001	2.66736E+000	4.03587E+000	5.63000E-003	1.24870E-001	1.14880E-001	0.00000E+000	4.94544E+002	4.94544E+002	1.59910E-001	0.00000E+000	4.98542E+002
Welders	1.54800E-001	8.98910E-001	1.08270E+000	1.66000E-003	3.14400E-002	3.14400E-002	0.00000E+000	1.22343E+002	1.22343E+002	1.25800E-002	0.00000E+000	1.22658E+002

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Air Compressors	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.14484E-006	1.14484E-006	0.00000E+000	0.00000E+000	1.14320E-006
Concrete/Industrial Saws	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	3.71984E-006	3.71984E-006	0.00000E+000	0.00000E+000	3.71330E-006
Cranes	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.17920E-006	1.17920E-006	0.00000E+000	0.00000E+000	1.20415E-006
Excavators	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.19494E-006	1.19494E-006	0.00000E+000	0.00000E+000	1.18541E-006
Forklifts	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.22199E-006	1.22199E-006	0.00000E+000	0.00000E+000	1.17431E-006
Generator Sets	0.00000E+000	5.99517E-006	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.17043E-006	1.17043E-006	0.00000E+000	0.00000E+000	1.19644E-006
Graders	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	8.58921E-007	8.58921E-007	0.00000E+000	0.00000E+000	1.70406E-006
Pavers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.21098E-006	1.21098E-006	0.00000E+000	0.00000E+000	1.20126E-006
Paving Equipment	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.25752E-006	1.25752E-006	0.00000E+000	0.00000E+000	1.24743E-006
Rollers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.08455E-006	1.08455E-006	0.00000E+000	0.00000E+000	1.29102E-006
Rubber Tired Dozers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.22368E-006	1.22368E-006	0.00000E+000	0.00000E+000	1.21391E-006
Scrapers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.31414E-006	1.31414E-006	0.00000E+000	0.00000E+000	1.30360E-006
Tractors/Loaders/Backhoes	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.19302E-006	1.19302E-006	0.00000E+000	0.00000E+000	1.20351E-006
Welders	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.22606E-006	1.22606E-006	0.00000E+000	0.00000E+000	1.22291E-006

Fugitive Dust Mitigation

Yes/No	Mitigation Measure	Mitigation Input		Mitigation Input		Mitigation Input	
No	Soil Stabilizer for unpaved Roads	PM10 Reduction		PM2.5 Reduction			
No	Replace Ground Cover of Area Disturbed	PM10 Reduction		PM2.5 Reduction			
No	Water Exposed Area	PM10 Reduction		PM2.5 Reduction		Frequency (per day)	

No	Unpaved Road Mitigation	Moisture Content %		Vehicle Speed (mph)	0.00		
No	Clean Paved Road	% PM Reduction	0.00				

		Unmitigated		Mitigated		Percent Reduction	
Phase	Source	PM10	PM2.5	PM10	PM2.5	PM10	PM2.5
Architectural Coating	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Architectural Coating	Roads	0.28	0.07	0.28	0.07	0.00	0.00
Building Construction	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Building Construction	Roads	1.75	0.47	1.75	0.47	0.00	0.00
Demolition	Fugitive Dust	0.02	0.00	0.02	0.00	0.00	0.00
Demolition	Roads	0.00	0.00	0.00	0.00	0.00	0.00
Grading	Fugitive Dust	0.18	0.07	0.18	0.07	0.00	0.00
Grading	Roads	0.00	0.00	0.00	0.00	0.00	0.00
Paving	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Paving	Roads	0.01	0.00	0.01	0.00	0.00	0.00
Site Prep	Fugitive Dust	0.18	0.10	0.18	0.10	0.00	0.00
Site Prep	Roads	0.00	0.00	0.00	0.00	0.00	0.00

Operational Percent Reduction Summary

Category	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Architectural Coating	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Consumer Products	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Electricity	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hearth	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Landscaping	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mobile	1.81	2.26	3.92	4.67	4.26	4.29	0.00	4.66	4.66	3.86	0.00	4.66
Natural Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Water Indoor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Water Outdoor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Operational Mobile Mitigation

Project Setting: Low Density Suburban

Mitigation	Category	Measure	% Reduction	Input Value 1	Input Value 2	Input Value
No	Land Use	Increase Density	0.00	0.00	0.00	
No	Land Use	Increase Diversity	0.18	0.44		
No	Land Use	Improve Walkability Design	0.00	0.00		
No	Land Use	Improve Destination Accessibility	0.00	0.00		
No	Land Use	Increase Transit Accessibility	0.25	0.00		
No	Land Use	Integrate Below Market Rate Housing	0.00	0.00		
	Land Use	Land Use SubTotal	0.00			

Yes	Neighborhood Enhancements	Improve Pedestrian Network	2.00	Project Site and Connecting Off-Site		
Yes	Neighborhood Enhancements	Provide Traffic Calming Measures	0.25	25.00	25.00	
No	Neighborhood Enhancements	Implement NEV Network	0.00			
	Neighborhood Enhancements	Neighborhood Enhancements Subtotal	0.05			
No	Parking Policy Pricing	Limit Parking Supply	0.00	0.00		
No	Parking Policy Pricing	Unbundle Parking Costs	0.00	0.00		
No	Parking Policy Pricing	On-street Market Pricing	0.00	0.00		
	Parking Policy Pricing	Parking Policy Pricing Subtotal	0.00			
No	Transit Improvements	Provide BRT System	0.00	0.00		
No	Transit Improvements	Expand Transit Network	0.00	0.00		
No	Transit Improvements	Increase Transit Frequency	0.00		0.00	
	Transit Improvements	Transit Improvements Subtotal	0.00			
		Land Use and Site Enhancement Subtotal	0.05			
No	Commute	Implement Trip Reduction Program				
No	Commute	Transit Subsidy				
No	Commute	Implement Employee Parking "Cash Out"	3.00			
No	Commute	Workplace Parking Charge		0.00		
No	Commute	Encourage Telecommuting and Alternative Work Schedules	0.00			
No	Commute	Market Commute Trip Reduction Option	0.00			
No	Commute	Employee Vanpool/Shuttle	0.00		2.00	
No	Commute	Provide Ride Sharing Program	5.00			
	Commute	Commute Subtotal	0.00			

No	School Trip	Implement School Bus Program	0.00			
		Total VMT Reduction	0.05			

Area Mitigation

Measure Implemented	Mitigation Measure	Input Value
Yes	Only Natural Gas Hearth	
No	No Hearth	
No	Use Low VOC Cleaning Supplies	
No	Use Low VOC Paint (Residential Interior)	100.00
No	Use Low VOC Paint (Residential Exterior)	100.00
No	Use Low VOC Paint (Non-residential Interior)	100.00
No	Use Low VOC Paint (Non-residential Exterior)	100.00
No	Use Low VOC Paint (Parking)	100.00
No	% Electric Lawnmower	0.00
No	% Electric Leafblower	0.00
No	% Electric Chainsaw	0.00

Energy Mitigation Measures

Measure Implemented	Mitigation Measure	Input Value 1	Input Value 2
No	Exceed Title 24		
No	Install High Efficiency Lighting		
No	On-site Renewable		

Appliance Type	Land Use Subtype	% Improvement
ClothWasher		30.00
DishWasher		15.00
Fan		50.00
Refrigerator		15.00

Water Mitigation Measures

Measure Implemented	Mitigation Measure	Input Value 1	Input Value 2
No	Apply Water Conservation on Strategy		
No	Use Reclaimed Water		
No	Use Grey Water		
No	Install low-flow bathroom faucet	32.00	
No	Install low-flow Kitchen faucet	18.00	
No	Install low-flow Toilet	20.00	
No	Install low-flow Shower	20.00	
No	Turf Reduction		
No	Use Water Efficient Irrigation Systems	6.10	
No	Water Efficient Landscape		

Solid Waste Mitigation

Mitigation Measures	Input Value

Institute Recycling and Composting Services Percent Reduction in Waste Disposed	

Existing Plus Project Conditions Mitigated

Simmerhorn Ranch

Sacramento Metropolitan AQMD Air District, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Elementary School	200.00	Student	10.10	16,720.67	0
Other Asphalt Surfaces	9.03	1000sqft	0.21	9,025.00	0
City Park	6.60	Acre	6.60	287,496.00	0
Single Family Housing	438.00	Dwelling Unit	91.50	788,400.00	1169

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	3.5	**Precipitation Freq (Days)**	58
Climate Zone	6			**Operational Year**	2028
Utility Company	Sacramento Municipal Utility District				
CO2 Intensity (lb/MWhr)	298.37	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - CO2 intensity factor updated to reflect SMUD's projected RPS standards.

Land Use - Lot acreages updated per the preliminary site plans from September 2019 and information provided by the project applicant.

Construction Phase - Total days updated per the tentative schedule provided by the project applicant on the submitted air quality questionnaire.

Demolition -

Grading - Total acres graded updated per applicant-provided information.

Vehicle Trips - Updated weekday trip rates updated per the GHD Traffic Impact Study prepared for the proposed project. City park trip generation rate is set to zero because the applicant intends that all park visitors will access the site by foot.

Woodstoves - This mitigation run is to track changes resulting from removing hearths.

Energy Use - Title 24 electricity and natural gas energy intensities are adjusted to comply with the 2019 CBSC.

Mobile Land Use Mitigation -

Area Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	220.00	1,300.00
tblConstructionPhase	NumDays	3,100.00	1,300.00
tblConstructionPhase	NumDays	200.00	10.00
tblConstructionPhase	NumDays	310.00	40.00
tblConstructionPhase	NumDays	220.00	200.00
tblConstructionPhase	NumDays	120.00	20.00
tblEnergyUse	T24E	2.05	1.44
tblEnergyUse	T24E	678.97	319.12
tblEnergyUse	T24NG	14.60	10.22
tblEnergyUse	T24NG	23,147.69	10,879.41
tblGrading	AcresOfGrading	100.00	119.00
tblLandUse	LandUseSquareFeet	9,030.00	9,025.00
tblLandUse	LotAcreage	0.38	10.10
tblLandUse	LotAcreage	142.21	91.50
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblProjectCharacteristics	CO2IntensityFactor	590.31	298.37
tblTripsAndVMT	WorkerTripNumber	28.00	18.00
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	1.29	0.47
tblVehicleTrips	WD_TR	9.52	8.59

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2019	0.0291	0.3146	0.1874	3.8000e-004	0.0227	0.0152	0.0379	3.7100e-003	0.0141	0.0178	0.0000	34.3682	34.3682	8.2300e-003	0.0000	34.5740
2021	0.2079	2.1568	1.7984	3.1700e-003	0.3755	0.1033	0.4787	0.1753	0.0950	0.2703	0.0000	279.2078	279.2078	0.0874	0.0000	281.3937
2022	1.0330	2.9473	3.2142	8.0200e-003	0.2937	0.1075	0.4013	0.0794	0.1012	0.1805	0.0000	723.6701	723.6701	0.0938	0.0000	726.0153
2023	1.3978	3.1679	3.5948	9.8200e-003	0.4058	0.1039	0.5097	0.1096	0.0983	0.2079	0.0000	888.5003	888.5003	0.0946	0.0000	890.8644
2024	1.3843	3.0298	3.5218	9.7600e-003	0.4089	0.0919	0.5008	0.1105	0.0869	0.1974	0.0000	883.3843	883.3843	0.0940	0.0000	885.7339
2025	1.3558	2.8556	3.4173	9.6000e-003	0.4073	0.0791	0.4864	0.1101	0.0747	0.1848	0.0000	868.3018	868.3018	0.0925	0.0000	870.6139
2026	1.3484	2.8315	3.3483	9.4800e-003	0.4073	0.0789	0.4862	0.1101	0.0746	0.1847	0.0000	857.6905	857.6905	0.0919	0.0000	859.9875
2027	0.3947	0.7488	0.8825	2.5100e-003	0.1098	0.0211	0.1309	0.0297	0.0200	0.0496	0.0000	226.9434	226.9434	0.0242	0.0000	227.5494
Maximum	**1.3978**	**3.1679**	**3.5948**	**9.8200e-003**	**0.4089**	**0.1075**	**0.5097**	**0.1753**	**0.1012**	**0.2703**	**0.0000**	**888.5003**	**888.5003**	**0.0946**	**0.0000**	**890.8644**

2.1 Overall Construction

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2019	0.0291	0.3146	0.1874	3.8000e-004	0.0227	0.0152	0.0379	3.7100e-003	0.0141	0.0178	0.0000	34.3681	34.3681	8.2300e-003	0.0000	34.5739
2021	0.2079	2.1568	1.7984	3.1700e-003	0.3755	0.1033	0.4787	0.1753	0.0950	0.2703	0.0000	279.2074	279.2074	0.0874	0.0000	281.3934
2022	1.0330	2.9473	3.2142	8.0200e-003	0.2937	0.1075	0.4013	0.0794	0.1012	0.1805	0.0000	723.6697	723.6697	0.0938	0.0000	726.0150
2023	1.3978	3.1679	3.5948	9.8200e-003	0.4058	0.1039	0.5097	0.1096	0.0983	0.2079	0.0000	888.4999	888.4999	0.0946	0.0000	890.8640
2024	1.3843	3.0298	3.5218	9.7600e-003	0.4089	0.0919	0.5008	0.1105	0.0869	0.1974	0.0000	883.3839	883.3839	0.0940	0.0000	885.7335
2025	1.3558	2.8556	3.4173	9.6000e-003	0.4073	0.0791	0.4864	0.1101	0.0747	0.1848	0.0000	868.3014	868.3014	0.0925	0.0000	870.6135
2026	1.3484	2.8315	3.3483	9.4800e-003	0.4073	0.0789	0.4862	0.1101	0.0746	0.1847	0.0000	857.6901	857.6901	0.0919	0.0000	859.9871
2027	0.3947	0.7488	0.8825	2.5100e-003	0.1098	0.0211	0.1309	0.0297	0.0200	0.0496	0.0000	226.9433	226.9433	0.0242	0.0000	227.5493
Maximum	**1.3978**	**3.1679**	**3.5948**	**9.8200e-003**	**0.4089**	**0.1075**	**0.5097**	**0.1753**	**0.1012**	**0.2703**	**0.0000**	**888.4999**	**888.4999**	**0.0946**	**0.0000**	**890.8640**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	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)
1	**12-1-2019**	**2-29-2020**	0.3193	0.3193
6	**3-1-2021**	**5-31-2021**	0.7891	0.7891

7	**6-1-2021**	**8-31-2021**	0.9504	0.9504
8	**9-1-2021**	**11-30-2021**	0.4638	0.4638
9	**12-1-2021**	**2-28-2022**	0.4175	0.4175
10	**3-1-2022**	**5-31-2022**	0.8005	0.8005
11	**6-1-2022**	**8-31-2022**	1.2559	1.2559
12	**9-1-2022**	**11-30-2022**	1.2467	1.2467
13	**12-1-2022**	**2-28-2023**	1.1682	1.1682
14	**3-1-2023**	**5-31-2023**	1.1552	1.1552
15	**6-1-2023**	**8-31-2023**	1.1537	1.1537
16	**9-1-2023**	**11-30-2023**	1.1442	1.1442
17	**12-1-2023**	**2-29-2024**	1.1149	1.1149
18	**3-1-2024**	**5-31-2024**	1.1083	1.1083
19	**6-1-2024**	**8-31-2024**	1.1069	1.1069
20	**9-1-2024**	**11-30-2024**	1.0976	1.0976
21	**12-1-2024**	**2-28-2025**	1.0567	1.0567
22	**3-1-2025**	**5-31-2025**	1.0614	1.0614
23	**6-1-2025**	**8-31-2025**	1.0601	1.0601
24	**9-1-2025**	**11-30-2025**	1.0511	1.0511
25	**12-1-2025**	**2-28-2026**	1.0356	1.0356
26	**3-1-2026**	**5-31-2026**	1.0534	1.0534
27	**6-1-2026**	**8-31-2026**	1.0521	1.0521
28	**9-1-2026**	**11-30-2026**	1.0431	1.0431
29	**12-1-2026**	**2-28-2027**	1.0280	1.0280
30	**3-1-2027**	**5-31-2027**	0.4790	0.4790
		Highest	1.2559	1.2559

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	3.7846	0.0520	4.5154	2.4000e-004		0.0251	0.0251		0.0251	0.0251	0.0000	7.3837	7.3837	7.0800e-003	0.0000	7.5607
Energy	0.0330	0.2827	0.1240	1.8000e-003		0.0228	0.0228		0.0228	0.0228	0.0000	821.1856	821.1856	0.0543	0.0159	827.2916
Mobile	0.7937	3.5272	9.0959	0.0356	3.7284	0.0258	3.7543	0.9987	0.0240	1.0227	0.0000	3,285.0318	3,285.0318	0.1327	0.0000	3,288.3500
Waste						0.0000	0.0000		0.0000	0.0000	92.9516	0.0000	92.9516	5.4933	0.0000	230.2836
Water						0.0000	0.0000		0.0000	0.0000	10.2681	32.4084	42.6765	0.0385	0.0230	50.4873
Total	**4.6114**	**3.8619**	**13.7354**	**0.0376**	**3.7284**	**0.0737**	**3.8021**	**0.9987**	**0.0719**	**1.0705**	**103.2197**	**4,146.0095**	**4,249.2292**	**5.7259**	**0.0389**	**4,403.9732**

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	3.7846	0.0520	4.5154	2.4000e-004		0.0251	0.0251		0.0251	0.0251	0.0000	7.3837	7.3837	7.0800e-003	0.0000	7.5607
Energy	0.0330	0.2827	0.1240	1.8000e-003		0.0228	0.0228		0.0228	0.0228	0.0000	821.1856	821.1856	0.0543	0.0159	827.2916
Mobile	0.7794	3.4475	8.7396	0.0339	3.5420	0.0247	3.5667	0.9487	0.0230	0.9717	0.0000	3,131.8006	3,131.8006	0.1276	0.0000	3,134.9909
Waste						0.0000	0.0000		0.0000	0.0000	92.9516	0.0000	92.9516	5.4933	0.0000	230.2836
Water						0.0000	0.0000		0.0000	0.0000	10.2681	32.4084	42.6765	0.0385	0.0230	50.4873
Total	**4.5970**	**3.7822**	**13.3790**	**0.0360**	**3.5420**	**0.0726**	**3.6146**	**0.9487**	**0.0709**	**1.0196**	**103.2197**	**3,992.7783**	**4,095.9981**	**5.7208**	**0.0389**	**4,250.6141**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.31**	**2.06**	**2.59**	**4.41**	**5.00**	**1.49**	**4.93**	**5.00**	**1.43**	**4.76**	**0.00**	**3.70**	**3.61**	**0.09**	**0.00**	**3.48**

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	12/1/2019	12/13/2019	5	10	
2	Site Prep	Site Preparation	4/15/2021	5/12/2021	5	20	
3	Grading	Grading	5/13/2021	7/7/2021	5	40	
4	Paving	Paving	7/8/2021	4/13/2022	5	200	
5	Building Construction	Building Construction	4/14/2022	4/7/2027	5	1300	
6	Architectural Coating	Architectural Coating	4/28/2022	4/21/2027	5	1300	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 119

Acres of Paving: 0.21

Residential Indoor: 1,596,510; Residential Outdoor: 532,170; Non-Residential Indoor: 25,081; Non-Residential Outdoor: 8,360; Striped Parking Area: 542 (Architectural Coating – sqft)

OffRoad Equipment

Simmerhorn Ranch - Sacramento Metropolitan AQMD Air District, Annual

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	3	8.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Site Prep	Rubber Tired Dozers	3	8.00	247	0.40
Site Prep	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	11	18.00	0.00	182.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Site Prep	7	18.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	289.00	98.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	58.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0205	0.0000	0.0205	3.1100e-003	0.0000	3.1100e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0279	0.2860	0.1778	3.0000e-004		0.0150	0.0150		0.0139	0.0139	0.0000	26.7279	26.7279	7.8000e-003	0.0000	26.9228
Total	**0.0279**	**0.2860**	**0.1778**	**3.0000e-004**	**0.0205**	**0.0150**	**0.0356**	**3.1100e-003**	**0.0139**	**0.0170**	**0.0000**	**26.7279**	**26.7279**	**7.8000e-003**	**0.0000**	**26.9228**

3.2 Demolition - 2019

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	8.0000e-004	0.0283	6.8400e-003	7.0000e-005	1.5400e-003	1.2000e-004	1.6500e-003	4.2000e-004	1.1000e-004	5.4000e-004	0.0000	7.0360	7.0360	4.2000e-004	0.0000	7.0465
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.6000e-004	2.6000e-004	2.7600e-003	1.0000e-005	6.6000e-004	0.0000	6.7000e-004	1.8000e-004	0.0000	1.8000e-004	0.0000	0.6042	0.6042	2.0000e-005	0.0000	0.6047
Total	**1.1600e-003**	**0.0285**	**9.6000e-003**	**8.0000e-005**	**2.2000e-003**	**1.2000e-004**	**2.3200e-003**	**6.0000e-004**	**1.1000e-004**	**7.2000e-004**	**0.0000**	**7.6403**	**7.6403**	**4.4000e-004**	**0.0000**	**7.6512**

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					0.0205	0.0000	0.0205	3.1100e-003	0.0000	3.1100e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0279	0.2860	0.1778	3.0000e-004		0.0150	0.0150		0.0139	0.0139	0.0000	26.7279	26.7279	7.8000e-003	0.0000	26.9228
Total	**0.0279**	**0.2860**	**0.1778**	**3.0000e-004**	**0.0205**	**0.0150**	**0.0356**	**3.1100e-003**	**0.0139**	**0.0170**	**0.0000**	**26.7279**	**26.7279**	**7.8000e-003**	**0.0000**	**26.9228**

3.2 Demolition - 2019

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	8.0000e-004	0.0283	6.8400e-003	7.0000e-005	1.5400e-003	1.2000e-004	1.6500e-003	4.2000e-004	1.1000e-004	5.4000e-004	0.0000	7.0360	7.0360	4.2000e-004	0.0000	7.0465
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.6000e-004	2.6000e-004	2.7600e-003	1.0000e-005	6.6000e-004	0.0000	6.7000e-004	1.8000e-004	0.0000	1.8000e-004	0.0000	0.6042	0.6042	2.0000e-005	0.0000	0.6047
Total	**1.1600e-003**	**0.0285**	**9.6000e-003**	**8.0000e-005**	**2.2000e-003**	**1.2000e-004**	**2.3200e-003**	**6.0000e-004**	**1.1000e-004**	**7.2000e-004**	**0.0000**	**7.6403**	**7.6403**	**4.4000e-004**	**0.0000**	**7.6512**

3.3 Site Prep - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1807	0.0000	0.1807	0.0993	0.0000	0.0993	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0389	0.4050	0.2115	3.8000e-004		0.0204	0.0204		0.0188	0.0188	0.0000	33.4357	33.4357	0.0108	0.0000	33.7061
Total	**0.0389**	**0.4050**	**0.2115**	**3.8000e-004**	**0.1807**	**0.0204**	**0.2011**	**0.0993**	**0.0188**	**0.1181**	**0.0000**	**33.4357**	**33.4357**	**0.0108**	**0.0000**	**33.7061**

3.3 Site Prep - 2021

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	6.2000e-004	4.1000e-004	4.5600e-003	1.0000e-005	1.3200e-003	1.0000e-005	1.3300e-003	3.5000e-004	1.0000e-005	3.6000e-004	0.0000	1.1314	1.1314	3.0000e-005	0.0000	1.1322
Total	**6.2000e-004**	**4.1000e-004**	**4.5600e-003**	**1.0000e-005**	**1.3200e-003**	**1.0000e-005**	**1.3300e-003**	**3.5000e-004**	**1.0000e-005**	**3.6000e-004**	**0.0000**	**1.1314**	**1.1314**	**3.0000e-005**	**0.0000**	**1.1322**

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					0.1807	0.0000	0.1807	0.0993	0.0000	0.0993	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0389	0.4050	0.2115	3.8000e-004		0.0204	0.0204		0.0188	0.0188	0.0000	33.4357	33.4357	0.0108	0.0000	33.7060
Total	**0.0389**	**0.4050**	**0.2115**	**3.8000e-004**	**0.1807**	**0.0204**	**0.2011**	**0.0993**	**0.0188**	**0.1181**	**0.0000**	**33.4357**	**33.4357**	**0.0108**	**0.0000**	**33.7060**

3.3 Site Prep - 2021

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	6.2000e-004	4.1000e-004	4.5600e-003	1.0000e-005	1.3200e-003	1.0000e-005	1.3300e-003	3.5000e-004	1.0000e-005	3.6000e-004	0.0000	1.1314	1.1314	3.0000e-005	0.0000	1.1322
Total	**6.2000e-004**	**4.1000e-004**	**4.5600e-003**	**1.0000e-005**	**1.3200e-003**	**1.0000e-005**	**1.3300e-003**	**3.5000e-004**	**1.0000e-005**	**3.6000e-004**	**0.0000**	**1.1314**	**1.1314**	**3.0000e-005**	**0.0000**	**1.1322**

3.4 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1835	0.0000	0.1835	0.0730	0.0000	0.0730	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0838	0.9280	0.6176	1.2400e-003		0.0397	0.0397		0.0365	0.0365	0.0000	108.9900	108.9900	0.0353	0.0000	109.8712
Total	**0.0838**	**0.9280**	**0.6176**	**1.2400e-003**	**0.1835**	**0.0397**	**0.2233**	**0.0730**	**0.0365**	**0.1096**	**0.0000**	**108.9900**	**108.9900**	**0.0353**	**0.0000**	**109.8712**

3.4 Grading - 2021

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	1.3900e-003	9.1000e-004	0.0101	3.0000e-005	2.9400e-003	2.0000e-005	2.9600e-003	7.8000e-004	2.0000e-005	8.0000e-004	0.0000	2.5143	2.5143	7.0000e-005	0.0000	2.5160
Total	**1.3900e-003**	**9.1000e-004**	**0.0101**	**3.0000e-005**	**2.9400e-003**	**2.0000e-005**	**2.9600e-003**	**7.8000e-004**	**2.0000e-005**	**8.0000e-004**	**0.0000**	**2.5143**	**2.5143**	**7.0000e-005**	**0.0000**	**2.5160**

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					0.1835	0.0000	0.1835	0.0730	0.0000	0.0730	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0838	0.9280	0.6176	1.2400e-003		0.0397	0.0397		0.0365	0.0365	0.0000	108.9898	108.9898	0.0353	0.0000	109.8711
Total	**0.0838**	**0.9280**	**0.6176**	**1.2400e-003**	**0.1835**	**0.0397**	**0.2233**	**0.0730**	**0.0365**	**0.1096**	**0.0000**	**108.9898**	**108.9898**	**0.0353**	**0.0000**	**109.8711**

3.4 Grading - 2021

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	1.3900e-003	9.1000e-004	0.0101	3.0000e-005	2.9400e-003	2.0000e-005	2.9600e-003	7.8000e-004	2.0000e-005	8.0000e-004	0.0000	2.5143	2.5143	7.0000e-005	0.0000	2.5160
Total	**1.3900e-003**	**9.1000e-004**	**0.0101**	**3.0000e-005**	**2.9400e-003**	**2.0000e-005**	**2.9600e-003**	**7.8000e-004**	**2.0000e-005**	**8.0000e-004**	**0.0000**	**2.5143**	**2.5143**	**7.0000e-005**	**0.0000**	**2.5160**

3.5 Paving - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0797	0.8204	0.9305	1.4500e-003		0.0430	0.0430		0.0396	0.0396	0.0000	127.1491	127.1491	0.0411	0.0000	128.1772
Paving	1.7000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0799**	**0.8204**	**0.9305**	**1.4500e-003**		**0.0430**	**0.0430**		**0.0396**	**0.0396**	**0.0000**	**127.1491**	**127.1491**	**0.0411**	**0.0000**	**128.1772**

3.5 Paving - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.3000e-003	2.1600e-003	0.0241	7.0000e-005	7.0000e-003	5.0000e-005	7.0400e-003	1.8600e-003	5.0000e-005	1.9100e-003	0.0000	5.9872	5.9872	1.6000e-004	0.0000	5.9911
Total	**3.3000e-003**	**2.1600e-003**	**0.0241**	**7.0000e-005**	**7.0000e-003**	**5.0000e-005**	**7.0400e-003**	**1.8600e-003**	**5.0000e-005**	**1.9100e-003**	**0.0000**	**5.9872**	**5.9872**	**1.6000e-004**	**0.0000**	**5.9911**

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	0.0797	0.8204	0.9305	1.4500e-003		0.0430	0.0430		0.0396	0.0396	0.0000	127.1490	127.1490	0.0411	0.0000	128.1770
Paving	1.7000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0799**	**0.8204**	**0.9305**	**1.4500e-003**		**0.0430**	**0.0430**		**0.0396**	**0.0396**	**0.0000**	**127.1490**	**127.1490**	**0.0411**	**0.0000**	**128.1770**

3.5 Paving - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.3000e-003	2.1600e-003	0.0241	7.0000e-005	7.0000e-003	5.0000e-005	7.0400e-003	1.8600e-003	5.0000e-005	1.9100e-003	0.0000	5.9872	5.9872	1.6000e-004	0.0000	5.9911
Total	**3.3000e-003**	**2.1600e-003**	**0.0241**	**7.0000e-005**	**7.0000e-003**	**5.0000e-005**	**7.0400e-003**	**1.8600e-003**	**5.0000e-005**	**1.9100e-003**	**0.0000**	**5.9872**	**5.9872**	**1.6000e-004**	**0.0000**	**5.9911**

3.5 Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0403	0.4061	0.5322	8.3000e-004		0.0207	0.0207		0.0191	0.0191	0.0000	73.1006	73.1006	0.0236	0.0000	73.6916
Paving	1.0000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0404**	**0.4061**	**0.5322**	**8.3000e-004**		**0.0207**	**0.0207**		**0.0191**	**0.0191**	**0.0000**	**73.1006**	**73.1006**	**0.0236**	**0.0000**	**73.6916**

3.5 Paving - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	1.7700e-003	1.1100e-003	0.0127	4.0000e-005	4.0200e-003	3.0000e-005	4.0500e-003	1.0700e-003	3.0000e-005	1.0900e-003	0.0000	3.3182	3.3182	8.0000e-005	0.0000	3.3202
Total	**1.7700e-003**	**1.1100e-003**	**0.0127**	**4.0000e-005**	**4.0200e-003**	**3.0000e-005**	**4.0500e-003**	**1.0700e-003**	**3.0000e-005**	**1.0900e-003**	**0.0000**	**3.3182**	**3.3182**	**8.0000e-005**	**0.0000**	**3.3202**

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	0.0403	0.4061	0.5322	8.3000e-004		0.0207	0.0207		0.0191	0.0191	0.0000	73.1005	73.1005	0.0236	0.0000	73.6916
Paving	1.0000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0404**	**0.4061**	**0.5322**	**8.3000e-004**		**0.0207**	**0.0207**		**0.0191**	**0.0191**	**0.0000**	**73.1005**	**73.1005**	**0.0236**	**0.0000**	**73.6916**

3.5 Paving - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	1.7700e-003	1.1100e-003	0.0127	4.0000e-005	4.0200e-003	3.0000e-005	4.0500e-003	1.0700e-003	3.0000e-005	1.0900e-003	0.0000	3.3182	3.3182	8.0000e-005	0.0000	3.3202
Total	**1.7700e-003**	**1.1100e-003**	**0.0127**	**4.0000e-005**	**4.0200e-003**	**3.0000e-005**	**4.0500e-003**	**1.0700e-003**	**3.0000e-005**	**1.0900e-003**	**0.0000**	**3.3182**	**3.3182**	**8.0000e-005**	**0.0000**	**3.3202**

3.6 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1595	1.4601	1.5300	2.5200e-003		0.0756	0.0756		0.0712	0.0712	0.0000	216.6631	216.6631	0.0519	0.0000	217.9608
Total	**0.1595**	**1.4601**	**1.5300**	**2.5200e-003**		**0.0756**	**0.0756**		**0.0712**	**0.0712**	**0.0000**	**216.6631**	**216.6631**	**0.0519**	**0.0000**	**217.9608**

3.6 Building Construction - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0267	0.8900	0.2310	2.2200e-003	0.0536	2.2700e-003	0.0558	0.0155	2.1700e-003	0.0177	0.0000	213.1149	213.1149	0.0119	0.0000	213.4135
Worker	0.0874	0.0550	0.6285	1.8100e-003	0.1985	1.3500e-003	0.1998	0.0528	1.2400e-003	0.0540	0.0000	163.7677	163.7677	4.0100e-003	0.0000	163.8678
Total	**0.1142**	**0.9450**	**0.8595**	**4.0300e-003**	**0.2520**	**3.6200e-003**	**0.2557**	**0.0683**	**3.4100e-003**	**0.0717**	**0.0000**	**376.8826**	**376.8826**	**0.0160**	**0.0000**	**377.2813**

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	0.1595	1.4601	1.5300	2.5200e-003		0.0756	0.0756		0.0712	0.0712	0.0000	216.6629	216.6629	0.0519	0.0000	217.9605
Total	**0.1595**	**1.4601**	**1.5300**	**2.5200e-003**		**0.0756**	**0.0756**		**0.0712**	**0.0712**	**0.0000**	**216.6629**	**216.6629**	**0.0519**	**0.0000**	**217.9605**

3.6 Building Construction - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0267	0.8900	0.2310	2.2200e-003	0.0536	2.2700e-003	0.0558	0.0155	2.1700e-003	0.0177	0.0000	213.1149	213.1149	0.0119	0.0000	213.4135
Worker	0.0874	0.0550	0.6285	1.8100e-003	0.1985	1.3500e-003	0.1998	0.0528	1.2400e-003	0.0540	0.0000	163.7677	163.7677	4.0100e-003	0.0000	163.8678
Total	**0.1142**	**0.9450**	**0.8595**	**4.0300e-003**	**0.2520**	**3.6200e-003**	**0.2557**	**0.0683**	**3.4100e-003**	**0.0717**	**0.0000**	**376.8826**	**376.8826**	**0.0160**	**0.0000**	**377.2813**

3.6 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2045	1.8700	2.1117	3.5000e-003		0.0910	0.0910		0.0856	0.0856	0.0000	301.3462	301.3462	0.0717	0.0000	303.1383
Total	**0.2045**	**1.8700**	**2.1117**	**3.5000e-003**		**0.0910**	**0.0910**		**0.0856**	**0.0856**	**0.0000**	**301.3462**	**301.3462**	**0.0717**	**0.0000**	**303.1383**

3.6 Building Construction - 2023

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	0.0294	1.0459	0.2841	3.0200e-003	0.0745	1.5000e-003	0.0760	0.0215	1.4400e-003	0.0230	0.0000	290.8327	290.8327	0.0149	0.0000	291.2051
Worker	0.1138	0.0688	0.8025	2.4200e-003	0.2759	1.8300e-003	0.2778	0.0734	1.6900e-003	0.0751	0.0000	219.1479	219.1479	4.9900e-003	0.0000	219.2728
Total	**0.1432**	**1.1146**	**1.0866**	**5.4400e-003**	**0.3504**	**3.3300e-003**	**0.3537**	**0.0949**	**3.1300e-003**	**0.0980**	**0.0000**	**509.9806**	**509.9806**	**0.0199**	**0.0000**	**510.4779**

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	0.2045	1.8700	2.1117	3.5000e-003		0.0910	0.0910		0.0856	0.0856	0.0000	301.3458	301.3458	0.0717	0.0000	303.1380
Total	**0.2045**	**1.8700**	**2.1117**	**3.5000e-003**		**0.0910**	**0.0910**		**0.0856**	**0.0856**	**0.0000**	**301.3458**	**301.3458**	**0.0717**	**0.0000**	**303.1380**

3.6 Building Construction - 2023

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	0.0294	1.0459	0.2841	3.0200e-003	0.0745	1.5000e-003	0.0760	0.0215	1.4400e-003	0.0230	0.0000	290.8327	290.8327	0.0149	0.0000	291.2051
Worker	0.1138	0.0688	0.8025	2.4200e-003	0.2759	1.8300e-003	0.2778	0.0734	1.6900e-003	0.0751	0.0000	219.1479	219.1479	4.9900e-003	0.0000	219.2728
Total	**0.1432**	**1.1146**	**1.0866**	**5.4400e-003**	**0.3504**	**3.3300e-003**	**0.3537**	**0.0949**	**3.1300e-003**	**0.0980**	**0.0000**	**509.9806**	**509.9806**	**0.0199**	**0.0000**	**510.4779**

3.6 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**

3.6 Building Construction - 2024

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	0.0282	1.0338	0.2677	3.0300e-003	0.0750	1.4400e-003	0.0765	0.0217	1.3700e-003	0.0231	0.0000	291.3685	291.3685	0.0148	0.0000	291.7392
Worker	0.1078	0.0626	0.7489	2.3500e-003	0.2781	1.8100e-003	0.2799	0.0740	1.6600e-003	0.0756	0.0000	212.2492	212.2492	4.5400e-003	0.0000	212.3627
Total	**0.1361**	**1.0964**	**1.0166**	**5.3800e-003**	**0.3531**	**3.2500e-003**	**0.3563**	**0.0956**	**3.0300e-003**	**0.0987**	**0.0000**	**503.6177**	**503.6177**	**0.0194**	**0.0000**	**504.1018**

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**

3.6 Building Construction - 2024

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	0.0282	1.0338	0.2677	3.0300e-003	0.0750	1.4400e-003	0.0765	0.0217	1.3700e-003	0.0231	0.0000	291.3685	291.3685	0.0148	0.0000	291.7392
Worker	0.1078	0.0626	0.7489	2.3500e-003	0.2781	1.8100e-003	0.2799	0.0740	1.6600e-003	0.0756	0.0000	212.2492	212.2492	4.5400e-003	0.0000	212.3627
Total	**0.1361**	**1.0964**	**1.0166**	**5.3800e-003**	**0.3531**	**3.2500e-003**	**0.3563**	**0.0956**	**3.0300e-003**	**0.0987**	**0.0000**	**503.6177**	**503.6177**	**0.0194**	**0.0000**	**504.1018**

3.6 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**

3.6 Building Construction - 2025

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	0.0270	1.0107	0.2525	3.0000e-003	0.0747	1.3600e-003	0.0761	0.0216	1.3000e-003	0.0229	0.0000	288.6180	288.6180	0.0146	0.0000	288.9830
Worker	0.1014	0.0567	0.6910	2.2400e-003	0.2770	1.7700e-003	0.2788	0.0737	1.6300e-003	0.0753	0.0000	202.9738	202.9738	4.1000e-003	0.0000	203.0762
Total	**0.1284**	**1.0674**	**0.9435**	**5.2400e-003**	**0.3517**	**3.1300e-003**	**0.3549**	**0.0953**	**2.9300e-003**	**0.0982**	**0.0000**	**491.5918**	**491.5918**	**0.0187**	**0.0000**	**492.0592**

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**

3.6 Building Construction - 2025

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	0.0270	1.0107	0.2525	3.0000e-003	0.0747	1.3600e-003	0.0761	0.0216	1.3000e-003	0.0229	0.0000	288.6180	288.6180	0.0146	0.0000	288.9830
Worker	0.1014	0.0567	0.6910	2.2400e-003	0.2770	1.7700e-003	0.2788	0.0737	1.6300e-003	0.0753	0.0000	202.9738	202.9738	4.1000e-003	0.0000	203.0762
Total	**0.1284**	**1.0674**	**0.9435**	**5.2400e-003**	**0.3517**	**3.1300e-003**	**0.3549**	**0.0953**	**2.9300e-003**	**0.0982**	**0.0000**	**491.5918**	**491.5918**	**0.0187**	**0.0000**	**492.0592**

3.6 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**

3.6 Building Construction - 2026

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	0.0260	0.9926	0.2409	2.9800e-003	0.0747	1.2800e-003	0.0760	0.0216	1.2300e-003	0.0228	0.0000	287.0615	287.0615	0.0144	0.0000	287.4224
Worker	0.0962	0.0518	0.6432	2.1600e-003	0.2770	1.7100e-003	0.2787	0.0737	1.5800e-003	0.0753	0.0000	195.4325	195.4325	3.7300e-003	0.0000	195.5257
Total	**0.1221**	**1.0443**	**0.8841**	**5.1400e-003**	**0.3517**	**2.9900e-003**	**0.3547**	**0.0953**	**2.8100e-003**	**0.0981**	**0.0000**	**482.4939**	**482.4939**	**0.0182**	**0.0000**	**482.9482**

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**

3.6 Building Construction - 2026

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	0.0260	0.9926	0.2409	2.9800e-003	0.0747	1.2800e-003	0.0760	0.0216	1.2300e-003	0.0228	0.0000	287.0615	287.0615	0.0144	0.0000	287.4224
Worker	0.0962	0.0518	0.6432	2.1600e-003	0.2770	1.7100e-003	0.2787	0.0737	1.5800e-003	0.0753	0.0000	195.4325	195.4325	3.7300e-003	0.0000	195.5257
Total	**0.1221**	**1.0443**	**0.8841**	**5.1400e-003**	**0.3517**	**2.9900e-003**	**0.3547**	**0.0953**	**2.8100e-003**	**0.0981**	**0.0000**	**482.4939**	**482.4939**	**0.0182**	**0.0000**	**482.9482**

3.6 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	0.0472	0.4302	0.5549	9.3000e-004		0.0182	0.0182		0.0171	0.0171	0.0000	80.0122	80.0122	0.0188	0.0000	80.4824
Total	**0.0472**	**0.4302**	**0.5549**	**9.3000e-004**		**0.0182**	**0.0182**		**0.0171**	**0.0171**	**0.0000**	**80.0122**	**80.0122**	**0.0188**	**0.0000**	**80.4824**

3.6 Building Construction - 2027

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.6300e-003	0.2580	0.0610	7.8000e-004	0.0198	3.2000e-004	0.0201	5.7100e-003	3.1000e-004	6.0200e-003	0.0000	75.5028	75.5028	3.7800e-003	0.0000	75.5973
Worker	0.0241	0.0125	0.1586	5.5000e-004	0.0732	4.3000e-004	0.0737	0.0195	4.0000e-004	0.0199	0.0000	49.8813	49.8813	9.0000e-004	0.0000	49.9038
Total	**0.0307**	**0.2705**	**0.2197**	**1.3300e-003**	**0.0930**	**7.5000e-004**	**0.0937**	**0.0252**	**7.1000e-004**	**0.0259**	**0.0000**	**125.3842**	**125.3842**	**4.6800e-003**	**0.0000**	**125.5011**

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	0.0472	0.4302	0.5549	9.3000e-004		0.0182	0.0182		0.0171	0.0171	0.0000	80.0121	80.0121	0.0188	0.0000	80.4823
Total	**0.0472**	**0.4302**	**0.5549**	**9.3000e-004**		**0.0182**	**0.0182**		**0.0171**	**0.0171**	**0.0000**	**80.0121**	**80.0121**	**0.0188**	**0.0000**	**80.4823**

3.6 Building Construction - 2027

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.6300e-003	0.2580	0.0610	7.8000e-004	0.0198	3.2000e-004	0.0201	5.7100e-003	3.1000e-004	6.0200e-003	0.0000	75.5028	75.5028	3.7800e-003	0.0000	75.5973
Worker	0.0241	0.0125	0.1586	5.5000e-004	0.0732	4.3000e-004	0.0737	0.0195	4.0000e-004	0.0199	0.0000	49.8813	49.8813	9.0000e-004	0.0000	49.9038
Total	**0.0307**	**0.2705**	**0.2197**	**1.3300e-003**	**0.0930**	**7.5000e-004**	**0.0937**	**0.0252**	**7.1000e-004**	**0.0259**	**0.0000**	**125.3842**	**125.3842**	**4.6800e-003**	**0.0000**	**125.5011**

3.7 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.6824					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0181	0.1247	0.1605	2.6000e-004		7.2300e-003	7.2300e-003		7.2300e-003	7.2300e-003	0.0000	22.5963	22.5963	1.4700e-003	0.0000	22.6331
Total	**0.7005**	**0.1247**	**0.1605**	**2.6000e-004**		**7.2300e-003**	**7.2300e-003**		**7.2300e-003**	**7.2300e-003**	**0.0000**	**22.5963**	**22.5963**	**1.4700e-003**	**0.0000**	**22.6331**

3.7 Architectural Coating - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0166	0.0104	0.1194	3.4000e-004	0.0377	2.6000e-004	0.0380	0.0100	2.4000e-004	0.0103	0.0000	31.1093	31.1093	7.6000e-004	0.0000	31.1283
Total	**0.0166**	**0.0104**	**0.1194**	**3.4000e-004**	**0.0377**	**2.6000e-004**	**0.0380**	**0.0100**	**2.4000e-004**	**0.0103**	**0.0000**	**31.1093**	**31.1093**	**7.6000e-004**	**0.0000**	**31.1283**

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	0.6824					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0181	0.1247	0.1605	2.6000e-004		7.2300e-003	7.2300e-003		7.2300e-003	7.2300e-003	0.0000	22.5963	22.5963	1.4700e-003	0.0000	22.6331
Total	**0.7005**	**0.1247**	**0.1605**	**2.6000e-004**		**7.2300e-003**	**7.2300e-003**		**7.2300e-003**	**7.2300e-003**	**0.0000**	**22.5963**	**22.5963**	**1.4700e-003**	**0.0000**	**22.6331**

3.7 Architectural Coating - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0166	0.0104	0.1194	3.4000e-004	0.0377	2.6000e-004	0.0380	0.0100	2.4000e-004	0.0103	0.0000	31.1093	31.1093	7.6000e-004	0.0000	31.1283
Total	**0.0166**	**0.0104**	**0.1194**	**3.4000e-004**	**0.0377**	**2.6000e-004**	**0.0380**	**0.0100**	**2.4000e-004**	**0.0103**	**0.0000**	**31.1093**	**31.1093**	**7.6000e-004**	**0.0000**	**31.1283**

3.7 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.0024					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0249	0.1694	0.2355	3.9000e-004		9.2100e-003	9.2100e-003		9.2100e-003	9.2100e-003	0.0000	33.1923	33.1923	1.9900e-003	0.0000	33.2419
Total	**1.0273**	**0.1694**	**0.2355**	**3.9000e-004**		**9.2100e-003**	**9.2100e-003**		**9.2100e-003**	**9.2100e-003**	**0.0000**	**33.1923**	**33.1923**	**1.9900e-003**	**0.0000**	**33.2419**

3.7 Architectural Coating - 2023

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	0.0228	0.0138	0.1611	4.9000e-004	0.0554	3.7000e-004	0.0557	0.0147	3.4000e-004	0.0151	0.0000	43.9812	43.9812	1.0000e-003	0.0000	44.0063
Total	**0.0228**	**0.0138**	**0.1611**	**4.9000e-004**	**0.0554**	**3.7000e-004**	**0.0557**	**0.0147**	**3.4000e-004**	**0.0151**	**0.0000**	**43.9812**	**43.9812**	**1.0000e-003**	**0.0000**	**44.0063**

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	1.0024					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0249	0.1694	0.2354	3.9000e-004		9.2100e-003	9.2100e-003		9.2100e-003	9.2100e-003	0.0000	33.1923	33.1923	1.9900e-003	0.0000	33.2419
Total	**1.0273**	**0.1694**	**0.2354**	**3.9000e-004**		**9.2100e-003**	**9.2100e-003**		**9.2100e-003**	**9.2100e-003**	**0.0000**	**33.1923**	**33.1923**	**1.9900e-003**	**0.0000**	**33.2419**

3.7 Architectural Coating - 2023

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	0.0228	0.0138	0.1611	4.9000e-004	0.0554	3.7000e-004	0.0557	0.0147	3.4000e-004	0.0151	0.0000	43.9812	43.9812	1.0000e-003	0.0000	44.0063
Total	**0.0228**	**0.0138**	**0.1611**	**4.9000e-004**	**0.0554**	**3.7000e-004**	**0.0557**	**0.0147**	**3.4000e-004**	**0.0151**	**0.0000**	**43.9812**	**43.9812**	**1.0000e-003**	**0.0000**	**44.0063**

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	1.0101					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	**1.0338**	**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**

3.7 Architectural Coating - 2024

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	0.0216	0.0126	0.1503	4.7000e-004	0.0558	3.6000e-004	0.0562	0.0148	3.3000e-004	0.0152	0.0000	42.5967	42.5967	9.1000e-004	0.0000	42.6195
Total	**0.0216**	**0.0126**	**0.1503**	**4.7000e-004**	**0.0558**	**3.6000e-004**	**0.0562**	**0.0148**	**3.3000e-004**	**0.0152**	**0.0000**	**42.5967**	**42.5967**	**9.1000e-004**	**0.0000**	**42.6195**

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	1.0101					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	**1.0338**	**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**

3.7 Architectural Coating - 2024

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	0.0216	0.0126	0.1503	4.7000e-004	0.0558	3.6000e-004	0.0562	0.0148	3.3000e-004	0.0152	0.0000	42.5967	42.5967	9.1000e-004	0.0000	42.6195
Total	**0.0216**	**0.0126**	**0.1503**	**4.7000e-004**	**0.0558**	**3.6000e-004**	**0.0562**	**0.0148**	**3.3000e-004**	**0.0152**	**0.0000**	**42.5967**	**42.5967**	**9.1000e-004**	**0.0000**	**42.6195**

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	1.0063					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0223	0.1495	0.2361	3.9000e-004		6.7200e-003	6.7200e-003		6.7200e-003	6.7200e-003	0.0000	33.3200	33.3200	1.8200e-003	0.0000	33.3654
Total	**1.0286**	**0.1495**	**0.2361**	**3.9000e-004**		**6.7200e-003**	**6.7200e-003**		**6.7200e-003**	**6.7200e-003**	**0.0000**	**33.3200**	**33.3200**	**1.8200e-003**	**0.0000**	**33.3654**

3.7 Architectural Coating - 2025

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	0.0204	0.0114	0.1387	4.5000e-004	0.0556	3.5000e-004	0.0559	0.0148	3.3000e-004	0.0151	0.0000	40.7352	40.7352	8.2000e-004	0.0000	40.7558
Total	**0.0204**	**0.0114**	**0.1387**	**4.5000e-004**	**0.0556**	**3.5000e-004**	**0.0559**	**0.0148**	**3.3000e-004**	**0.0151**	**0.0000**	**40.7352**	**40.7352**	**8.2000e-004**	**0.0000**	**40.7558**

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	1.0063					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0223	0.1495	0.2361	3.9000e-004		6.7200e-003	6.7200e-003		6.7200e-003	6.7200e-003	0.0000	33.3199	33.3199	1.8200e-003	0.0000	33.3654
Total	**1.0286**	**0.1495**	**0.2361**	**3.9000e-004**		**6.7200e-003**	**6.7200e-003**		**6.7200e-003**	**6.7200e-003**	**0.0000**	**33.3199**	**33.3199**	**1.8200e-003**	**0.0000**	**33.3654**

3.7 Architectural Coating - 2025

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	0.0204	0.0114	0.1387	4.5000e-004	0.0556	3.5000e-004	0.0559	0.0148	3.3000e-004	0.0151	0.0000	40.7352	40.7352	8.2000e-004	0.0000	40.7558
Total	**0.0204**	**0.0114**	**0.1387**	**4.5000e-004**	**0.0556**	**3.5000e-004**	**0.0559**	**0.0148**	**3.3000e-004**	**0.0151**	**0.0000**	**40.7352**	**40.7352**	**8.2000e-004**	**0.0000**	**40.7558**

3.7 Architectural Coating - 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					
Archit. Coating	1.0063					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0223	0.1495	0.2361	3.9000e-004		6.7200e-003	6.7200e-003		6.7200e-003	6.7200e-003	0.0000	33.3200	33.3200	1.8200e-003	0.0000	33.3654
Total	**1.0286**	**0.1495**	**0.2361**	**3.9000e-004**		**6.7200e-003**	**6.7200e-003**		**6.7200e-003**	**6.7200e-003**	**0.0000**	**33.3200**	**33.3200**	**1.8200e-003**	**0.0000**	**33.3654**

3.7 Architectural Coating - 2026

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	0.0193	0.0104	0.1291	4.3000e-004	0.0556	3.4000e-004	0.0559	0.0148	3.2000e-004	0.0151	0.0000	39.2217	39.2217	7.5000e-004	0.0000	39.2405
Total	**0.0193**	**0.0104**	**0.1291**	**4.3000e-004**	**0.0556**	**3.4000e-004**	**0.0559**	**0.0148**	**3.2000e-004**	**0.0151**	**0.0000**	**39.2217**	**39.2217**	**7.5000e-004**	**0.0000**	**39.2405**

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	1.0063					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0223	0.1495	0.2361	3.9000e-004		6.7200e-003	6.7200e-003		6.7200e-003	6.7200e-003	0.0000	33.3199	33.3199	1.8200e-003	0.0000	33.3654
Total	**1.0286**	**0.1495**	**0.2361**	**3.9000e-004**		**6.7200e-003**	**6.7200e-003**		**6.7200e-003**	**6.7200e-003**	**0.0000**	**33.3199**	**33.3199**	**1.8200e-003**	**0.0000**	**33.3654**

3.7 Architectural Coating - 2026

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	0.0193	0.0104	0.1291	4.3000e-004	0.0556	3.4000e-004	0.0559	0.0148	3.2000e-004	0.0151	0.0000	39.2217	39.2217	7.5000e-004	0.0000	39.2405
Total	**0.0193**	**0.0104**	**0.1291**	**4.3000e-004**	**0.0556**	**3.4000e-004**	**0.0559**	**0.0148**	**3.2000e-004**	**0.0151**	**0.0000**	**39.2217**	**39.2217**	**7.5000e-004**	**0.0000**	**39.2405**

3.7 Architectural Coating - 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					
Archit. Coating	0.3046					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.7500e-003	0.0453	0.0715	1.2000e-004		2.0300e-003	2.0300e-003		2.0300e-003	2.0300e-003	0.0000	10.0854	10.0854	5.5000e-004	0.0000	10.0991
Total	**0.3113**	**0.0453**	**0.0715**	**1.2000e-004**		**2.0300e-003**	**2.0300e-003**		**2.0300e-003**	**2.0300e-003**	**0.0000**	**10.0854**	**10.0854**	**5.5000e-004**	**0.0000**	**10.0991**

3.7 Architectural Coating - 2027

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	5.5300e-003	2.8800e-003	0.0365	1.3000e-004	0.0168	1.0000e-004	0.0169	4.4800e-003	9.0000e-005	4.5700e-003	0.0000	11.4616	11.4616	2.1000e-004	0.0000	11.4668
Total	**5.5300e-003**	**2.8800e-003**	**0.0365**	**1.3000e-004**	**0.0168**	**1.0000e-004**	**0.0169**	**4.4800e-003**	**9.0000e-005**	**4.5700e-003**	**0.0000**	**11.4616**	**11.4616**	**2.1000e-004**	**0.0000**	**11.4668**

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	0.3046					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.7500e-003	0.0453	0.0715	1.2000e-004		2.0300e-003	2.0300e-003		2.0300e-003	2.0300e-003	0.0000	10.0853	10.0853	5.5000e-004	0.0000	10.0991
Total	**0.3113**	**0.0453**	**0.0715**	**1.2000e-004**		**2.0300e-003**	**2.0300e-003**		**2.0300e-003**	**2.0300e-003**	**0.0000**	**10.0853**	**10.0853**	**5.5000e-004**	**0.0000**	**10.0991**

3.7 Architectural Coating - 2027

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	5.5300e-003	2.8800e-003	0.0365	1.3000e-004	0.0168	1.0000e-004	0.0169	4.4800e-003	9.0000e-005	4.5700e-003	0.0000	11.4616	11.4616	2.1000e-004	0.0000	11.4668
Total	**5.5300e-003**	**2.8800e-003**	**0.0365**	**1.3000e-004**	**0.0168**	**1.0000e-004**	**0.0169**	**4.4800e-003**	**9.0000e-005**	**4.5700e-003**	**0.0000**	**11.4616**	**11.4616**	**2.1000e-004**	**0.0000**	**11.4668**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Improve Pedestrian Network

Provide Traffic Calming Measures

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.7794	3.4475	8.7396	0.0339	3.5420	0.0247	3.5667	0.9487	0.0230	0.9717	0.0000	3,131.8006	3,131.8006	0.1276	0.0000	3,134.9909
Unmitigated	0.7937	3.5272	9.0959	0.0356	3.7284	0.0258	3.7543	0.9987	0.0240	1.0227	0.0000	3,285.0318	3,285.0318	0.1327	0.0000	3,288.3500

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
Elementary School	94.00	0.00	0.00	141,191	134,132
Other Asphalt Surfaces	0.00	0.00	0.00		
Single Family Housing	3,762.42	4,340.58	3775.56	9,871,543	9,377,966
Total	3,856.42	4,340.58	3,775.56	10,012,734	9,512,097

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	10.00	5.00	6.50	33.00	48.00	19.00	66	28	6
Elementary School	10.00	5.00	6.50	65.00	30.00	5.00	63	25	12
Other Asphalt Surfaces	10.00	5.00	6.50	0.00	0.00	0.00	0	0	0
Single Family Housing	10.00	5.00	6.50	46.50	12.50	41.00	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.574521	0.035271	0.210873	0.107638	0.013399	0.004562	0.018333	0.025065	0.001898	0.001611	0.005555	0.000614	0.000658
Elementary School	0.574521	0.035271	0.210873	0.107638	0.013399	0.004562	0.018333	0.025065	0.001898	0.001611	0.005555	0.000614	0.000658
Other Asphalt Surfaces	0.574521	0.035271	0.210873	0.107638	0.013399	0.004562	0.018333	0.025065	0.001898	0.001611	0.005555	0.000614	0.000658
Single Family Housing	0.574521	0.035271	0.210873	0.107638	0.013399	0.004562	0.018333	0.025065	0.001898	0.001611	0.005555	0.000614	0.000658

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	494.3852	494.3852	0.0481	9.9400e-003	498.5491
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	494.3852	494.3852	0.0481	9.9400e-003	498.5491
NaturalGas Mitigated	0.0330	0.2827	0.1240	1.8000e-003		0.0228	0.0228		0.0228	0.0228	0.0000	326.8004	326.8004	6.2600e-003	5.9900e-003	328.7424
NaturalGas Unmitigated	0.0330	0.2827	0.1240	1.8000e-003		0.0228	0.0228		0.0228	0.0228	0.0000	326.8004	326.8004	6.2600e-003	5.9900e-003	328.7424

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Elementary School	181921	9.8000e-004	8.9200e-003	7.4900e-003	5.0000e-005		6.8000e-004	6.8000e-004		6.8000e-004	6.8000e-004	0.0000	9.7080	9.7080	1.9000e-004	1.8000e-004	9.7657
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	5.94209e+006	0.0320	0.2738	0.1165	1.7500e-003		0.0221	0.0221		0.0221	0.0221	0.0000	317.0924	317.0924	6.0800e-003	5.8100e-003	318.9767
Total		**0.0330**	**0.2827**	**0.1240**	**1.8000e-003**		**0.0228**	**0.0228**		**0.0228**	**0.0228**	**0.0000**	**326.8004**	**326.8004**	**6.2700e-003**	**5.9900e-003**	**328.7424**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
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	181921	9.8000e-004	8.9200e-003	7.4900e-003	5.0000e-005		6.8000e-004	6.8000e-004		6.8000e-004	6.8000e-004	0.0000	9.7080	9.7080	1.9000e-004	1.8000e-004	9.7657
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	5.94209e+006	0.0320	0.2738	0.1165	1.7500e-003		0.0221	0.0221		0.0221	0.0221	0.0000	317.0924	317.0924	6.0800e-003	5.8100e-003	318.9767
Total		**0.0330**	**0.2827**	**0.1240**	**1.8000e-003**		**0.0228**	**0.0228**		**0.0228**	**0.0228**	**0.0000**	**326.8004**	**326.8004**	**6.2700e-003**	**5.9900e-003**	**328.7424**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
Elementary School	112196	15.1844	1.4800e-003	3.1000e-004	15.3123
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	3.54076e+006	479.2008	0.0466	9.6400e-003	483.2369
Total		**494.3852**	**0.0481**	**9.9500e-003**	**498.5491**

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
Elementary School	112196	15.1844	1.4800e-003	3.1000e-004	15.3123
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	3.54076e+006	479.2008	0.0466	9.6400e-003	483.2369
Total		**494.3852**	**0.0481**	**9.9500e-003**	**498.5491**

6.0 Area Detail

6.1 Mitigation Measures Area

No Hearths Installed

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	3.7846	0.0520	4.5154	2.4000e-004		0.0251	0.0251		0.0251	0.0251	0.0000	7.3837	7.3837	7.0800e-003	0.0000	7.5607
Unmitigated	3.7846	0.0520	4.5154	2.4000e-004		0.0251	0.0251		0.0251	0.0251	0.0000	7.3837	7.3837	7.0800e-003	0.0000	7.5607

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.5012					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	3.1477					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.1357	0.0520	4.5154	2.4000e-004		0.0251	0.0251		0.0251	0.0251	0.0000	7.3837	7.3837	7.0800e-003	0.0000	7.5607
Total	**3.7846**	**0.0520**	**4.5154**	**2.4000e-004**		**0.0251**	**0.0251**		**0.0251**	**0.0251**	**0.0000**	**7.3837**	**7.3837**	**7.0800e-003**	**0.0000**	**7.5607**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.5012					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	3.1477					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.1357	0.0520	4.5154	2.4000e-004		0.0251	0.0251		0.0251	0.0251	0.0000	7.3837	7.3837	7.0800e-003	0.0000	7.5607
Total	**3.7846**	**0.0520**	**4.5154**	**2.4000e-004**		**0.0251**	**0.0251**		**0.0251**	**0.0251**	**0.0000**	**7.3837**	**7.3837**	**7.0800e-003**	**0.0000**	**7.5607**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	42.6765	0.0385	0.0230	50.4873
Unmitigated	42.6765	0.0385	0.0230	50.4873

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 7.86378	3.7250	3.6000e-004	7.0000e-005	3.7563
Elementary School	0.484848 / 1.24675	1.0891	6.8000e-004	3.9000e-004	1.2227
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	28.5375 / 17.991	37.8625	0.0375	0.0225	45.5083
Total		**42.6765**	**0.0385**	**0.0230**	**50.4873**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 7.86378	3.7250	3.6000e-004	7.0000e-005	3.7563
Elementary School	0.484848 / 1.24675	1.0891	6.8000e-004	3.9000e-004	1.2227
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	28.5375 / 17.991	37.8625	0.0375	0.0225	45.5083
Total		**42.6765**	**0.0385**	**0.0230**	**50.4873**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	92.9516	5.4933	0.0000	230.2836
Unmitigated	92.9516	5.4933	0.0000	230.2836

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0.57	0.1157	6.8400e-003	0.0000	0.2867
Elementary School	36.5	7.4092	0.4379	0.0000	18.3559
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	420.84	85.4267	5.0486	0.0000	211.6411
Total		**92.9516**	**5.4933**	**0.0000**	**230.2836**

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0.57	0.1157	6.8400e-003	0.0000	0.2867
Elementary School	36.5	7.4092	0.4379	0.0000	18.3559
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	420.84	85.4267	5.0486	0.0000	211.6411
Total		**92.9516**	**5.4933**	**0.0000**	**230.2836**

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Simmerhorn Ranch

Sacramento Metropolitan AQMD Air District, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Elementary School	200.00	Student	10.10	16,720.67	0
Other Asphalt Surfaces	9.03	1000sqft	0.21	9,025.00	0
City Park	6.60	Acre	6.60	287,496.00	0
Single Family Housing	438.00	Dwelling Unit	91.50	788,400.00	1169

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	3.5	**Precipitation Freq (Days)**	58
Climate Zone	6			**Operational Year**	2028
Utility Company	Sacramento Municipal Utility District				
CO2 Intensity (lb/MWhr)	298.37	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Simmerhorn Ranch - Sacramento Metropolitan AQMD Air District, Summer

Project Characteristics - CO2 intensity factor updated to reflect SMUD's projected RPS standards.

Land Use - Lot acreages updated per the preliminary site plans from September 2019 and information provided by the project applicant.

Construction Phase - Total days updated per the tentative schedule provided by the project applicant on the submitted air quality questionnaire.

Demolition -

Grading - Total acres graded updated per applicant-provided information.

Vehicle Trips - Updated weekday trip rates updated per the GHD Traffic Impact Study prepared for the proposed project. City park trip generation rate is set to zero because the applicant intends that all park visitors will access the site by foot.

Woodstoves - Applicant indicated that the proposed residents would have a natural gas fireplace.

Energy Use - Title 24 electricity and natural gas energy intensities are adjusted to comply with the 2019 CBSC.

Mobile Land Use Mitigation -

Area Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	200.00	10.00
tblConstructionPhase	NumDays	120.00	20.00
tblConstructionPhase	NumDays	310.00	40.00
tblConstructionPhase	NumDays	220.00	200.00
tblConstructionPhase	NumDays	3,100.00	1,300.00
tblConstructionPhase	NumDays	220.00	1,300.00
tblConstructionPhase	PhaseEndDate	9/4/2020	12/13/2019
tblConstructionPhase	PhaseEndDate	2/19/2021	5/12/2021
tblConstructionPhase	PhaseEndDate	4/29/2022	7/7/2021
tblConstructionPhase	PhaseEndDate	1/19/2035	4/13/2022
tblConstructionPhase	PhaseEndDate	3/17/2034	4/7/2027
tblConstructionPhase	PhaseEndDate	11/23/2035	4/21/2027
tblConstructionPhase	PhaseStartDate	9/5/2020	4/15/2021
tblConstructionPhase	PhaseStartDate	2/20/2021	5/13/2021
tblConstructionPhase	PhaseStartDate	3/18/2034	7/8/2021

tblConstructionPhase	PhaseStartDate	4/30/2022	4/14/2022
tblConstructionPhase	PhaseStartDate	1/20/2035	4/28/2022
tblEnergyUse	T24E	2.05	1.44
tblEnergyUse	T24E	678.97	319.12
tblEnergyUse	T24NG	14.60	10.22
tblEnergyUse	T24NG	23,147.69	10,879.41
tblFireplaces	NumberGas	0.00	438.00
tblFireplaces	NumberNoFireplace	438.00	0.00
tblGrading	AcresOfGrading	100.00	119.00
tblLandUse	LandUseSquareFeet	9,030.00	9,025.00
tblLandUse	LotAcreage	0.38	10.10
tblLandUse	LotAcreage	142.21	91.50
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblProjectCharacteristics	CO2IntensityFactor	590.31	298.37
tblTripsAndVMT	WorkerTripNumber	28.00	18.00
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	1.29	0.47
tblVehicleTrips	WD_TR	9.52	8.59

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2019	5.8222	62.7069	37.5475	0.0758	4.5587	3.0322	7.5909	0.7446	2.8089	3.5534	0.0000	7,600.8774	7,600.8774	1.8137	0.0000	7,646.2205
2021	4.2713	46.4409	31.4768	0.0636	18.2032	2.0454	20.2486	9.9670	1.8818	11.8488	0.0000	6,160.3393	6,160.3393	1.9469	0.0000	6,209.0112
2022	11.2007	27.0225	30.0526	0.0796	3.2293	0.9317	4.1610	0.8698	0.8815	1.7513	0.0000	7,940.2119	7,940.2119	0.8299	0.0000	7,960.9593
2023	10.9106	24.2022	28.9088	0.0782	3.2292	0.7986	4.0278	0.8698	0.7555	1.6253	0.0000	7,797.6590	7,797.6590	0.8039	0.0000	7,817.7557
2024	10.7140	22.9728	28.0599	0.0771	3.2291	0.7014	3.9305	0.8698	0.6632	1.5330	0.0000	7,687.5115	7,687.5115	0.7923	0.0000	7,707.3190
2025	10.5268	21.7356	27.2832	0.0760	3.2291	0.6054	3.8345	0.8698	0.5724	1.4422	0.0000	7,579.0933	7,579.0933	0.7822	0.0000	7,598.6478
2026	10.4618	21.5597	26.6866	0.0750	3.2290	0.6044	3.8334	0.8698	0.5714	1.4412	0.0000	7,481.0483	7,481.0483	0.7767	0.0000	7,500.4665
2027	10.3990	21.3988	26.1510	0.0741	3.2290	0.6032	3.8322	0.8697	0.5703	1.4400	0.0000	7,392.7795	7,392.7795	0.7717	0.0000	7,412.0725
Maximum	**11.2007**	**62.7069**	**37.5475**	**0.0796**	**18.2032**	**3.0322**	**20.2486**	**9.9670**	**2.8089**	**11.8488**	**0.0000**	**7,940.2119**	**7,940.2119**	**1.9469**	**0.0000**	**7,960.9593**

2.1 Overall Construction (Maximum Daily Emission)

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2019	5.8222	62.7069	37.5475	0.0758	4.5587	3.0322	7.5909	0.7446	2.8089	3.5534	0.0000	7,600.8774	7,600.8774	1.8137	0.0000	7,646.2205
2021	4.2713	46.4409	31.4768	0.0636	18.2032	2.0454	20.2486	9.9670	1.8818	11.8488	0.0000	6,160.3392	6,160.3392	1.9469	0.0000	6,209.0112
2022	11.2007	27.0225	30.0526	0.0796	3.2293	0.9317	4.1610	0.8698	0.8815	1.7513	0.0000	7,940.2119	7,940.2119	0.8299	0.0000	7,960.9593
2023	10.9106	24.2022	28.9088	0.0782	3.2292	0.7986	4.0278	0.8698	0.7555	1.6253	0.0000	7,797.6590	7,797.6590	0.8039	0.0000	7,817.7557
2024	10.7140	22.9728	28.0599	0.0771	3.2291	0.7014	3.9305	0.8698	0.6632	1.5330	0.0000	7,687.5115	7,687.5115	0.7923	0.0000	7,707.3190
2025	10.5268	21.7356	27.2832	0.0760	3.2291	0.6054	3.8345	0.8698	0.5724	1.4422	0.0000	7,579.0933	7,579.0933	0.7822	0.0000	7,598.6478
2026	10.4618	21.5597	26.6866	0.0750	3.2290	0.6044	3.8334	0.8698	0.5714	1.4412	0.0000	7,481.0483	7,481.0483	0.7767	0.0000	7,500.4665
2027	10.3990	21.3988	26.1510	0.0741	3.2290	0.6032	3.8322	0.8697	0.5703	1.4400	0.0000	7,392.7795	7,392.7795	0.7717	0.0000	7,412.0725
Maximum	**11.2007**	**62.7069**	**37.5475**	**0.0796**	**18.2032**	**3.0322**	**20.2486**	**9.9670**	**2.8089**	**11.8488**	**0.0000**	**7,940.2119**	**7,940.2119**	**1.9469**	**0.0000**	**7,960.9593**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	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**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	21.0798	0.4160	36.1233	1.9100e-003		0.2004	0.2004		0.2004	0.2004	0.0000	65.1131	65.1131	0.0624	0.0000	66.6739
Energy	0.1809	1.5492	0.6795	9.8700e-003		0.1250	0.1250		0.1250	0.1250		1,973.8948	1,973.8948	0.0378	0.0362	1,985.6246
Mobile	6.3250	21.2754	64.0107	0.2391	24.0112	0.1604	24.1716	6.4131	0.1492	6.5622		24,290.2743	24,290.2743	0.9269		24,313.4473
Total	**27.5858**	**23.2406**	**100.8134**	**0.2508**	**24.0112**	**0.4858**	**24.4970**	**6.4131**	**0.4746**	**6.8876**	**0.0000**	**26,329.2822**	**26,329.2822**	**1.0272**	**0.0362**	**26,365.7458**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	21.0798	0.4160	36.1233	1.9100e-003		0.2004	0.2004		0.2004	0.2004	0.0000	65.1131	65.1131	0.0624	0.0000	66.6739
Energy	0.1809	1.5492	0.6795	9.8700e-003		0.1250	0.1250		0.1250	0.1250		1,973.8948	1,973.8948	0.0378	0.0362	1,985.6246
Mobile	6.2323	20.8176	61.3227	0.2279	22.8107	0.1536	22.9642	6.0924	0.1428	6.2352		23,154.3867	23,154.3867	0.8901		23,176.6400
Total	**27.4931**	**22.7828**	**98.1255**	**0.2396**	**22.8107**	**0.4790**	**23.2896**	**6.0924**	**0.4682**	**6.5606**	**0.0000**	**25,193.3946**	**25,193.3946**	**0.9904**	**0.0362**	**25,228.9385**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.34**	**1.97**	**2.67**	**4.46**	**5.00**	**1.41**	**4.93**	**5.00**	**1.35**	**4.75**	**0.00**	**4.31**	**4.31**	**3.58**	**0.00**	**4.31**

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	12/1/2019	12/13/2019	5	10	
2	Site Prep	Site Preparation	4/15/2021	5/12/2021	5	20	
3	Grading	Grading	5/13/2021	7/7/2021	5	40	
4	Building Construction	Building Construction	4/14/2022	4/7/2027	5	1300	
5	Paving	Paving	7/8/2021	4/13/2022	5	200	
6	Architectural Coating	Architectural Coating	4/28/2022	4/21/2027	5	1300	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 119

Acres of Paving: 0.21

Residential Indoor: 1,596,510; Residential Outdoor: 532,170; Non-Residential Indoor: 25,081; Non-Residential Outdoor: 8,360; Striped Parking Area: 542 (Architectural Coating – sqft)

OffRoad Equipment

Simmerhorn Ranch - Sacramento Metropolitan AQMD Air District, Summer

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	3	8.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Site Prep	Rubber Tired Dozers	3	8.00	247	0.40
Site Prep	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	11	18.00	0.00	182.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Site Prep	7	18.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	289.00	98.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	58.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.1050	0.0000	4.1050	0.6216	0.0000	0.6216			0.0000			0.0000
Off-Road	5.5792	57.2069	35.5548	0.0598		3.0078	3.0078		2.7855	2.7855		5,892.4953	5,892.4953	1.7185		5,935.4584
Total	**5.5792**	**57.2069**	**35.5548**	**0.0598**	**4.1050**	**3.0078**	**7.1128**	**0.6216**	**2.7855**	**3.4071**		**5,892.4953**	**5,892.4953**	**1.7185**		**5,935.4584**

3.2 Demolition - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1586	5.4537	1.3428	0.0146	0.3167	0.0235	0.3402	0.0867	0.0225	0.1091		1,561.0266	1,561.0266	0.0906		1,563.2907
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0843	0.0463	0.6499	1.4800e-003	0.1369	9.8000e-004	0.1379	0.0363	9.0000e-004	0.0372		147.3555	147.3555	4.6400e-003		147.4714
Total	**0.2430**	**5.5000**	**1.9927**	**0.0161**	**0.4536**	**0.0244**	**0.4781**	**0.1230**	**0.0234**	**0.1464**		**1,708.3821**	**1,708.3821**	**0.0952**		**1,710.7621**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.1050	0.0000	4.1050	0.6216	0.0000	0.6216			0.0000			0.0000
Off-Road	5.5792	57.2069	35.5548	0.0598		3.0078	3.0078		2.7855	2.7855	0.0000	5,892.4953	5,892.4953	1.7185		5,935.4584
Total	**5.5792**	**57.2069**	**35.5548**	**0.0598**	**4.1050**	**3.0078**	**7.1128**	**0.6216**	**2.7855**	**3.4071**	**0.0000**	**5,892.4953**	**5,892.4953**	**1.7185**		**5,935.4584**

3.2 Demolition - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1586	5.4537	1.3428	0.0146	0.3167	0.0235	0.3402	0.0867	0.0225	0.1091		1,561.0266	1,561.0266	0.0906		1,563.2907
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0843	0.0463	0.6499	1.4800e-003	0.1369	9.8000e-004	0.1379	0.0363	9.0000e-004	0.0372		147.3555	147.3555	4.6400e-003		147.4714
Total	**0.2430**	**5.5000**	**1.9927**	**0.0161**	**0.4536**	**0.0244**	**0.4781**	**0.1230**	**0.0234**	**0.1464**		**1,708.3821**	**1,708.3821**	**0.0952**		**1,710.7621**

3.3 Site Prep - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	3.8882	40.4971	21.1543	0.0380		2.0445	2.0445		1.8809	1.8809		3,685.6569	3,685.6569	1.1920		3,715.4573
Total	**3.8882**	**40.4971**	**21.1543**	**0.0380**	**18.0663**	**2.0445**	**20.1107**	**9.9307**	**1.8809**	**11.8116**		**3,685.6569**	**3,685.6569**	**1.1920**		**3,715.4573**

3.3 Site Prep - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0721	0.0369	0.5385	1.3900e-003	0.1369	9.2000e-004	0.1379	0.0363	8.5000e-004	0.0372		137.9662	137.9662	3.6700e-003		138.0580
Total	**0.0721**	**0.0369**	**0.5385**	**1.3900e-003**	**0.1369**	**9.2000e-004**	**0.1379**	**0.0363**	**8.5000e-004**	**0.0372**		**137.9662**	**137.9662**	**3.6700e-003**		**138.0580**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	3.8882	40.4971	21.1543	0.0380		2.0445	2.0445		1.8809	1.8809	0.0000	3,685.6569	3,685.6569	1.1920		3,715.4573
Total	**3.8882**	**40.4971**	**21.1543**	**0.0380**	**18.0663**	**2.0445**	**20.1107**	**9.9307**	**1.8809**	**11.8116**	**0.0000**	**3,685.6569**	**3,685.6569**	**1.1920**		**3,715.4573**

3.3 Site Prep - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0721	0.0369	0.5385	1.3900e-003	0.1369	9.2000e-004	0.1379	0.0363	8.5000e-004	0.0372		137.9662	137.9662	3.6700e-003		138.0580
Total	**0.0721**	**0.0369**	**0.5385**	**1.3900e-003**	**0.1369**	**9.2000e-004**	**0.1379**	**0.0363**	**8.5000e-004**	**0.0372**		**137.9662**	**137.9662**	**3.6700e-003**		**138.0580**

3.4 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					9.1771	0.0000	9.1771	3.6509	0.0000	3.6509			0.0000			0.0000
Off-Road	4.1912	46.3998	30.8785	0.0620		1.9853	1.9853		1.8265	1.8265		6,007.0434	6,007.0434	1.9428		6,055.6134
Total	**4.1912**	**46.3998**	**30.8785**	**0.0620**	**9.1771**	**1.9853**	**11.1624**	**3.6509**	**1.8265**	**5.4774**		**6,007.0434**	**6,007.0434**	**1.9428**		**6,055.6134**

3.4 Grading - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0802	0.0410	0.5983	1.5400e-003	0.1521	1.0300e-003	0.1532	0.0404	9.5000e-004	0.0413		153.2958	153.2958	4.0800e-003		153.3978
Total	**0.0802**	**0.0410**	**0.5983**	**1.5400e-003**	**0.1521**	**1.0300e-003**	**0.1532**	**0.0404**	**9.5000e-004**	**0.0413**		**153.2958**	**153.2958**	**4.0800e-003**		**153.3978**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					9.1771	0.0000	9.1771	3.6509	0.0000	3.6509			0.0000			0.0000
Off-Road	4.1912	46.3998	30.8785	0.0620		1.9853	1.9853		1.8265	1.8265	0.0000	6,007.0434	6,007.0434	1.9428		6,055.6134
Total	**4.1912**	**46.3998**	**30.8785**	**0.0620**	**9.1771**	**1.9853**	**11.1624**	**3.6509**	**1.8265**	**5.4774**	**0.0000**	**6,007.0434**	**6,007.0434**	**1.9428**		**6,055.6134**

3.4 Grading - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0802	0.0410	0.5983	1.5400e-003	0.1521	1.0300e-003	0.1532	0.0404	9.5000e-004	0.0413		153.2958	153.2958	4.0800e-003		153.3978
Total	**0.0802**	**0.0410**	**0.5983**	**1.5400e-003**	**0.1521**	**1.0300e-003**	**0.1532**	**0.0404**	**9.5000e-004**	**0.0413**		**153.2958**	**153.2958**	**4.0800e-003**		**153.3978**

3.5 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322
Total	**1.7062**	**15.6156**	**16.3634**	**0.0269**		**0.8090**	**0.8090**		**0.7612**	**0.7612**		**2,554.3336**	**2,554.3336**	**0.6120**		**2,569.6322**

3.5 Building Construction - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2810	9.3581	2.3158	0.0240	0.5896	0.0237	0.6133	0.1697	0.0226	0.1923		2,540.1307	2,540.1307	0.1360		2,543.5310
Worker	1.0812	0.5333	7.9619	0.0215	2.1984	0.0145	2.2129	0.5832	0.0133	0.5965		2,135.6847	2,135.6847	0.0530		2,137.0092
Total	**1.3622**	**9.8913**	**10.2777**	**0.0454**	**2.7880**	**0.0381**	**2.8261**	**0.7528**	**0.0359**	**0.7888**		**4,675.8154**	**4,675.8154**	**0.1890**		**4,680.5402**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322
Total	**1.7062**	**15.6156**	**16.3634**	**0.0269**		**0.8090**	**0.8090**		**0.7612**	**0.7612**	**0.0000**	**2,554.3336**	**2,554.3336**	**0.6120**		**2,569.6322**

3.5 Building Construction - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2810	9.3581	2.3158	0.0240	0.5896	0.0237	0.6133	0.1697	0.0226	0.1923		2,540.1307	2,540.1307	0.1360		2,543.5310
Worker	1.0812	0.5333	7.9619	0.0215	2.1984	0.0145	2.2129	0.5832	0.0133	0.5965		2,135.6847	2,135.6847	0.0530		2,137.0092
Total	**1.3622**	**9.8913**	**10.2777**	**0.0454**	**2.7880**	**0.0381**	**2.8261**	**0.7528**	**0.0359**	**0.7888**		**4,675.8154**	**4,675.8154**	**0.1890**		**4,680.5402**

3.5 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061
Total	**1.5728**	**14.3849**	**16.2440**	**0.0269**		**0.6997**	**0.6997**		**0.6584**	**0.6584**		**2,555.2099**	**2,555.2099**	**0.6079**		**2,570.4061**

3.5 Building Construction - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2221	7.9379	2.0543	0.0235	0.5896	0.0112	0.6007	0.1696	0.0107	0.1803		2,493.1085	2,493.1085	0.1222		2,496.1625
Worker	1.0105	0.4800	7.3286	0.0206	2.1984	0.0141	2.2125	0.5832	0.0130	0.5961		2,055.3918	2,055.3918	0.0475		2,056.5791
Total	**1.2326**	**8.4179**	**9.3829**	**0.0441**	**2.7880**	**0.0253**	**2.8132**	**0.7528**	**0.0237**	**0.7764**		**4,548.5003**	**4,548.5003**	**0.1697**		**4,552.7416**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061
Total	**1.5728**	**14.3849**	**16.2440**	**0.0269**		**0.6997**	**0.6997**		**0.6584**	**0.6584**	**0.0000**	**2,555.2099**	**2,555.2099**	**0.6079**		**2,570.4061**

3.5 Building Construction - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2221	7.9379	2.0543	0.0235	0.5896	0.0112	0.6007	0.1696	0.0107	0.1803		2,493.1085	2,493.1085	0.1222		2,496.1625
Worker	1.0105	0.4800	7.3286	0.0206	2.1984	0.0141	2.2125	0.5832	0.0130	0.5961		2,055.3918	2,055.3918	0.0475		2,056.5791
Total	**1.2326**	**8.4179**	**9.3829**	**0.0441**	**2.7880**	**0.0253**	**2.8132**	**0.7528**	**0.0237**	**0.7764**		**4,548.5003**	**4,548.5003**	**0.1697**		**4,552.7416**

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	lb/day										lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077
Total	**1.4716**	**13.4438**	**16.1668**	**0.0270**		**0.6133**	**0.6133**		**0.5769**	**0.5769**		**2,555.6989**	**2,555.6989**	**0.6044**		**2,570.8077**

3.5 Building Construction - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2116	7.7892	1.9202	0.0234	0.5895	0.0106	0.6001	0.1696	0.0101	0.1798		2,478.5327	2,478.5327	0.1207		2,481.5492
Worker	0.9489	0.4340	6.7984	0.0198	2.1984	0.0138	2.2122	0.5832	0.0127	0.5959		1,975.3873	1,975.3873	0.0428		1,976.4584
Total	**1.1605**	**8.2232**	**8.7186**	**0.0432**	**2.7879**	**0.0244**	**2.8123**	**0.7528**	**0.0228**	**0.7756**		**4,453.9200**	**4,453.9200**	**0.1635**		**4,458.0076**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077
Total	**1.4716**	**13.4438**	**16.1668**	**0.0270**		**0.6133**	**0.6133**		**0.5769**	**0.5769**	**0.0000**	**2,555.6989**	**2,555.6989**	**0.6044**		**2,570.8077**

3.5 Building Construction - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2116	7.7892	1.9202	0.0234	0.5895	0.0106	0.6001	0.1696	0.0101	0.1798		2,478.5327	2,478.5327	0.1207		2,481.5492
Worker	0.9489	0.4340	6.7984	0.0198	2.1984	0.0138	2.2122	0.5832	0.0127	0.5959		1,975.3873	1,975.3873	0.0428		1,976.4584
Total	**1.1605**	**8.2232**	**8.7186**	**0.0432**	**2.7879**	**0.0244**	**2.8123**	**0.7528**	**0.0228**	**0.7756**		**4,453.9200**	**4,453.9200**	**0.1635**		**4,458.0076**

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	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**		**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

3.5 Building Construction - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2029	7.6471	1.8181	0.0232	0.5895	0.0101	0.5995	0.1696	9.6400e-003	0.1792		2,464.4236	2,464.4236	0.1192		2,467.4046
Worker	0.8952	0.3942	6.3058	0.0190	2.1984	0.0135	2.2120	0.5832	0.0125	0.5956		1,896.1959	1,896.1959	0.0388		1,897.1670
Total	**1.0982**	**8.0413**	**8.1239**	**0.0422**	**2.7879**	**0.0236**	**2.8115**	**0.7528**	**0.0221**	**0.7749**		**4,360.6195**	**4,360.6195**	**0.1581**		**4,364.5715**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**	**0.0000**	**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

3.5 Building Construction - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2029	7.6471	1.8181	0.0232	0.5895	0.0101	0.5995	0.1696	9.6400e-003	0.1792		2,464.4236	2,464.4236	0.1192		2,467.4046
Worker	0.8952	0.3942	6.3058	0.0190	2.1984	0.0135	2.2120	0.5832	0.0125	0.5956		1,896.1959	1,896.1959	0.0388		1,897.1670
Total	**1.0982**	**8.0413**	**8.1239**	**0.0422**	**2.7879**	**0.0236**	**2.8115**	**0.7528**	**0.0221**	**0.7749**		**4,360.6195**	**4,360.6195**	**0.1581**		**4,364.5715**

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	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**		**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

3.5 Building Construction - 2026

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1953	7.5120	1.7354	0.0231	0.5894	9.5600e-003	0.5990	0.1696	9.1400e-003	0.1787		2,451.0075	2,451.0075	0.1180		2,453.9563
Worker	0.8474	0.3602	5.8778	0.0183	2.1984	0.0131	2.2116	0.5832	0.0121	0.5953		1,825.7124	1,825.7124	0.0354		1,826.5968
Total	**1.0427**	**7.8722**	**7.6131**	**0.0414**	**2.7878**	**0.0227**	**2.8105**	**0.7527**	**0.0212**	**0.7740**		**4,276.7199**	**4,276.7199**	**0.1533**		**4,280.5531**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**	**0.0000**	**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

3.5 Building Construction - 2026

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1953	7.5120	1.7354	0.0231	0.5894	9.5600e-003	0.5990	0.1696	9.1400e-003	0.1787		2,451.0075	2,451.0075	0.1180		2,453.9563
Worker	0.8474	0.3602	5.8778	0.0183	2.1984	0.0131	2.2116	0.5832	0.0121	0.5953		1,825.7124	1,825.7124	0.0354		1,826.5968
Total	**1.0427**	**7.8722**	**7.6131**	**0.0414**	**2.7878**	**0.0227**	**2.8105**	**0.7527**	**0.0212**	**0.7740**		**4,276.7199**	**4,276.7199**	**0.1533**		**4,280.5531**

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	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**		**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

3.5 Building Construction - 2027

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1886	7.3878	1.6635	0.0229	0.5894	9.1100e-003	0.5985	0.1696	8.7100e-003	0.1783		2,438.3961	2,438.3961	0.1167		2,441.3135
Worker	0.8008	0.3297	5.4916	0.0177	2.1984	0.0125	2.2109	0.5832	0.0115	0.5947		1,762.7010	1,762.7010	0.0323		1,763.5072
Total	**0.9893**	**7.7175**	**7.1551**	**0.0406**	**2.7878**	**0.0216**	**2.8094**	**0.7527**	**0.0202**	**0.7729**		**4,201.0971**	**4,201.0971**	**0.1490**		**4,204.8207**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**	**0.0000**	**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

3.5 Building Construction - 2027

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1886	7.3878	1.6635	0.0229	0.5894	9.1100e-003	0.5985	0.1696	8.7100e-003	0.1783		2,438.3961	2,438.3961	0.1167		2,441.3135
Worker	0.8008	0.3297	5.4916	0.0177	2.1984	0.0125	2.2109	0.5832	0.0115	0.5947		1,762.7010	1,762.7010	0.0323		1,763.5072
Total	**0.9893**	**7.7175**	**7.1551**	**0.0406**	**2.7878**	**0.0216**	**2.8094**	**0.7527**	**0.0202**	**0.7729**		**4,201.0971**	**4,201.0971**	**0.1490**		**4,204.8207**

3.6 Paving - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235		2,207.2109	2,207.2109	0.7139		2,225.0573
Paving	2.7500e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.2583**	**12.9191**	**14.6532**	**0.0228**		**0.6777**	**0.6777**		**0.6235**	**0.6235**		**2,207.2109**	**2,207.2109**	**0.7139**		**2,225.0573**

3.6 Paving - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0601	0.0308	0.4487	1.1500e-003	0.1141	7.7000e-004	0.1149	0.0303	7.1000e-004	0.0310		114.9719	114.9719	3.0600e-003		115.0483
Total	**0.0601**	**0.0308**	**0.4487**	**1.1500e-003**	**0.1141**	**7.7000e-004**	**0.1149**	**0.0303**	**7.1000e-004**	**0.0310**		**114.9719**	**114.9719**	**3.0600e-003**		**115.0483**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235	0.0000	2,207.2109	2,207.2109	0.7139		2,225.0573
Paving	2.7500e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.2583**	**12.9191**	**14.6532**	**0.0228**		**0.6777**	**0.6777**		**0.6235**	**0.6235**	**0.0000**	**2,207.2109**	**2,207.2109**	**0.7139**		**2,225.0573**

3.6 Paving - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0601	0.0308	0.4487	1.1500e-003	0.1141	7.7000e-004	0.1149	0.0303	7.1000e-004	0.0310		114.9719	114.9719	3.0600e-003		115.0483
Total	**0.0601**	**0.0308**	**0.4487**	**1.1500e-003**	**0.1141**	**7.7000e-004**	**0.1149**	**0.0303**	**7.1000e-004**	**0.0310**		**114.9719**	**114.9719**	**3.0600e-003**		**115.0483**

3.6 Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225		2,207.6603	2,207.6603	0.7140		2,225.5104
Paving	2.7500e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.1056**	**11.1249**	**14.5805**	**0.0228**		**0.5679**	**0.5679**		**0.5225**	**0.5225**		**2,207.6603**	**2,207.6603**	**0.7140**		**2,225.5104**

3.6 Paving - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0561	0.0277	0.4133	1.1100e-003	0.1141	7.5000e-004	0.1149	0.0303	6.9000e-004	0.0310		110.8487	110.8487	2.7500e-003		110.9174
Total	**0.0561**	**0.0277**	**0.4133**	**1.1100e-003**	**0.1141**	**7.5000e-004**	**0.1149**	**0.0303**	**6.9000e-004**	**0.0310**		**110.8487**	**110.8487**	**2.7500e-003**		**110.9174**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225	0.0000	2,207.6603	2,207.6603	0.7140		2,225.5104
Paving	2.7500e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.1056**	**11.1249**	**14.5805**	**0.0228**		**0.5679**	**0.5679**		**0.5225**	**0.5225**	**0.0000**	**2,207.6603**	**2,207.6603**	**0.7140**		**2,225.5104**

3.6 Paving - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0561	0.0277	0.4133	1.1100e-003	0.1141	7.5000e-004	0.1149	0.0303	6.9000e-004	0.0310		110.8487	110.8487	2.7500e-003		110.9174
Total	**0.0561**	**0.0277**	**0.4133**	**1.1100e-003**	**0.1141**	**7.5000e-004**	**0.1149**	**0.0303**	**6.9000e-004**	**0.0310**		**110.8487**	**110.8487**	**2.7500e-003**		**110.9174**

3.7 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	7.7107					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
Total	**7.9153**	**1.4085**	**1.8136**	**2.9700e-003**		**0.0817**	**0.0817**		**0.0817**	**0.0817**		**281.4481**	**281.4481**	**0.0183**		**281.9062**

3.7 Architectural Coating - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2170	0.1070	1.5979	4.3000e-003	0.4412	2.9000e-003	0.4441	0.1170	2.6700e-003	0.1197		428.6149	428.6149	0.0106		428.8808
Total	**0.2170**	**0.1070**	**1.5979**	**4.3000e-003**	**0.4412**	**2.9000e-003**	**0.4441**	**0.1170**	**2.6700e-003**	**0.1197**		**428.6149**	**428.6149**	**0.0106**		**428.8808**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	7.7107					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062
Total	**7.9153**	**1.4085**	**1.8136**	**2.9700e-003**		**0.0817**	**0.0817**		**0.0817**	**0.0817**	**0.0000**	**281.4481**	**281.4481**	**0.0183**		**281.9062**

3.7 Architectural Coating - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2170	0.1070	1.5979	4.3000e-003	0.4412	2.9000e-003	0.4441	0.1170	2.6700e-003	0.1197		428.6149	428.6149	0.0106		428.8808
Total	**0.2170**	**0.1070**	**1.5979**	**4.3000e-003**	**0.4412**	**2.9000e-003**	**0.4441**	**0.1170**	**2.6700e-003**	**0.1197**		**428.6149**	**428.6149**	**0.0106**		**428.8808**

3.7 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	7.7107					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690
Total	**7.9024**	**1.3030**	**1.8111**	**2.9700e-003**		**0.0708**	**0.0708**		**0.0708**	**0.0708**		**281.4481**	**281.4481**	**0.0168**		**281.8690**

3.7 Architectural Coating - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2028	0.0963	1.4708	4.1400e-003	0.4412	2.8300e-003	0.4440	0.1170	2.6100e-003	0.1196		412.5008	412.5008	9.5300e-003		412.7391
Total	**0.2028**	**0.0963**	**1.4708**	**4.1400e-003**	**0.4412**	**2.8300e-003**	**0.4440**	**0.1170**	**2.6100e-003**	**0.1196**		**412.5008**	**412.5008**	**9.5300e-003**		**412.7391**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	7.7107					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690
Total	**7.9024**	**1.3030**	**1.8111**	**2.9700e-003**		**0.0708**	**0.0708**		**0.0708**	**0.0708**	**0.0000**	**281.4481**	**281.4481**	**0.0168**		**281.8690**

3.7 Architectural Coating - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2028	0.0963	1.4708	4.1400e-003	0.4412	2.8300e-003	0.4440	0.1170	2.6100e-003	0.1196		412.5008	412.5008	9.5300e-003		412.7391
Total	**0.2028**	**0.0963**	**1.4708**	**4.1400e-003**	**0.4412**	**2.8300e-003**	**0.4440**	**0.1170**	**2.6100e-003**	**0.1196**		**412.5008**	**412.5008**	**9.5300e-003**		**412.7391**

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	lb/day										lb/day					
Archit. Coating	7.7107					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443
Total	**7.8915**	**1.2188**	**1.8101**	**2.9700e-003**		**0.0609**	**0.0609**		**0.0609**	**0.0609**		**281.4481**	**281.4481**	**0.0159**		**281.8443**

3.7 Architectural Coating - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1904	0.0871	1.3644	3.9800e-003	0.4412	2.7700e-003	0.4440	0.1170	2.5500e-003	0.1196		396.4445	396.4445	8.6000e-003		396.6595
Total	**0.1904**	**0.0871**	**1.3644**	**3.9800e-003**	**0.4412**	**2.7700e-003**	**0.4440**	**0.1170**	**2.5500e-003**	**0.1196**		**396.4445**	**396.4445**	**8.6000e-003**		**396.6595**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	7.7107					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.8443
Total	**7.8915**	**1.2188**	**1.8101**	**2.9700e-003**		**0.0609**	**0.0609**		**0.0609**	**0.0609**	**0.0000**	**281.4481**	**281.4481**	**0.0159**		**281.8443**

3.7 Architectural Coating - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1904	0.0871	1.3644	3.9800e-003	0.4412	2.7700e-003	0.4440	0.1170	2.5500e-003	0.1196		396.4445	396.4445	8.6000e-003		396.6595
Total	**0.1904**	**0.0871**	**1.3644**	**3.9800e-003**	**0.4412**	**2.7700e-003**	**0.4440**	**0.1170**	**2.5500e-003**	**0.1196**		**396.4445**	**396.4445**	**8.6000e-003**		**396.6595**

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	lb/day										lb/day					
Archit. Coating	7.7107					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	**7.8816**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**		**281.4481**	**281.4481**	**0.0154**		**281.8319**

3.7 Architectural Coating - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1797	0.0791	1.2655	3.8200e-003	0.4412	2.7200e-003	0.4439	0.1170	2.5000e-003	0.1195		380.5514	380.5514	7.8000e-003		380.7463
Total	**0.1797**	**0.0791**	**1.2655**	**3.8200e-003**	**0.4412**	**2.7200e-003**	**0.4439**	**0.1170**	**2.5000e-003**	**0.1195**		**380.5514**	**380.5514**	**7.8000e-003**		**380.7463**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	7.7107					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319
Total	**7.8816**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**	**0.0000**	**281.4481**	**281.4481**	**0.0154**		**281.8319**

3.7 Architectural Coating - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1797	0.0791	1.2655	3.8200e-003	0.4412	2.7200e-003	0.4439	0.1170	2.5000e-003	0.1195		380.5514	380.5514	7.8000e-003		380.7463
Total	**0.1797**	**0.0791**	**1.2655**	**3.8200e-003**	**0.4412**	**2.7200e-003**	**0.4439**	**0.1170**	**2.5000e-003**	**0.1195**		**380.5514**	**380.5514**	**7.8000e-003**		**380.7463**

3.7 Architectural Coating - 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	lb/day										lb/day					
Archit. Coating	7.7107					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	**7.8816**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**		**281.4481**	**281.4481**	**0.0154**		**281.8319**

3.7 Architectural Coating - 2026

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1701	0.0723	1.1796	3.6800e-003	0.4412	2.6400e-003	0.4438	0.1170	2.4300e-003	0.1195		366.4060	366.4060	7.1000e-003		366.5835
Total	**0.1701**	**0.0723**	**1.1796**	**3.6800e-003**	**0.4412**	**2.6400e-003**	**0.4438**	**0.1170**	**2.4300e-003**	**0.1195**		**366.4060**	**366.4060**	**7.1000e-003**		**366.5835**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	7.7107					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319
Total	**7.8816**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**	**0.0000**	**281.4481**	**281.4481**	**0.0154**		**281.8319**

3.7 Architectural Coating - 2026

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1701	0.0723	1.1796	3.6800e-003	0.4412	2.6400e-003	0.4438	0.1170	2.4300e-003	0.1195		366.4060	366.4060	7.1000e-003		366.5835
Total	**0.1701**	**0.0723**	**1.1796**	**3.6800e-003**	**0.4412**	**2.6400e-003**	**0.4438**	**0.1170**	**2.4300e-003**	**0.1195**		**366.4060**	**366.4060**	**7.1000e-003**		**366.5835**

3.7 Architectural Coating - 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	lb/day										lb/day					
Archit. Coating	7.7107					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	**7.8816**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**		**281.4481**	**281.4481**	**0.0154**		**281.8319**

3.7 Architectural Coating - 2027

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1607	0.0662	1.1021	3.5500e-003	0.4412	2.5100e-003	0.4437	0.1170	2.3100e-003	0.1193		353.7601	353.7601	6.4700e-003		353.9219
Total	**0.1607**	**0.0662**	**1.1021**	**3.5500e-003**	**0.4412**	**2.5100e-003**	**0.4437**	**0.1170**	**2.3100e-003**	**0.1193**		**353.7601**	**353.7601**	**6.4700e-003**		**353.9219**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	7.7107					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319
Total	**7.8816**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**	**0.0000**	**281.4481**	**281.4481**	**0.0154**		**281.8319**

3.7 Architectural Coating - 2027

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1607	0.0662	1.1021	3.5500e-003	0.4412	2.5100e-003	0.4437	0.1170	2.3100e-003	0.1193		353.7601	353.7601	6.4700e-003		353.9219
Total	**0.1607**	**0.0662**	**1.1021**	**3.5500e-003**	**0.4412**	**2.5100e-003**	**0.4437**	**0.1170**	**2.3100e-003**	**0.1193**		**353.7601**	**353.7601**	**6.4700e-003**		**353.9219**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Improve Pedestrian Network

Provide Traffic Calming Measures

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	6.2323	20.8176	61.3227	0.2279	22.8107	0.1536	22.9642	6.0924	0.1428	6.2352		23,154.3867	23,154.3867	0.8901		23,176.6400
Unmitigated	6.3250	21.2754	64.0107	0.2391	24.0112	0.1604	24.1716	6.4131	0.1492	6.5622		24,290.2743	24,290.2743	0.9269		24,313.4473

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
Elementary School	94.00	0.00	0.00	141,191	134,132
Other Asphalt Surfaces	0.00	0.00	0.00		
Single Family Housing	3,762.42	4,340.58	3775.56	9,871,543	9,377,966
Total	3,856.42	4,340.58	3,775.56	10,012,734	9,512,097

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	10.00	5.00	6.50	33.00	48.00	19.00	66	28	6
Elementary School	10.00	5.00	6.50	65.00	30.00	5.00	63	25	12
Other Asphalt Surfaces	10.00	5.00	6.50	0.00	0.00	0.00	0	0	0
Single Family Housing	10.00	5.00	6.50	46.50	12.50	41.00	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.574521	0.035271	0.210873	0.107638	0.013399	0.004562	0.018333	0.025065	0.001898	0.001611	0.005555	0.000614	0.000658
Elementary School	0.574521	0.035271	0.210873	0.107638	0.013399	0.004562	0.018333	0.025065	0.001898	0.001611	0.005555	0.000614	0.000658
Other Asphalt Surfaces	0.574521	0.035271	0.210873	0.107638	0.013399	0.004562	0.018333	0.025065	0.001898	0.001611	0.005555	0.000614	0.000658
Single Family Housing	0.574521	0.035271	0.210873	0.107638	0.013399	0.004562	0.018333	0.025065	0.001898	0.001611	0.005555	0.000614	0.000658

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.1809	1.5492	0.6795	9.8700e-003		0.1250	0.1250		0.1250	0.1250		1,973.8948	1,973.8948	0.0378	0.0362	1,985.6246
NaturalGas Unmitigated	0.1809	1.5492	0.6795	9.8700e-003		0.1250	0.1250		0.1250	0.1250		1,973.8948	1,973.8948	0.0378	0.0362	1,985.6246

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
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
Elementary School	498.413	5.3800e-003	0.0489	0.0411	2.9000e-004		3.7100e-003	3.7100e-003		3.7100e-003	3.7100e-003		58.6369	58.6369	1.1200e-003	1.0800e-003	58.9853
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	16279.7	0.1756	1.5003	0.6384	9.5800e-003		0.1213	0.1213		0.1213	0.1213		1,915.2579	1,915.2579	0.0367	0.0351	1,926.6393
Total		**0.1810**	**1.5492**	**0.6795**	**9.8700e-003**		**0.1250**	**0.1250**		**0.1250**	**0.1250**		**1,973.8948**	**1,973.8948**	**0.0378**	**0.0362**	**1,985.6246**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
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
Elementary School	0.498413	5.3800e-003	0.0489	0.0411	2.9000e-004		3.7100e-003	3.7100e-003		3.7100e-003	3.7100e-003		58.6369	58.6369	1.1200e-003	1.0800e-003	58.9853
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	16.2797	0.1756	1.5003	0.6384	9.5800e-003		0.1213	0.1213		0.1213	0.1213		1,915.2579	1,915.2579	0.0367	0.0351	1,926.6393
Total		**0.1810**	**1.5492**	**0.6795**	**9.8700e-003**		**0.1250**	**0.1250**		**0.1250**	**0.1250**		**1,973.8948**	**1,973.8948**	**0.0378**	**0.0362**	**1,985.6246**

6.0 Area Detail

6.1 Mitigation Measures Area

No Hearths Installed

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	21.0798	0.4160	36.1233	1.9100e-003		0.2004	0.2004		0.2004	0.2004	0.0000	65.1131	65.1131	0.0624	0.0000	66.6739
Unmitigated	21.0798	0.4160	36.1233	1.9100e-003		0.2004	0.2004		0.2004	0.2004	0.0000	65.1131	65.1131	0.0624	0.0000	66.6739

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	2.7463					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	17.2476					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.0860	0.4160	36.1233	1.9100e-003		0.2004	0.2004		0.2004	0.2004		65.1131	65.1131	0.0624		66.6739
Total	**21.0798**	**0.4160**	**36.1233**	**1.9100e-003**		**0.2004**	**0.2004**		**0.2004**	**0.2004**	**0.0000**	**65.1131**	**65.1131**	**0.0624**	**0.0000**	**66.6739**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	2.7463					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	17.2476					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.0860	0.4160	36.1233	1.9100e-003		0.2004	0.2004		0.2004	0.2004		65.1131	65.1131	0.0624		66.6739
Total	**21.0798**	**0.4160**	**36.1233**	**1.9100e-003**		**0.2004**	**0.2004**		**0.2004**	**0.2004**	**0.0000**	**65.1131**	**65.1131**	**0.0624**	**0.0000**	**66.6739**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Simmerhorn Ranch

Sacramento Metropolitan AQMD Air District, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Elementary School	200.00	Student	10.10	16,720.67	0
Other Asphalt Surfaces	9.03	1000sqft	0.21	9,025.00	0
City Park	6.60	Acre	6.60	287,496.00	0
Single Family Housing	438.00	Dwelling Unit	91.50	788,400.00	1169

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	3.5	**Precipitation Freq (Days)**	58
Climate Zone	6			**Operational Year**	2028
Utility Company	Sacramento Municipal Utility District				
CO2 Intensity (lb/MWhr)	298.37	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Simmerhorn Ranch - Sacramento Metropolitan AQMD Air District, Winter

Project Characteristics - CO2 intensity factor updated to reflect SMUD's projected RPS standards.

Land Use - Lot acreages updated per the preliminary site plans from September 2019 and information provided by the project applicant.

Construction Phase - Total days updated per the tentative schedule provided by the project applicant on the submitted air quality questionnaire.

Demolition -

Grading - Total acres graded updated per applicant-provided information.

Vehicle Trips - Updated weekday trip rates updated per the GHD Traffic Impact Study prepared for the proposed project. City park trip generation rate is set to zero because the applicant intends that all park visitors will access the site by foot.

Woodstoves - Applicant indicated that the proposed residents would have a natural gas fireplace.

Energy Use - Title 24 electricity and natural gas energy intensities are adjusted to comply with the 2019 CBSC.

Mobile Land Use Mitigation -

Area Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	200.00	10.00
tblConstructionPhase	NumDays	120.00	20.00
tblConstructionPhase	NumDays	310.00	40.00
tblConstructionPhase	NumDays	220.00	200.00
tblConstructionPhase	NumDays	3,100.00	1,300.00
tblConstructionPhase	NumDays	220.00	1,300.00
tblConstructionPhase	PhaseEndDate	9/4/2020	12/13/2019
tblConstructionPhase	PhaseEndDate	2/19/2021	5/12/2021
tblConstructionPhase	PhaseEndDate	4/29/2022	7/7/2021
tblConstructionPhase	PhaseEndDate	1/19/2035	4/13/2022
tblConstructionPhase	PhaseEndDate	3/17/2034	4/7/2027
tblConstructionPhase	PhaseEndDate	11/23/2035	4/21/2027
tblConstructionPhase	PhaseStartDate	9/5/2020	4/15/2021
tblConstructionPhase	PhaseStartDate	2/20/2021	5/13/2021
tblConstructionPhase	PhaseStartDate	3/18/2034	7/8/2021

tblConstructionPhase	PhaseStartDate	4/30/2022	4/14/2022
tblConstructionPhase	PhaseStartDate	1/20/2035	4/28/2022
tblEnergyUse	T24E	2.05	1.44
tblEnergyUse	T24E	678.97	319.12
tblEnergyUse	T24NG	14.60	10.22
tblEnergyUse	T24NG	23,147.69	10,879.41
tblFireplaces	NumberGas	0.00	438.00
tblFireplaces	NumberNoFireplace	438.00	0.00
tblGrading	AcresOfGrading	100.00	119.00
tblLandUse	LandUseSquareFeet	9,030.00	9,025.00
tblLandUse	LotAcreage	0.38	10.10
tblLandUse	LotAcreage	142.21	91.50
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblProjectCharacteristics	CO2IntensityFactor	590.31	298.37
tblTripsAndVMT	WorkerTripNumber	28.00	18.00
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	1.29	0.47
tblVehicleTrips	WD_TR	9.52	8.59

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2019	5.8212	62.9517	37.5542	0.0754	4.5587	3.0330	7.5917	0.7446	2.8096	3.5541	0.0000	7,559.4850	7,559.4850	1.8176	0.0000	7,604.9249
2021	4.2650	46.4505	31.3888	0.0634	18.2032	2.0454	20.2486	9.9670	1.8818	11.8488	0.0000	6,141.6763	6,141.6763	1.9464	0.0000	6,190.3360
2022	11.1170	27.3099	28.9847	0.0759	3.2293	0.9333	4.1625	0.8698	0.8830	1.7528	0.0000	7,562.4125	7,562.4125	0.8335	0.0000	7,583.2490
2023	10.8334	24.4167	27.8635	0.0746	3.2292	0.7996	4.0288	0.8698	0.7564	1.6263	0.0000	7,433.1079	7,433.1079	0.8066	0.0000	7,453.2717
2024	10.6446	23.1697	27.0691	0.0736	3.2291	0.7023	3.9314	0.8698	0.6640	1.5338	0.0000	7,335.4058	7,335.4058	0.7955	0.0000	7,355.2930
2025	10.4638	21.9174	26.3522	0.0726	3.2291	0.6062	3.8352	0.8698	0.5731	1.4429	0.0000	7,239.3320	7,239.3320	0.7858	0.0000	7,258.9764
2026	10.4052	21.7284	25.8074	0.0717	3.2290	0.6051	3.8341	0.8698	0.5721	1.4419	0.0000	7,152.2520	7,152.2520	0.7807	0.0000	7,171.7691
2027	10.3484	21.5557	25.3189	0.0709	3.2290	0.6038	3.8328	0.8697	0.5709	1.4406	0.0000	7,073.6872	7,073.6872	0.7760	0.0000	7,093.0869
Maximum	**11.1170**	**62.9517**	**37.5542**	**0.0759**	**18.2032**	**3.0330**	**20.2486**	**9.9670**	**2.8096**	**11.8488**	**0.0000**	**7,562.4125**	**7,562.4125**	**1.9464**	**0.0000**	**7,604.9249**

2.1 Overall Construction (Maximum Daily Emission)

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2019	5.8212	62.9517	37.5542	0.0754	4.5587	3.0330	7.5917	0.7446	2.8096	3.5541	0.0000	7,559.4850	7,559.4850	1.8176	0.0000	7,604.9249
2021	4.2650	46.4505	31.3888	0.0634	18.2032	2.0454	20.2486	9.9670	1.8818	11.8488	0.0000	6,141.6763	6,141.6763	1.9464	0.0000	6,190.3360
2022	11.1170	27.3099	28.9847	0.0759	3.2293	0.9333	4.1625	0.8698	0.8830	1.7528	0.0000	7,562.4125	7,562.4125	0.8335	0.0000	7,583.2490
2023	10.8334	24.4167	27.8635	0.0746	3.2292	0.7996	4.0288	0.8698	0.7564	1.6263	0.0000	7,433.1079	7,433.1079	0.8066	0.0000	7,453.2717
2024	10.6446	23.1697	27.0691	0.0736	3.2291	0.7023	3.9314	0.8698	0.6640	1.5338	0.0000	7,335.4058	7,335.4058	0.7955	0.0000	7,355.2930
2025	10.4638	21.9174	26.3522	0.0726	3.2291	0.6062	3.8352	0.8698	0.5731	1.4429	0.0000	7,239.3320	7,239.3320	0.7858	0.0000	7,258.9764
2026	10.4052	21.7284	25.8074	0.0717	3.2290	0.6051	3.8341	0.8698	0.5721	1.4419	0.0000	7,152.2520	7,152.2520	0.7807	0.0000	7,171.7691
2027	10.3484	21.5557	25.3189	0.0709	3.2290	0.6038	3.8328	0.8697	0.5709	1.4406	0.0000	7,073.6872	7,073.6872	0.7760	0.0000	7,093.0869
Maximum	**11.1170**	**62.9517**	**37.5542**	**0.0759**	**18.2032**	**3.0330**	**20.2486**	**9.9670**	**2.8096**	**11.8488**	**0.0000**	**7,562.4125**	**7,562.4125**	**1.9464**	**0.0000**	**7,604.9249**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	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**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	21.0798	0.4160	36.1233	1.9100e-003		0.2004	0.2004		0.2004	0.2004	0.0000	65.1131	65.1131	0.0624	0.0000	66.6739
Energy	0.1809	1.5492	0.6795	9.8700e-003		0.1250	0.1250		0.1250	0.1250		1,973.8948	1,973.8948	0.0378	0.0362	1,985.6246
Mobile	4.6085	22.4185	58.2738	0.2164	24.0112	0.1617	24.1729	6.4131	0.1503	6.5634		22,023.6272	22,023.6272	0.9290		22,046.8524
Total	**25.8693**	**24.3837**	**95.0765**	**0.2282**	**24.0112**	**0.4871**	**24.4983**	**6.4131**	**0.4757**	**6.8888**	**0.0000**	**24,062.6351**	**24,062.6351**	**1.0293**	**0.0362**	**24,099.1509**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	21.0798	0.4160	36.1233	1.9100e-003		0.2004	0.2004		0.2004	0.2004	0.0000	65.1131	65.1131	0.0624	0.0000	66.6739
Energy	0.1809	1.5492	0.6795	9.8700e-003		0.1250	0.1250		0.1250	0.1250		1,973.8948	1,973.8948	0.0378	0.0362	1,985.6246
Mobile	4.5186	21.8967	56.1128	0.2063	22.8107	0.1548	22.9654	6.0924	0.1440	6.2364		20,994.1407	20,994.1407	0.8941		21,016.4933
Total	**25.7794**	**23.8619**	**92.9156**	**0.2181**	**22.8107**	**0.4802**	**23.2908**	**6.0924**	**0.4694**	**6.5618**	**0.0000**	**23,033.1486**	**23,033.1486**	**0.9944**	**0.0362**	**23,068.7918**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.35**	**2.14**	**2.27**	**4.43**	**5.00**	**1.41**	**4.93**	**5.00**	**1.34**	**4.75**	**0.00**	**4.28**	**4.28**	**3.39**	**0.00**	**4.28**

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	12/1/2019	12/13/2019	5	10	
2	Site Prep	Site Preparation	4/15/2021	5/12/2021	5	20	
3	Grading	Grading	5/13/2021	7/7/2021	5	40	
4	Building Construction	Building Construction	4/14/2022	4/7/2027	5	1300	
5	Paving	Paving	7/8/2021	4/13/2022	5	200	
6	Architectural Coating	Architectural Coating	4/28/2022	4/21/2027	5	1300	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 119

Acres of Paving: 0.21

Residential Indoor: 1,596,510; Residential Outdoor: 532,170; Non-Residential Indoor: 25,081; Non-Residential Outdoor: 8,360; Striped Parking Area: 542 (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	3	8.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Site Prep	Rubber Tired Dozers	3	8.00	247	0.40
Site Prep	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	11	18.00	0.00	182.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Site Prep	7	18.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	289.00	98.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	58.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.1050	0.0000	4.1050	0.6216	0.0000	0.6216			0.0000			0.0000
Off-Road	5.5792	57.2069	35.5548	0.0598		3.0078	3.0078		2.7855	2.7855		5,892.4953	5,892.4953	1.7185		5,935.4584
Total	**5.5792**	**57.2069**	**35.5548**	**0.0598**	**4.1050**	**3.0078**	**7.1128**	**0.6216**	**2.7855**	**3.4071**		**5,892.4953**	**5,892.4953**	**1.7185**		**5,935.4584**

3.2 Demolition - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1644	5.6876	1.4402	0.0144	0.3167	0.0242	0.3409	0.0867	0.0232	0.1098		1,537.5697	1,537.5697	0.0950		1,539.9438
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0776	0.0573	0.5591	1.3000e-003	0.1369	9.8000e-004	0.1379	0.0363	9.0000e-004	0.0372		129.4200	129.4200	4.1100e-003		129.5227
Total	**0.2420**	**5.7448**	**1.9994**	**0.0157**	**0.4536**	**0.0252**	**0.4788**	**0.1230**	**0.0241**	**0.1471**		**1,666.9897**	**1,666.9897**	**0.0991**		**1,669.4665**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.1050	0.0000	4.1050	0.6216	0.0000	0.6216			0.0000			0.0000
Off-Road	5.5792	57.2069	35.5548	0.0598		3.0078	3.0078		2.7855	2.7855	0.0000	5,892.4953	5,892.4953	1.7185		5,935.4584
Total	**5.5792**	**57.2069**	**35.5548**	**0.0598**	**4.1050**	**3.0078**	**7.1128**	**0.6216**	**2.7855**	**3.4071**	**0.0000**	**5,892.4953**	**5,892.4953**	**1.7185**		**5,935.4584**

3.2 Demolition - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1644	5.6876	1.4402	0.0144	0.3167	0.0242	0.3409	0.0867	0.0232	0.1098		1,537.5697	1,537.5697	0.0950		1,539.9438
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0776	0.0573	0.5591	1.3000e-003	0.1369	9.8000e-004	0.1379	0.0363	9.0000e-004	0.0372		129.4200	129.4200	4.1100e-003		129.5227
Total	**0.2420**	**5.7448**	**1.9994**	**0.0157**	**0.4536**	**0.0252**	**0.4788**	**0.1230**	**0.0241**	**0.1471**		**1,666.9897**	**1,666.9897**	**0.0991**		**1,669.4665**

3.3 Site Prep - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	3.8882	40.4971	21.1543	0.0380		2.0445	2.0445		1.8809	1.8809		3,685.6569	3,685.6569	1.1920		3,715.4573
Total	**3.8882**	**40.4971**	**21.1543**	**0.0380**	**18.0663**	**2.0445**	**20.1107**	**9.9307**	**1.8809**	**11.8116**		**3,685.6569**	**3,685.6569**	**1.1920**		**3,715.4573**

3.3 Site Prep - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0664	0.0456	0.4593	1.2200e-003	0.1369	9.2000e-004	0.1379	0.0363	8.5000e-004	0.0372		121.1696	121.1696	3.2300e-003		121.2503
Total	**0.0664**	**0.0456**	**0.4593**	**1.2200e-003**	**0.1369**	**9.2000e-004**	**0.1379**	**0.0363**	**8.5000e-004**	**0.0372**		**121.1696**	**121.1696**	**3.2300e-003**		**121.2503**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	3.8882	40.4971	21.1543	0.0380		2.0445	2.0445		1.8809	1.8809	0.0000	3,685.6569	3,685.6569	1.1920		3,715.4573
Total	**3.8882**	**40.4971**	**21.1543**	**0.0380**	**18.0663**	**2.0445**	**20.1107**	**9.9307**	**1.8809**	**11.8116**	**0.0000**	**3,685.6569**	**3,685.6569**	**1.1920**		**3,715.4573**

3.3 Site Prep - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0664	0.0456	0.4593	1.2200e-003	0.1369	9.2000e-004	0.1379	0.0363	8.5000e-004	0.0372		121.1696	121.1696	3.2300e-003		121.2503
Total	**0.0664**	**0.0456**	**0.4593**	**1.2200e-003**	**0.1369**	**9.2000e-004**	**0.1379**	**0.0363**	**8.5000e-004**	**0.0372**		**121.1696**	**121.1696**	**3.2300e-003**		**121.2503**

3.4 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					9.1771	0.0000	9.1771	3.6509	0.0000	3.6509			0.0000			0.0000
Off-Road	4.1912	46.3998	30.8785	0.0620		1.9853	1.9853		1.8265	1.8265		6,007.0434	6,007.0434	1.9428		6,055.6134
Total	**4.1912**	**46.3998**	**30.8785**	**0.0620**	**9.1771**	**1.9853**	**11.1624**	**3.6509**	**1.8265**	**5.4774**		**6,007.0434**	**6,007.0434**	**1.9428**		**6,055.6134**

3.4 Grading - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0738	0.0507	0.5103	1.3500e-003	0.1521	1.0300e-003	0.1532	0.0404	9.5000e-004	0.0413		134.6329	134.6329	3.5900e-003		134.7226
Total	**0.0738**	**0.0507**	**0.5103**	**1.3500e-003**	**0.1521**	**1.0300e-003**	**0.1532**	**0.0404**	**9.5000e-004**	**0.0413**		**134.6329**	**134.6329**	**3.5900e-003**		**134.7226**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					9.1771	0.0000	9.1771	3.6509	0.0000	3.6509			0.0000			0.0000
Off-Road	4.1912	46.3998	30.8785	0.0620		1.9853	1.9853		1.8265	1.8265	0.0000	6,007.0434	6,007.0434	1.9428		6,055.6134
Total	**4.1912**	**46.3998**	**30.8785**	**0.0620**	**9.1771**	**1.9853**	**11.1624**	**3.6509**	**1.8265**	**5.4774**	**0.0000**	**6,007.0434**	**6,007.0434**	**1.9428**		**6,055.6134**

3.4 Grading - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0738	0.0507	0.5103	1.3500e-003	0.1521	1.0300e-003	0.1532	0.0404	9.5000e-004	0.0413		134.6329	134.6329	3.5900e-003		134.7226
Total	**0.0738**	**0.0507**	**0.5103**	**1.3500e-003**	**0.1521**	**1.0300e-003**	**0.1532**	**0.0404**	**9.5000e-004**	**0.0413**		**134.6329**	**134.6329**	**3.5900e-003**		**134.7226**

3.5 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322
Total	**1.7062**	**15.6156**	**16.3634**	**0.0269**		**0.8090**	**0.8090**		**0.7612**	**0.7612**		**2,554.3336**	**2,554.3336**	**0.6120**		**2,569.6322**

3.5 Building Construction - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2978	9.4953	2.6884	0.0234	0.5896	0.0252	0.6148	0.1697	0.0241	0.1938		2,474.3872	2,474.3872	0.1474		2,478.0712
Worker	0.9975	0.6584	6.7622	0.0188	2.1984	0.0145	2.2129	0.5832	0.0133	0.5965		1,875.7879	1,875.7879	0.0465		1,876.9504
Total	**1.2953**	**10.1537**	**9.4506**	**0.0422**	**2.7880**	**0.0397**	**2.8277**	**0.7528**	**0.0374**	**0.7902**		**4,350.1751**	**4,350.1751**	**0.1939**		**4,355.0216**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322
Total	**1.7062**	**15.6156**	**16.3634**	**0.0269**		**0.8090**	**0.8090**		**0.7612**	**0.7612**	**0.0000**	**2,554.3336**	**2,554.3336**	**0.6120**		**2,569.6322**

3.5 Building Construction - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2978	9.4953	2.6884	0.0234	0.5896	0.0252	0.6148	0.1697	0.0241	0.1938		2,474.3872	2,474.3872	0.1474		2,478.0712
Worker	0.9975	0.6584	6.7622	0.0188	2.1984	0.0145	2.2129	0.5832	0.0133	0.5965		1,875.7879	1,875.7879	0.0465		1,876.9504
Total	**1.2953**	**10.1537**	**9.4506**	**0.0422**	**2.7880**	**0.0397**	**2.8277**	**0.7528**	**0.0374**	**0.7902**		**4,350.1751**	**4,350.1751**	**0.1939**		**4,355.0216**

3.5 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061
Total	**1.5728**	**14.3849**	**16.2440**	**0.0269**		**0.6997**	**0.6997**		**0.6584**	**0.6584**		**2,555.2099**	**2,555.2099**	**0.6079**		**2,570.4061**

3.5 Building Construction - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2360	8.0178	2.3692	0.0229	0.5896	0.0121	0.6017	0.1696	0.0116	0.1812		2,428.7510	2,428.7510	0.1319		2,432.0496
Worker	0.9347	0.5922	6.1958	0.0181	2.1984	0.0141	2.2125	0.5832	0.0130	0.5961		1,805.3746	1,805.3746	0.0416		1,806.4141
Total	**1.1707**	**8.6100**	**8.5650**	**0.0410**	**2.7880**	**0.0262**	**2.8142**	**0.7528**	**0.0246**	**0.7774**		**4,234.1256**	**4,234.1256**	**0.1735**		**4,238.4637**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061
Total	**1.5728**	**14.3849**	**16.2440**	**0.0269**		**0.6997**	**0.6997**		**0.6584**	**0.6584**	**0.0000**	**2,555.2099**	**2,555.2099**	**0.6079**		**2,570.4061**

3.5 Building Construction - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2360	8.0178	2.3692	0.0229	0.5896	0.0121	0.6017	0.1696	0.0116	0.1812		2,428.7510	2,428.7510	0.1319		2,432.0496
Worker	0.9347	0.5922	6.1958	0.0181	2.1984	0.0141	2.2125	0.5832	0.0130	0.5961		1,805.3746	1,805.3746	0.0416		1,806.4141
Total	**1.1707**	**8.6100**	**8.5650**	**0.0410**	**2.7880**	**0.0262**	**2.8142**	**0.7528**	**0.0246**	**0.7774**		**4,234.1256**	**4,234.1256**	**0.1735**		**4,238.4637**

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	lb/day										lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077
Total	**1.4716**	**13.4438**	**16.1668**	**0.0270**		**0.6133**	**0.6133**		**0.5769**	**0.5769**		**2,555.6989**	**2,555.6989**	**0.6044**		**2,570.8077**

3.5 Building Construction - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2247	7.8645	2.2141	0.0228	0.5895	0.0115	0.6010	0.1696	0.0110	0.1806		2,414.7916	2,414.7916	0.1303		2,418.0501
Worker	0.8801	0.5352	5.7284	0.0174	2.1984	0.0138	2.2122	0.5832	0.0127	0.5959		1,735.2220	1,735.2220	0.0374		1,736.1579
Total	**1.1049**	**8.3997**	**7.9425**	**0.0402**	**2.7879**	**0.0253**	**2.8132**	**0.7528**	**0.0237**	**0.7764**		**4,150.0136**	**4,150.0136**	**0.1678**		**4,154.2080**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077
Total	**1.4716**	**13.4438**	**16.1668**	**0.0270**		**0.6133**	**0.6133**		**0.5769**	**0.5769**	**0.0000**	**2,555.6989**	**2,555.6989**	**0.6044**		**2,570.8077**

3.5 Building Construction - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2247	7.8645	2.2141	0.0228	0.5895	0.0115	0.6010	0.1696	0.0110	0.1806		2,414.7916	2,414.7916	0.1303		2,418.0501
Worker	0.8801	0.5352	5.7284	0.0174	2.1984	0.0138	2.2122	0.5832	0.0127	0.5959		1,735.2220	1,735.2220	0.0374		1,736.1579
Total	**1.1049**	**8.3997**	**7.9425**	**0.0402**	**2.7879**	**0.0253**	**2.8132**	**0.7528**	**0.0237**	**0.7764**		**4,150.0136**	**4,150.0136**	**0.1678**		**4,154.2080**

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	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**		**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

3.5 Building Construction - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2154	7.7188	2.0954	0.0226	0.5895	0.0109	0.6003	0.1696	0.0104	0.1800		2,401.3241	2,401.3241	0.1288		2,404.5440
Worker	0.8324	0.4860	5.2994	0.0167	2.1984	0.0135	2.2120	0.5832	0.0125	0.5956		1,665.7773	1,665.7773	0.0339		1,666.6243
Total	**1.0478**	**8.2047**	**7.3948**	**0.0393**	**2.7879**	**0.0244**	**2.8123**	**0.7528**	**0.0228**	**0.7756**		**4,067.1014**	**4,067.1014**	**0.1627**		**4,071.1683**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**	**0.0000**	**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

3.5 Building Construction - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2154	7.7188	2.0954	0.0226	0.5895	0.0109	0.6003	0.1696	0.0104	0.1800		2,401.3241	2,401.3241	0.1288		2,404.5440
Worker	0.8324	0.4860	5.2994	0.0167	2.1984	0.0135	2.2120	0.5832	0.0125	0.5956		1,665.7773	1,665.7773	0.0339		1,666.6243
Total	**1.0478**	**8.2047**	**7.3948**	**0.0393**	**2.7879**	**0.0244**	**2.8123**	**0.7528**	**0.0228**	**0.7756**		**4,067.1014**	**4,067.1014**	**0.1627**		**4,071.1683**

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	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**		**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

3.5 Building Construction - 2026

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2071	7.5802	1.9986	0.0225	0.5894	0.0102	0.5996	0.1696	9.7900e-003	0.1794		2,388.5449	2,388.5449	0.1274		2,391.7299
Worker	0.7904	0.4439	4.9264	0.0161	2.1984	0.0131	2.2116	0.5832	0.0121	0.5953		1,603.8956	1,603.8956	0.0308		1,604.6656
Total	**0.9976**	**8.0242**	**6.9249**	**0.0386**	**2.7878**	**0.0234**	**2.8112**	**0.7527**	**0.0219**	**0.7746**		**3,992.4405**	**3,992.4405**	**0.1582**		**3,996.3955**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**	**0.0000**	**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

3.5 Building Construction - 2026

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2071	7.5802	1.9986	0.0225	0.5894	0.0102	0.5996	0.1696	9.7900e-003	0.1794		2,388.5449	2,388.5449	0.1274		2,391.7299
Worker	0.7904	0.4439	4.9264	0.0161	2.1984	0.0131	2.2116	0.5832	0.0121	0.5953		1,603.8956	1,603.8956	0.0308		1,604.6656
Total	**0.9976**	**8.0242**	**6.9249**	**0.0386**	**2.7878**	**0.0234**	**2.8112**	**0.7527**	**0.0219**	**0.7746**		**3,992.4405**	**3,992.4405**	**0.1582**		**3,996.3955**

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	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**		**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

3.5 Building Construction - 2027

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1999	7.4529	1.9143	0.0224	0.5894	9.7100e-003	0.5991	0.1696	9.2900e-003	0.1789		2,376.5206	2,376.5206	0.1260		2,379.6715
Worker	0.7492	0.4062	4.5897	0.0155	2.1984	0.0125	2.2109	0.5832	0.0115	0.5947		1,548.4772	1,548.4772	0.0280		1,549.1778
Total	**0.9491**	**7.8590**	**6.5040**	**0.0379**	**2.7878**	**0.0222**	**2.8100**	**0.7527**	**0.0208**	**0.7735**		**3,924.9977**	**3,924.9977**	**0.1541**		**3,928.8494**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**	**0.0000**	**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

3.5 Building Construction - 2027

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1999	7.4529	1.9143	0.0224	0.5894	9.7100e-003	0.5991	0.1696	9.2900e-003	0.1789		2,376.5206	2,376.5206	0.1260		2,379.6715
Worker	0.7492	0.4062	4.5897	0.0155	2.1984	0.0125	2.2109	0.5832	0.0115	0.5947		1,548.4772	1,548.4772	0.0280		1,549.1778
Total	**0.9491**	**7.8590**	**6.5040**	**0.0379**	**2.7878**	**0.0222**	**2.8100**	**0.7527**	**0.0208**	**0.7735**		**3,924.9977**	**3,924.9977**	**0.1541**		**3,928.8494**

3.6 Paving - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235		2,207.2109	2,207.2109	0.7139		2,225.0573
Paving	2.7500e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.2583**	**12.9191**	**14.6532**	**0.0228**		**0.6777**	**0.6777**		**0.6235**	**0.6235**		**2,207.2109**	**2,207.2109**	**0.7139**		**2,225.0573**

3.6 Paving - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0554	0.0380	0.3827	1.0100e-003	0.1141	7.7000e-004	0.1149	0.0303	7.1000e-004	0.0310		100.9746	100.9746	2.6900e-003		101.0419
Total	**0.0554**	**0.0380**	**0.3827**	**1.0100e-003**	**0.1141**	**7.7000e-004**	**0.1149**	**0.0303**	**7.1000e-004**	**0.0310**		**100.9746**	**100.9746**	**2.6900e-003**		**101.0419**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235	0.0000	2,207.2109	2,207.2109	0.7139		2,225.0573
Paving	2.7500e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.2583**	**12.9191**	**14.6532**	**0.0228**		**0.6777**	**0.6777**		**0.6235**	**0.6235**	**0.0000**	**2,207.2109**	**2,207.2109**	**0.7139**		**2,225.0573**

3.6 Paving - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0554	0.0380	0.3827	1.0100e-003	0.1141	7.7000e-004	0.1149	0.0303	7.1000e-004	0.0310		100.9746	100.9746	2.6900e-003		101.0419
Total	**0.0554**	**0.0380**	**0.3827**	**1.0100e-003**	**0.1141**	**7.7000e-004**	**0.1149**	**0.0303**	**7.1000e-004**	**0.0310**		**100.9746**	**100.9746**	**2.6900e-003**		**101.0419**

3.6 Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225		2,207.6603	2,207.6603	0.7140		2,225.5104
Paving	2.7500e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.1056**	**11.1249**	**14.5805**	**0.0228**		**0.5679**	**0.5679**		**0.5225**	**0.5225**		**2,207.6603**	**2,207.6603**	**0.7140**		**2,225.5104**

3.6 Paving - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0518	0.0342	0.3510	9.8000e-004	0.1141	7.5000e-004	0.1149	0.0303	6.9000e-004	0.0310		97.3592	97.3592	2.4100e-003		97.4196
Total	**0.0518**	**0.0342**	**0.3510**	**9.8000e-004**	**0.1141**	**7.5000e-004**	**0.1149**	**0.0303**	**6.9000e-004**	**0.0310**		**97.3592**	**97.3592**	**2.4100e-003**		**97.4196**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225	0.0000	2,207.6603	2,207.6603	0.7140		2,225.5104
Paving	2.7500e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.1056**	**11.1249**	**14.5805**	**0.0228**		**0.5679**	**0.5679**		**0.5225**	**0.5225**	**0.0000**	**2,207.6603**	**2,207.6603**	**0.7140**		**2,225.5104**

3.6 Paving - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0518	0.0342	0.3510	9.8000e-004	0.1141	7.5000e-004	0.1149	0.0303	6.9000e-004	0.0310		97.3592	97.3592	2.4100e-003		97.4196
Total	**0.0518**	**0.0342**	**0.3510**	**9.8000e-004**	**0.1141**	**7.5000e-004**	**0.1149**	**0.0303**	**6.9000e-004**	**0.0310**		**97.3592**	**97.3592**	**2.4100e-003**		**97.4196**

3.7 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	7.7107					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
Total	**7.9153**	**1.4085**	**1.8136**	**2.9700e-003**		**0.0817**	**0.0817**		**0.0817**	**0.0817**		**281.4481**	**281.4481**	**0.0183**		**281.9062**

3.7 Architectural Coating - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2002	0.1321	1.3571	3.7800e-003	0.4412	2.9000e-003	0.4441	0.1170	2.6700e-003	0.1197		376.4557	376.4557	9.3300e-003		376.6890
Total	**0.2002**	**0.1321**	**1.3571**	**3.7800e-003**	**0.4412**	**2.9000e-003**	**0.4441**	**0.1170**	**2.6700e-003**	**0.1197**		**376.4557**	**376.4557**	**9.3300e-003**		**376.6890**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	7.7107					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062
Total	**7.9153**	**1.4085**	**1.8136**	**2.9700e-003**		**0.0817**	**0.0817**		**0.0817**	**0.0817**	**0.0000**	**281.4481**	**281.4481**	**0.0183**		**281.9062**

3.7 Architectural Coating - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2002	0.1321	1.3571	3.7800e-003	0.4412	2.9000e-003	0.4441	0.1170	2.6700e-003	0.1197		376.4557	376.4557	9.3300e-003		376.6890
Total	**0.2002**	**0.1321**	**1.3571**	**3.7800e-003**	**0.4412**	**2.9000e-003**	**0.4441**	**0.1170**	**2.6700e-003**	**0.1197**		**376.4557**	**376.4557**	**9.3300e-003**		**376.6890**

3.7 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	7.7107					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690
Total	**7.9024**	**1.3030**	**1.8111**	**2.9700e-003**		**0.0708**	**0.0708**		**0.0708**	**0.0708**		**281.4481**	**281.4481**	**0.0168**		**281.8690**

3.7 Architectural Coating - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1876	0.1189	1.2434	3.6400e-003	0.4412	2.8300e-003	0.4440	0.1170	2.6100e-003	0.1196		362.3243	362.3243	8.3400e-003		362.5329
Total	**0.1876**	**0.1189**	**1.2434**	**3.6400e-003**	**0.4412**	**2.8300e-003**	**0.4440**	**0.1170**	**2.6100e-003**	**0.1196**		**362.3243**	**362.3243**	**8.3400e-003**		**362.5329**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	7.7107					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690
Total	**7.9024**	**1.3030**	**1.8111**	**2.9700e-003**		**0.0708**	**0.0708**		**0.0708**	**0.0708**	**0.0000**	**281.4481**	**281.4481**	**0.0168**		**281.8690**

3.7 Architectural Coating - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1876	0.1189	1.2434	3.6400e-003	0.4412	2.8300e-003	0.4440	0.1170	2.6100e-003	0.1196		362.3243	362.3243	8.3400e-003		362.5329
Total	**0.1876**	**0.1189**	**1.2434**	**3.6400e-003**	**0.4412**	**2.8300e-003**	**0.4440**	**0.1170**	**2.6100e-003**	**0.1196**		**362.3243**	**362.3243**	**8.3400e-003**		**362.5329**

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	lb/day										lb/day					
Archit. Coating	7.7107					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443
Total	**7.8915**	**1.2188**	**1.8101**	**2.9700e-003**		**0.0609**	**0.0609**		**0.0609**	**0.0609**		**281.4481**	**281.4481**	**0.0159**		**281.8443**

3.7 Architectural Coating - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1766	0.1074	1.1496	3.4900e-003	0.4412	2.7700e-003	0.4440	0.1170	2.5500e-003	0.1196		348.2453	348.2453	7.5100e-003		348.4331
Total	**0.1766**	**0.1074**	**1.1496**	**3.4900e-003**	**0.4412**	**2.7700e-003**	**0.4440**	**0.1170**	**2.5500e-003**	**0.1196**		**348.2453**	**348.2453**	**7.5100e-003**		**348.4331**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	7.7107					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.8443
Total	**7.8915**	**1.2188**	**1.8101**	**2.9700e-003**		**0.0609**	**0.0609**		**0.0609**	**0.0609**	**0.0000**	**281.4481**	**281.4481**	**0.0159**		**281.8443**

3.7 Architectural Coating - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1766	0.1074	1.1496	3.4900e-003	0.4412	2.7700e-003	0.4440	0.1170	2.5500e-003	0.1196		348.2453	348.2453	7.5100e-003		348.4331
Total	**0.1766**	**0.1074**	**1.1496**	**3.4900e-003**	**0.4412**	**2.7700e-003**	**0.4440**	**0.1170**	**2.5500e-003**	**0.1196**		**348.2453**	**348.2453**	**7.5100e-003**		**348.4331**

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	lb/day										lb/day					
Archit. Coating	7.7107					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	**7.8816**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**		**281.4481**	**281.4481**	**0.0154**		**281.8319**

3.7 Architectural Coating - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1671	0.0975	1.0636	3.3500e-003	0.4412	2.7200e-003	0.4439	0.1170	2.5000e-003	0.1195		334.3083	334.3083	6.8000e-003		334.4782
Total	**0.1671**	**0.0975**	**1.0636**	**3.3500e-003**	**0.4412**	**2.7200e-003**	**0.4439**	**0.1170**	**2.5000e-003**	**0.1195**		**334.3083**	**334.3083**	**6.8000e-003**		**334.4782**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	7.7107					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319
Total	**7.8816**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**	**0.0000**	**281.4481**	**281.4481**	**0.0154**		**281.8319**

3.7 Architectural Coating - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1671	0.0975	1.0636	3.3500e-003	0.4412	2.7200e-003	0.4439	0.1170	2.5000e-003	0.1195		334.3083	334.3083	6.8000e-003		334.4782
Total	**0.1671**	**0.0975**	**1.0636**	**3.3500e-003**	**0.4412**	**2.7200e-003**	**0.4439**	**0.1170**	**2.5000e-003**	**0.1195**		**334.3083**	**334.3083**	**6.8000e-003**		**334.4782**

3.7 Architectural Coating - 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	lb/day										lb/day					
Archit. Coating	7.7107					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	**7.8816**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**		**281.4481**	**281.4481**	**0.0154**		**281.8319**

3.7 Architectural Coating - 2026

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1586	0.0891	0.9887	3.2300e-003	0.4412	2.6400e-003	0.4438	0.1170	2.4300e-003	0.1195		321.8891	321.8891	6.1800e-003		322.0436
Total	**0.1586**	**0.0891**	**0.9887**	**3.2300e-003**	**0.4412**	**2.6400e-003**	**0.4438**	**0.1170**	**2.4300e-003**	**0.1195**		**321.8891**	**321.8891**	**6.1800e-003**		**322.0436**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	7.7107					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319
Total	**7.8816**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**	**0.0000**	**281.4481**	**281.4481**	**0.0154**		**281.8319**

3.7 Architectural Coating - 2026

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1586	0.0891	0.9887	3.2300e-003	0.4412	2.6400e-003	0.4438	0.1170	2.4300e-003	0.1195		321.8891	321.8891	6.1800e-003		322.0436
Total	**0.1586**	**0.0891**	**0.9887**	**3.2300e-003**	**0.4412**	**2.6400e-003**	**0.4438**	**0.1170**	**2.4300e-003**	**0.1195**		**321.8891**	**321.8891**	**6.1800e-003**		**322.0436**

3.7 Architectural Coating - 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	lb/day										lb/day					
Archit. Coating	7.7107					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	**7.8816**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**		**281.4481**	**281.4481**	**0.0154**		**281.8319**

3.7 Architectural Coating - 2027

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1504	0.0815	0.9211	3.1200e-003	0.4412	2.5100e-003	0.4437	0.1170	2.3100e-003	0.1193		310.7670	310.7670	5.6200e-003		310.9077
Total	**0.1504**	**0.0815**	**0.9211**	**3.1200e-003**	**0.4412**	**2.5100e-003**	**0.4437**	**0.1170**	**2.3100e-003**	**0.1193**		**310.7670**	**310.7670**	**5.6200e-003**		**310.9077**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	7.7107					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319
Total	**7.8816**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**	**0.0000**	**281.4481**	**281.4481**	**0.0154**		**281.8319**

3.7 Architectural Coating - 2027

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1504	0.0815	0.9211	3.1200e-003	0.4412	2.5100e-003	0.4437	0.1170	2.3100e-003	0.1193		310.7670	310.7670	5.6200e-003		310.9077
Total	**0.1504**	**0.0815**	**0.9211**	**3.1200e-003**	**0.4412**	**2.5100e-003**	**0.4437**	**0.1170**	**2.3100e-003**	**0.1193**		**310.7670**	**310.7670**	**5.6200e-003**		**310.9077**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Improve Pedestrian Network

Provide Traffic Calming Measures

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	4.5186	21.8967	56.1128	0.2063	22.8107	0.1548	22.9654	6.0924	0.1440	6.2364		20,994.1407	20,994.1407	0.8941		21,016.4933
Unmitigated	4.6085	22.4185	58.2738	0.2164	24.0112	0.1617	24.1729	6.4131	0.1503	6.5634		22,023.6272	22,023.6272	0.9290		22,046.8524

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
Elementary School	94.00	0.00	0.00	141,191	134,132
Other Asphalt Surfaces	0.00	0.00	0.00		
Single Family Housing	3,762.42	4,340.58	3775.56	9,871,543	9,377,966
Total	3,856.42	4,340.58	3,775.56	10,012,734	9,512,097

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	10.00	5.00	6.50	33.00	48.00	19.00	66	28	6
Elementary School	10.00	5.00	6.50	65.00	30.00	5.00	63	25	12
Other Asphalt Surfaces	10.00	5.00	6.50	0.00	0.00	0.00	0	0	0
Single Family Housing	10.00	5.00	6.50	46.50	12.50	41.00	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.574521	0.035271	0.210873	0.107638	0.013399	0.004562	0.018333	0.025065	0.001898	0.001611	0.005555	0.000614	0.000658
Elementary School	0.574521	0.035271	0.210873	0.107638	0.013399	0.004562	0.018333	0.025065	0.001898	0.001611	0.005555	0.000614	0.000658
Other Asphalt Surfaces	0.574521	0.035271	0.210873	0.107638	0.013399	0.004562	0.018333	0.025065	0.001898	0.001611	0.005555	0.000614	0.000658
Single Family Housing	0.574521	0.035271	0.210873	0.107638	0.013399	0.004562	0.018333	0.025065	0.001898	0.001611	0.005555	0.000614	0.000658

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.1809	1.5492	0.6795	9.8700e-003		0.1250	0.1250		0.1250	0.1250		1,973.8948	1,973.8948	0.0378	0.0362	1,985.6246
NaturalGas Unmitigated	0.1809	1.5492	0.6795	9.8700e-003		0.1250	0.1250		0.1250	0.1250		1,973.8948	1,973.8948	0.0378	0.0362	1,985.6246

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
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
Elementary School	498.413	5.3800e-003	0.0489	0.0411	2.9000e-004		3.7100e-003	3.7100e-003		3.7100e-003	3.7100e-003		58.6369	58.6369	1.1200e-003	1.0800e-003	58.9853
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	16279.7	0.1756	1.5003	0.6384	9.5800e-003		0.1213	0.1213		0.1213	0.1213		1,915.2579	1,915.2579	0.0367	0.0351	1,926.6393
Total		**0.1810**	**1.5492**	**0.6795**	**9.8700e-003**		**0.1250**	**0.1250**		**0.1250**	**0.1250**		**1,973.8948**	**1,973.8948**	**0.0378**	**0.0362**	**1,985.6246**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
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
Elementary School	0.498413	5.3800e-003	0.0489	0.0411	2.9000e-004		3.7100e-003	3.7100e-003		3.7100e-003	3.7100e-003		58.6369	58.6369	1.1200e-003	1.0800e-003	58.9853
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	16.2797	0.1756	1.5003	0.6384	9.5800e-003		0.1213	0.1213		0.1213	0.1213		1,915.2579	1,915.2579	0.0367	0.0351	1,926.6393
Total		**0.1810**	**1.5492**	**0.6795**	**9.8700e-003**		**0.1250**	**0.1250**		**0.1250**	**0.1250**		**1,973.8948**	**1,973.8948**	**0.0378**	**0.0362**	**1,985.6246**

6.0 Area Detail

6.1 Mitigation Measures Area

No Hearths Installed

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	21.0798	0.4160	36.1233	1.9100e-003		0.2004	0.2004		0.2004	0.2004	0.0000	65.1131	65.1131	0.0624	0.0000	66.6739
Unmitigated	21.0798	0.4160	36.1233	1.9100e-003		0.2004	0.2004		0.2004	0.2004	0.0000	65.1131	65.1131	0.0624	0.0000	66.6739

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	2.7463					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	17.2476					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.0860	0.4160	36.1233	1.9100e-003		0.2004	0.2004		0.2004	0.2004		65.1131	65.1131	0.0624		66.6739
Total	**21.0798**	**0.4160**	**36.1233**	**1.9100e-003**		**0.2004**	**0.2004**		**0.2004**	**0.2004**	**0.0000**	**65.1131**	**65.1131**	**0.0624**	**0.0000**	**66.6739**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	2.7463					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	17.2476					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.0860	0.4160	36.1233	1.9100e-003		0.2004	0.2004		0.2004	0.2004		65.1131	65.1131	0.0624		66.6739
Total	**21.0798**	**0.4160**	**36.1233**	**1.9100e-003**		**0.2004**	**0.2004**		**0.2004**	**0.2004**	**0.0000**	**65.1131**	**65.1131**	**0.0624**	**0.0000**	**66.6739**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Simmerhorn Ranch

Sacramento Metropolitan AQMD Air District, Mitigation Report

Construction Mitigation Summary

Phase	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Architectural Coating	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Building Construction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Demolition	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Site Prep	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

OFFROAD Equipment Mitigation

Equipment Type	Fuel Type	Tier	Number Mitigated	Total Number of Equipment	DPF	Oxidation Catalyst
Air Compressors	Diesel	No Change	0	1	No Change	0.00
Concrete/Industrial Saws	Diesel	No Change	0	1	No Change	0.00
Cranes	Diesel	No Change	0	1	No Change	0.00
Excavators	Diesel	No Change	0	5	No Change	0.00
Forklifts	Diesel	No Change	0	3	No Change	0.00
Generator Sets	Diesel	No Change	0	1	No Change	0.00
Graders	Diesel	No Change	0	1	No Change	0.00
Pavers	Diesel	No Change	0	2	No Change	0.00
Paving Equipment	Diesel	No Change	0	2	No Change	0.00
Rollers	Diesel	No Change	0	2	No Change	0.00
Rubber Tired Dozers	Diesel	No Change	0	7	No Change	0.00
Scrapers	Diesel	No Change	0	2	No Change	0.00
Tractors/Loaders/Backhoes	Diesel	No Change	0	13	No Change	0.00
Welders	Diesel	No Change	0	1	No Change	0.00

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	Unmitigated tons/yr						Unmitigated mt/yr					
Air Compressors	1.18040E-001	7.97930E-001	1.17672E+000	1.93000E-003	3.99000E-002	3.99000E-002	0.00000E+000	1.65961E+002	1.65961E+002	9.53000E-003	0.00000E+000	1.66200E+002
Concrete/Industrial Saws	2.31000E-003	1.79400E-002	1.85100E-002	3.00000E-005	1.15000E-003	1.15000E-003	0.00000E+000	2.68829E+000	2.68829E+000	1.90000E-004	0.00000E+000	2.69302E+000
Cranes	1.89390E-001	1.99713E+000	1.01589E+000	3.28000E-003	8.38700E-002	7.71600E-002	0.00000E+000	2.88330E+002	2.88330E+002	9.32500E-002	0.00000E+000	2.90662E+002
Excavators	1.30800E-002	1.26360E-001	1.79820E-001	2.80000E-004	6.12000E-003	5.63000E-003	0.00000E+000	2.51059E+001	2.51059E+001	8.07000E-003	0.00000E+000	2.53077E+001
Forklifts	1.85900E-001	1.74303E+000	2.22291E+000	2.98000E-003	1.01630E-001	9.35000E-002	0.00000E+000	2.61868E+002	2.61868E+002	8.46900E-002	0.00000E+000	2.63985E+002
Generator Sets	1.86680E-001	1.66801E+000	2.38207E+000	4.28000E-003	7.31000E-002	7.31000E-002	0.00000E+000	3.67385E+002	3.67385E+002	1.49100E-002	0.00000E+000	3.67758E+002
Graders	9.06000E-003	1.18490E-001	3.53400E-002	1.30000E-004	3.75000E-003	3.45000E-003	0.00000E+000	1.16425E+001	1.16425E+001	3.77000E-003	0.00000E+000	1.17367E+001
Pavers	4.63800E-002	4.82790E-001	5.79430E-001	9.40000E-004	2.32100E-002	2.13500E-002	0.00000E+000	8.25779E+001	8.25779E+001	2.67100E-002	0.00000E+000	8.32456E+001
Paving Equipment	3.74000E-002	3.73260E-001	5.08610E-001	8.10000E-004	1.83600E-002	1.68900E-002	0.00000E+000	7.15697E+001	7.15697E+001	2.31500E-002	0.00000E+000	7.21484E+001
Rollers	3.62000E-002	3.70370E-001	3.74620E-001	5.20000E-004	2.22000E-002	2.04200E-002	0.00000E+000	4.61021E+001	4.61021E+001	1.49100E-002	0.00000E+000	4.64749E+001
Rubber Tired Dozers	6.93400E-002	7.29680E-001	2.66150E-001	5.50000E-004	3.54500E-002	3.26200E-002	0.00000E+000	4.90325E+001	4.90325E+001	1.57800E-002	0.00000E+000	4.94269E+001
Scrapers	3.71800E-002	4.28110E-001	2.80190E-001	6.10000E-004	1.66600E-002	1.53200E-002	0.00000E+000	5.32667E+001	5.32667E+001	1.72300E-002	0.00000E+000	5.36974E+001
Tractors/Loaders/Backhoes	2.63700E-001	2.66736E+000	4.03587E+000	5.63000E-003	1.24870E-001	1.14880E-001	0.00000E+000	4.94545E+002	4.94545E+002	1.59910E-001	0.00000E+000	4.98542E+002
Welders	1.54800E-001	8.98910E-001	1.08270E+000	1.66000E-003	3.14400E-002	3.14400E-002	0.00000E+000	1.22343E+002	1.22343E+002	1.25800E-002	0.00000E+000	1.22658E+002

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	Mitigated tons/yr						Mitigated mt/yr					
Air Compressors	1.18040E-001	7.97930E-001	1.17672E+000	1.93000E-003	3.99000E-002	3.99000E-002	0.00000E+000	1.65961E+002	1.65961E+002	9.53000E-003	0.00000E+000	1.66199E+002
Concrete/Industrial Saws	2.31000E-003	1.79400E-002	1.85100E-002	3.00000E-005	1.15000E-003	1.15000E-003	0.00000E+000	2.68828E+000	2.68828E+000	1.90000E-004	0.00000E+000	2.69301E+000
Cranes	1.89390E-001	1.99713E+000	1.01589E+000	3.28000E-003	8.38700E-002	7.71600E-002	0.00000E+000	2.88330E+002	2.88330E+002	9.32500E-002	0.00000E+000	2.90661E+002
Excavators	1.30800E-002	1.26360E-001	1.79820E-001	2.80000E-004	6.12000E-003	5.63000E-003	0.00000E+000	2.51059E+001	2.51059E+001	8.07000E-003	0.00000E+000	2.53077E+001
Forklifts	1.85900E-001	1.74303E+000	2.22291E+000	2.98000E-003	1.01630E-001	9.35000E-002	0.00000E+000	2.61868E+002	2.61868E+002	8.46900E-002	0.00000E+000	2.63985E+002
Generator Sets	1.86680E-001	1.66800E+000	2.38207E+000	4.28000E-003	7.31000E-002	7.31000E-002	0.00000E+000	3.67384E+002	3.67384E+002	1.49100E-002	0.00000E+000	3.67757E+002
Graders	9.06000E-003	1.18490E-001	3.53400E-002	1.30000E-004	3.75000E-003	3.45000E-003	0.00000E+000	1.16425E+001	1.16425E+001	3.77000E-003	0.00000E+000	1.17366E+001
Pavers	4.63800E-002	4.82790E-001	5.79430E-001	9.40000E-004	2.32100E-002	2.13500E-002	0.00000E+000	8.25778E+001	8.25778E+001	2.67100E-002	0.00000E+000	8.32455E+001
Paving Equipment	3.74000E-002	3.73260E-001	5.08610E-001	8.10000E-004	1.83600E-002	1.68900E-002	0.00000E+000	7.15696E+001	7.15696E+001	2.31500E-002	0.00000E+000	7.21483E+001
Rollers	3.62000E-002	3.70370E-001	3.74620E-001	5.20000E-004	2.22000E-002	2.04200E-002	0.00000E+000	4.61021E+001	4.61021E+001	1.49100E-002	0.00000E+000	4.64748E+001
Rubber Tired Dozers	6.93400E-002	7.29680E-001	2.66150E-001	5.50000E-004	3.54500E-002	3.26200E-002	0.00000E+000	4.90324E+001	4.90324E+001	1.57800E-002	0.00000E+000	4.94268E+001
Scrapers	3.71800E-002	4.28110E-001	2.80190E-001	6.10000E-004	1.66600E-002	1.53200E-002	0.00000E+000	5.32666E+001	5.32666E+001	1.72300E-002	0.00000E+000	5.36973E+001
Tractors/Loaders/Backhoes	2.63700E-001	2.66736E+000	4.03587E+000	5.63000E-003	1.24870E-001	1.14880E-001	0.00000E+000	4.94544E+002	4.94544E+002	1.59910E-001	0.00000E+000	4.98542E+002
Welders	1.54800E-001	8.98910E-001	1.08270E+000	1.66000E-003	3.14400E-002	3.14400E-002	0.00000E+000	1.22343E+002	1.22343E+002	1.25800E-002	0.00000E+000	1.22658E+002

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Air Compressors	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.14484E-006	1.14484E-006	0.00000E+000	0.00000E+000	1.14320E-006
Concrete/Industrial Saws	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	3.71984E-006	3.71984E-006	0.00000E+000	0.00000E+000	3.71330E-006
Cranes	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.17920E-006	1.17920E-006	0.00000E+000	0.00000E+000	1.20415E-006
Excavators	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.19494E-006	1.19494E-006	0.00000E+000	0.00000E+000	1.18541E-006
Forklifts	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.22199E-006	1.22199E-006	0.00000E+000	0.00000E+000	1.17431E-006
Generator Sets	0.00000E+000	5.99517E-006	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.17043E-006	1.17043E-006	0.00000E+000	0.00000E+000	1.19644E-006
Graders	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	8.58921E-007	8.58921E-007	0.00000E+000	0.00000E+000	1.70406E-006
Pavers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.21098E-006	1.21098E-006	0.00000E+000	0.00000E+000	1.20126E-006
Paving Equipment	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.25752E-006	1.25752E-006	0.00000E+000	0.00000E+000	1.24743E-006
Rollers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.08455E-006	1.08455E-006	0.00000E+000	0.00000E+000	1.29102E-006
Rubber Tired Dozers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.22368E-006	1.22368E-006	0.00000E+000	0.00000E+000	1.21391E-006
Scrapers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.31414E-006	1.31414E-006	0.00000E+000	0.00000E+000	1.30360E-006
Tractors/Loaders/Backhoes	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.19302E-006	1.19302E-006	0.00000E+000	0.00000E+000	1.20351E-006
Welders	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.22606E-006	1.22606E-006	0.00000E+000	0.00000E+000	1.22291E-006

Fugitive Dust Mitigation

Yes/No	Mitigation Measure	Mitigation Input		Mitigation Input		Mitigation Input	
No	Soil Stabilizer for unpaved Roads	PM10 Reduction		PM2.5 Reduction			
No	Replace Ground Cover of Area Disturbed	PM10 Reduction		PM2.5 Reduction			
No	Water Exposed Area	PM10 Reduction		PM2.5 Reduction		Frequency (per day)	

No	Unpaved Road Mitigation	Moisture Content %		Vehicle Speed (mph)	0.00		
No	Clean Paved Road	% PM Reduction	0.00				

		Unmitigated		Mitigated		Percent Reduction	
Phase	Source	PM10	PM2.5	PM10	PM2.5	PM10	PM2.5
Architectural Coating	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Architectural Coating	Roads	0.28	0.07	0.28	0.07	0.00	0.00
Building Construction	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Building Construction	Roads	1.75	0.47	1.75	0.47	0.00	0.00
Demolition	Fugitive Dust	0.02	0.00	0.02	0.00	0.00	0.00
Demolition	Roads	0.00	0.00	0.00	0.00	0.00	0.00
Grading	Fugitive Dust	0.18	0.07	0.18	0.07	0.00	0.00
Grading	Roads	0.00	0.00	0.00	0.00	0.00	0.00
Paving	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Paving	Roads	0.01	0.00	0.01	0.00	0.00	0.00
Site Prep	Fugitive Dust	0.18	0.10	0.18	0.10	0.00	0.00
Site Prep	Roads	0.00	0.00	0.00	0.00	0.00	0.00

Operational Percent Reduction Summary

Category	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Architectural Coating	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Consumer Products	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Electricity	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hearth	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Landscaping	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mobile	1.81	2.26	3.92	4.67	4.26	4.29	0.00	4.66	4.66	3.86	0.00	4.66
Natural Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Water Indoor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Water Outdoor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Operational Mobile Mitigation

Project Setting: Low Density Suburban

Mitigation	Category	Measure	% Reduction	Input Value 1	Input Value 2	Input Value
No	Land Use	Increase Density	0.00	0.00	0.00	
No	Land Use	Increase Diversity	0.18	0.44		
No	Land Use	Improve Walkability Design	0.00	0.00		
No	Land Use	Improve Destination Accessibility	0.00	0.00		
No	Land Use	Increase Transit Accessibility	0.25	0.00		
No	Land Use	Integrate Below Market Rate Housing	0.00	0.00		
	Land Use	Land Use SubTotal	0.00			

Yes	Neighborhood Enhancements	Improve Pedestrian Network	2.00	Project Site and Connecting Off-Site		
Yes	Neighborhood Enhancements	Provide Traffic Calming Measures	0.25	25.00	25.00	
No	Neighborhood Enhancements	Implement NEV Network	0.00			
	Neighborhood Enhancements	Neighborhood Enhancements Subtotal	0.05			
No	Parking Policy Pricing	Limit Parking Supply	0.00	0.00		
No	Parking Policy Pricing	Unbundle Parking Costs	0.00	0.00		
No	Parking Policy Pricing	On-street Market Pricing	0.00	0.00		
	Parking Policy Pricing	Parking Policy Pricing Subtotal	0.00			
No	Transit Improvements	Provide BRT System	0.00	0.00		
No	Transit Improvements	Expand Transit Network	0.00	0.00		
No	Transit Improvements	Increase Transit Frequency	0.00		0.00	
	Transit Improvements	Transit Improvements Subtotal	0.00			
		Land Use and Site Enhancement Subtotal	0.05			
No	Commute	Implement Trip Reduction Program				
No	Commute	Transit Subsidy				
No	Commute	Implement Employee Parking "Cash Out"	3.00			
No	Commute	Workplace Parking Charge		0.00		
No	Commute	Encourage Telecommuting and Alternative Work Schedules	0.00			
No	Commute	Market Commute Trip Reduction Option	0.00			
No	Commute	Employee Vanpool/Shuttle	0.00		2.00	
No	Commute	Provide Ride Sharing Program	5.00			
	Commute	Commute Subtotal	0.00			

No	School Trip	Implement School Bus Program	0.00			
		Total VMT Reduction	0.05			

Area Mitigation

Measure Implemented	Mitigation Measure	Input Value
No	Only Natural Gas Hearth	
Yes	No Hearth	
No	Use Low VOC Cleaning Supplies	
No	Use Low VOC Paint (Residential Interior)	100.00
No	Use Low VOC Paint (Residential Exterior)	100.00
No	Use Low VOC Paint (Non-residential Interior)	100.00
No	Use Low VOC Paint (Non-residential Exterior)	100.00
No	Use Low VOC Paint (Parking)	100.00
No	% Electric Lawnmower	0.00
No	% Electric Leafblower	0.00
No	% Electric Chainsaw	0.00

Energy Mitigation Measures

Measure Implemented	Mitigation Measure	Input Value 1	Input Value 2
No	Exceed Title 24		
No	Install High Efficiency Lighting		
No	On-site Renewable		

Appliance Type	Land Use Subtype	% Improvement
ClothWasher		30.00
DishWasher		15.00
Fan		50.00
Refrigerator		15.00

Water Mitigation Measures

Measure Implemented	Mitigation Measure	Input Value 1	Input Value 2
No	Apply Water Conservation on Strategy		
No	Use Reclaimed Water		
No	Use Grey Water		
No	Install low-flow bathroom faucet	32.00	
No	Install low-flow Kitchen faucet	18.00	
No	Install low-flow Toilet	20.00	
No	Install low-flow Shower	20.00	
No	Turf Reduction		
No	Use Water Efficient Irrigation Systems	6.10	
No	Water Efficient Landscape		

Solid Waste Mitigation

Mitigation Measures	Input Value

Institute Recycling and Composting Services Percent Reduction in Waste Disposed	

Cumulative Plus Project Conditions Unmitigated

Simmerhorn Ranch

Sacramento Metropolitan AQMD Air District, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Elementary School	600.00	Student	10.10	50,162.02	0
Other Asphalt Surfaces	9.03	1000sqft	0.21	9,025.00	0
City Park	6.60	Acre	6.60	287,496.00	0
Single Family Housing	438.00	Dwelling Unit	91.50	788,400.00	1169

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	3.5	**Precipitation Freq (Days)**	58
Climate Zone	6			**Operational Year**	2028
Utility Company	Sacramento Municipal Utility District				
CO2 Intensity (lb/MWhr)	298.37	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Simmerhorn Ranch - Sacramento Metropolitan AQMD Air District, Annual

Project Characteristics - CO2 intensity factor updated to reflect SMUD's projected RPS standards.

Land Use - Lot acreages updated per the preliminary site plans from September 2019 and information provided by the project applicant.

Construction Phase - Total days updated per the tentative schedule provided by the project applicant on the submitted air quality questionnaire.

Demolition -

Grading - Total acres graded updated per applicant-provided information.

Vehicle Trips - Updated weekday trip rates updated per the GHD Traffic Impact Study prepared for the proposed project. City park trip generation rate is set to zero because the applicant intends that all park visitors will access the site by foot.

Woodstoves - Applicant indicated that the proposed residents would have a natural gas fireplace.

Energy Use - Title 24 electricity and natural gas energy intensities are adjusted to comply with the 2019 CBSC.

Mobile Land Use Mitigation -

Area Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	200.00	10.00
tblConstructionPhase	NumDays	120.00	20.00
tblConstructionPhase	NumDays	310.00	40.00
tblConstructionPhase	NumDays	220.00	200.00
tblConstructionPhase	NumDays	3,100.00	1,300.00
tblConstructionPhase	NumDays	220.00	1,300.00
tblConstructionPhase	PhaseEndDate	9/4/2020	12/13/2019
tblConstructionPhase	PhaseEndDate	2/19/2021	5/12/2021
tblConstructionPhase	PhaseEndDate	4/29/2022	7/7/2021
tblConstructionPhase	PhaseEndDate	1/19/2035	4/13/2022
tblConstructionPhase	PhaseEndDate	3/17/2034	4/7/2027
tblConstructionPhase	PhaseEndDate	11/23/2035	4/21/2027
tblConstructionPhase	PhaseStartDate	9/5/2020	4/15/2021
tblConstructionPhase	PhaseStartDate	2/20/2021	5/13/2021
tblConstructionPhase	PhaseStartDate	3/18/2034	7/8/2021

tblConstructionPhase	PhaseStartDate	4/30/2022	4/14/2022
tblConstructionPhase	PhaseStartDate	1/20/2035	4/28/2022
tblEnergyUse	T24E	2.05	1.44
tblEnergyUse	T24E	678.97	319.12
tblEnergyUse	T24NG	14.60	10.22
tblEnergyUse	T24NG	23,147.69	10,879.41
tblGrading	AcresOfGrading	100.00	119.00
tblLandUse	LandUseSquareFeet	9,030.00	9,025.00
tblLandUse	LotAcreage	1.15	10.10
tblLandUse	LotAcreage	142.21	91.50
tblProjectCharacteristics	CO2IntensityFactor	590.31	298.37
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	1.29	1.32
tblVehicleTrips	WD_TR	9.52	8.46

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2019	0.0187	0.2074	0.1194	2.7000e-004	0.0226	9.1000e-003	0.0317	3.6800e-003	8.4700e-003	0.0121	0.0000	24.8527	24.8527	5.2500e-003	0.0000	24.9840
2021	0.2079	2.1568	1.7984	3.1700e-003	0.3755	0.1033	0.4787	0.1753	0.0950	0.2703	0.0000	279.2078	279.2078	0.0874	0.0000	281.3937
2022	1.0608	3.0050	3.2650	8.2600e-003	0.3086	0.1077	0.4163	0.0834	0.1014	0.1847	0.0000	746.2604	746.2604	0.0948	0.0000	748.6298
2023	1.4373	3.2359	3.6594	0.0102	0.4266	0.1041	0.5306	0.1153	0.0985	0.2137	0.0000	919.1975	919.1975	0.0958	0.0000	921.5917
2024	1.4236	3.0968	3.5823	0.0101	0.4298	0.0921	0.5220	0.1162	0.0871	0.2033	0.0000	913.7085	913.7085	0.0952	0.0000	916.0874
2025	1.3945	2.9208	3.4734	9.9100e-003	0.4282	0.0792	0.5074	0.1157	0.0749	0.1906	0.0000	897.9120	897.9120	0.0936	0.0000	900.2524
2026	1.3868	2.8953	3.4009	9.7900e-003	0.4282	0.0791	0.5073	0.1157	0.0748	0.1905	0.0000	886.7617	886.7617	0.0930	0.0000	889.0864
2027	0.4060	0.7654	0.8958	2.5900e-003	0.1154	0.0211	0.1366	0.0312	0.0200	0.0512	0.0000	234.5752	234.5752	0.0245	0.0000	235.1884
Maximum	**1.4373**	**3.2359**	**3.6594**	**0.0102**	**0.4298**	**0.1077**	**0.5306**	**0.1753**	**0.1014**	**0.2703**	**0.0000**	**919.1975**	**919.1975**	**0.0958**	**0.0000**	**921.5917**

2.1 Overall Construction

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2019	0.0187	0.2074	0.1194	2.7000e-004	0.0226	9.1000e-003	0.0317	3.6800e-003	8.4700e-003	0.0121	0.0000	24.8527	24.8527	5.2500e-003	0.0000	24.9839
2021	0.2079	2.1568	1.7984	3.1700e-003	0.3755	0.1033	0.4787	0.1753	0.0950	0.2703	0.0000	279.2074	279.2074	0.0874	0.0000	281.3934
2022	1.0608	3.0050	3.2650	8.2600e-003	0.3086	0.1077	0.4163	0.0834	0.1014	0.1847	0.0000	746.2600	746.2600	0.0948	0.0000	748.6294
2023	1.4373	3.2359	3.6594	0.0102	0.4266	0.1041	0.5306	0.1153	0.0985	0.2137	0.0000	919.1971	919.1971	0.0958	0.0000	921.5913
2024	1.4236	3.0968	3.5823	0.0101	0.4298	0.0921	0.5220	0.1162	0.0871	0.2033	0.0000	913.7081	913.7081	0.0952	0.0000	916.0870
2025	1.3945	2.9208	3.4734	9.9100e-003	0.4282	0.0792	0.5074	0.1157	0.0749	0.1906	0.0000	897.9116	897.9116	0.0936	0.0000	900.2520
2026	1.3868	2.8953	3.4009	9.7900e-003	0.4282	0.0791	0.5073	0.1157	0.0748	0.1905	0.0000	886.7613	886.7613	0.0930	0.0000	889.0860
2027	0.4060	0.7654	0.8958	2.5900e-003	0.1154	0.0211	0.1366	0.0312	0.0200	0.0512	0.0000	234.5751	234.5751	0.0245	0.0000	235.1883
Maximum	**1.4373**	**3.2359**	**3.6594**	**0.0102**	**0.4298**	**0.1077**	**0.5306**	**0.1753**	**0.1014**	**0.2703**	**0.0000**	**919.1971**	**919.1971**	**0.0958**	**0.0000**	**921.5913**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	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)
1	**12-1-2019**	**2-29-2020**	0.2101	0.2101
6	**3-1-2021**	**5-31-2021**	0.7891	0.7891

7	**6-1-2021**	**8-31-2021**	0.9504	0.9504
8	**9-1-2021**	**11-30-2021**	0.4638	0.4638
9	**12-1-2021**	**2-28-2022**	0.4175	0.4175
10	**3-1-2022**	**5-31-2022**	0.8151	0.8151
11	**6-1-2022**	**8-31-2022**	1.2862	1.2862
12	**9-1-2022**	**11-30-2022**	1.2770	1.2770
13	**12-1-2022**	**2-28-2023**	1.1961	1.1961
14	**3-1-2023**	**5-31-2023**	1.1824	1.1824
15	**6-1-2023**	**8-31-2023**	1.1808	1.1808
16	**9-1-2023**	**11-30-2023**	1.1712	1.1712
17	**12-1-2023**	**2-29-2024**	1.1416	1.1416
18	**3-1-2024**	**5-31-2024**	1.1349	1.1349
19	**6-1-2024**	**8-31-2024**	1.1335	1.1335
20	**9-1-2024**	**11-30-2024**	1.1241	1.1241
21	**12-1-2024**	**2-28-2025**	1.0826	1.0826
22	**3-1-2025**	**5-31-2025**	1.0876	1.0876
23	**6-1-2025**	**8-31-2025**	1.0862	1.0862
24	**9-1-2025**	**11-30-2025**	1.0771	1.0771
25	**12-1-2025**	**2-28-2026**	1.0611	1.0611
26	**3-1-2026**	**5-31-2026**	1.0791	1.0791
27	**6-1-2026**	**8-31-2026**	1.0778	1.0778
28	**9-1-2026**	**11-30-2026**	1.0687	1.0687
29	**12-1-2026**	**2-28-2027**	1.0531	1.0531
30	**3-1-2027**	**5-31-2027**	0.4907	0.4907
		Highest	1.2862	1.2862

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	3.9312	0.0521	4.5205	2.4000e-004		0.0251	0.0251		0.0251	0.0251	0.0000	7.3936	7.3936	7.1100e-003	0.0000	7.5713
Energy	0.0350	0.3006	0.1390	1.9100e-003		0.0242	0.0242		0.0242	0.0242	0.0000	870.9362	870.9362	0.0576	0.0169	877.4130
Mobile	0.8806	3.9058	10.0036	0.0390	4.0821	0.0284	4.1105	1.0934	0.0264	1.1198	0.0000	3,601.6779	3,601.6779	0.1460	0.0000	3,605.3281
Waste						0.0000	0.0000		0.0000	0.0000	107.7699	0.0000	107.7699	6.3690	0.0000	266.9955
Water						0.0000	0.0000		0.0000	0.0000	10.6112	34.2434	44.8546	0.0399	0.0238	52.9328
Total	**4.8467**	**4.2584**	**14.6631**	**0.0412**	**4.0821**	**0.0776**	**4.1597**	**1.0934**	**0.0756**	**1.1690**	**118.3812**	**4,514.2511**	**4,632.6323**	**6.6196**	**0.0407**	**4,810.2406**

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	3.9312	0.0521	4.5205	2.4000e-004		0.0251	0.0251		0.0251	0.0251	0.0000	7.3936	7.3936	7.1100e-003	0.0000	7.5713
Energy	0.0350	0.3006	0.1390	1.9100e-003		0.0242	0.0242		0.0242	0.0242	0.0000	870.9362	870.9362	0.0576	0.0169	877.4130
Mobile	0.8649	3.8186	9.6135	0.0372	3.8780	0.0272	3.9052	1.0387	0.0253	1.0640	0.0000	3,433.9107	3,433.9107	0.1404	0.0000	3,437.4209
Waste						0.0000	0.0000		0.0000	0.0000	107.7699	0.0000	107.7699	6.3690	0.0000	266.9955
Water						0.0000	0.0000		0.0000	0.0000	10.6112	34.2434	44.8546	0.0399	0.0238	52.9328
Total	**4.8310**	**4.1712**	**14.2730**	**0.0393**	**3.8780**	**0.0764**	**3.9544**	**1.0387**	**0.0745**	**1.1132**	**118.3812**	**4,346.4840**	**4,464.8651**	**6.6140**	**0.0407**	**4,642.3334**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.32**	**2.05**	**2.66**	**4.42**	**5.00**	**1.56**	**4.94**	**5.00**	**1.49**	**4.77**	**0.00**	**3.72**	**3.62**	**0.08**	**0.00**	**3.49**

3.0 Construction Detail

Construction Phase

Simmerhorn Ranch - Sacramento Metropolitan AQMD Air District, Annual

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	12/1/2019	12/13/2019	5	10	
2	Site Prep	Site Preparation	4/15/2021	5/12/2021	5	20	
3	Grading	Grading	5/13/2021	7/7/2021	5	40	
4	Building Construction	Building Construction	4/14/2022	4/7/2027	5	1300	
5	Paving	Paving	7/8/2021	4/13/2022	5	200	
6	Architectural Coating	Architectural Coating	4/28/2022	4/21/2027	5	1300	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 119

Acres of Paving: 0.21

Residential Indoor: 1,596,510; Residential Outdoor: 532,170; Non-Residential Indoor: 75,243; Non-Residential Outdoor: 25,081; Striped Parking Area: 542 (Architectural Coating – sqft)

OffRoad Equipment

Simmerhorn Ranch - Sacramento Metropolitan AQMD Air District, Annual

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 Prep	Rubber Tired Dozers	3	8.00	247	0.40
Site Prep	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	182.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Site Prep	7	18.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	303.00	104.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	61.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0205	0.0000	0.0205	3.1100e-003	0.0000	3.1100e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0176	0.1789	0.1103	1.9000e-004		8.9700e-003	8.9700e-003		8.3500e-003	8.3500e-003	0.0000	17.3132	17.3132	4.8200e-003	0.0000	17.4336
Total	**0.0176**	**0.1789**	**0.1103**	**1.9000e-004**	**0.0205**	**8.9700e-003**	**0.0295**	**3.1100e-003**	**8.3500e-003**	**0.0115**	**0.0000**	**17.3132**	**17.3132**	**4.8200e-003**	**0.0000**	**17.4336**

3.2 Demolition - 2019

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	8.0000e-004	0.0283	6.8400e-003	7.0000e-005	1.5400e-003	1.2000e-004	1.6500e-003	4.2000e-004	1.1000e-004	5.4000e-004	0.0000	7.0360	7.0360	4.2000e-004	0.0000	7.0465
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.0000e-004	2.1000e-004	2.3000e-003	1.0000e-005	5.5000e-004	0.0000	5.5000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.5035	0.5035	2.0000e-005	0.0000	0.5039
Total	**1.1000e-003**	**0.0285**	**9.1400e-003**	**8.0000e-005**	**2.0900e-003**	**1.2000e-004**	**2.2000e-003**	**5.7000e-004**	**1.1000e-004**	**6.9000e-004**	**0.0000**	**7.5395**	**7.5395**	**4.4000e-004**	**0.0000**	**7.5504**

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					0.0205	0.0000	0.0205	3.1100e-003	0.0000	3.1100e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0176	0.1789	0.1103	1.9000e-004		8.9700e-003	8.9700e-003		8.3500e-003	8.3500e-003	0.0000	17.3131	17.3131	4.8200e-003	0.0000	17.4336
Total	**0.0176**	**0.1789**	**0.1103**	**1.9000e-004**	**0.0205**	**8.9700e-003**	**0.0295**	**3.1100e-003**	**8.3500e-003**	**0.0115**	**0.0000**	**17.3131**	**17.3131**	**4.8200e-003**	**0.0000**	**17.4336**

3.2 Demolition - 2019

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	8.0000e-004	0.0283	6.8400e-003	7.0000e-005	1.5400e-003	1.2000e-004	1.6500e-003	4.2000e-004	1.1000e-004	5.4000e-004	0.0000	7.0360	7.0360	4.2000e-004	0.0000	7.0465
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.0000e-004	2.1000e-004	2.3000e-003	1.0000e-005	5.5000e-004	0.0000	5.5000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.5035	0.5035	2.0000e-005	0.0000	0.5039
Total	**1.1000e-003**	**0.0285**	**9.1400e-003**	**8.0000e-005**	**2.0900e-003**	**1.2000e-004**	**2.2000e-003**	**5.7000e-004**	**1.1000e-004**	**6.9000e-004**	**0.0000**	**7.5395**	**7.5395**	**4.4000e-004**	**0.0000**	**7.5504**

3.3 Site Prep - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1807	0.0000	0.1807	0.0993	0.0000	0.0993	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0389	0.4050	0.2115	3.8000e-004		0.0204	0.0204		0.0188	0.0188	0.0000	33.4357	33.4357	0.0108	0.0000	33.7061
Total	**0.0389**	**0.4050**	**0.2115**	**3.8000e-004**	**0.1807**	**0.0204**	**0.2011**	**0.0993**	**0.0188**	**0.1181**	**0.0000**	**33.4357**	**33.4357**	**0.0108**	**0.0000**	**33.7061**

3.3 Site Prep - 2021

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	6.2000e-004	4.1000e-004	4.5600e-003	1.0000e-005	1.3200e-003	1.0000e-005	1.3300e-003	3.5000e-004	1.0000e-005	3.6000e-004	0.0000	1.1314	1.1314	3.0000e-005	0.0000	1.1322
Total	**6.2000e-004**	**4.1000e-004**	**4.5600e-003**	**1.0000e-005**	**1.3200e-003**	**1.0000e-005**	**1.3300e-003**	**3.5000e-004**	**1.0000e-005**	**3.6000e-004**	**0.0000**	**1.1314**	**1.1314**	**3.0000e-005**	**0.0000**	**1.1322**

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					0.1807	0.0000	0.1807	0.0993	0.0000	0.0993	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0389	0.4050	0.2115	3.8000e-004		0.0204	0.0204		0.0188	0.0188	0.0000	33.4357	33.4357	0.0108	0.0000	33.7060
Total	**0.0389**	**0.4050**	**0.2115**	**3.8000e-004**	**0.1807**	**0.0204**	**0.2011**	**0.0993**	**0.0188**	**0.1181**	**0.0000**	**33.4357**	**33.4357**	**0.0108**	**0.0000**	**33.7060**

3.3 Site Prep - 2021

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	6.2000e-004	4.1000e-004	4.5600e-003	1.0000e-005	1.3200e-003	1.0000e-005	1.3300e-003	3.5000e-004	1.0000e-005	3.6000e-004	0.0000	1.1314	1.1314	3.0000e-005	0.0000	1.1322
Total	**6.2000e-004**	**4.1000e-004**	**4.5600e-003**	**1.0000e-005**	**1.3200e-003**	**1.0000e-005**	**1.3300e-003**	**3.5000e-004**	**1.0000e-005**	**3.6000e-004**	**0.0000**	**1.1314**	**1.1314**	**3.0000e-005**	**0.0000**	**1.1322**

3.4 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1835	0.0000	0.1835	0.0730	0.0000	0.0730	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0838	0.9280	0.6176	1.2400e-003		0.0397	0.0397		0.0365	0.0365	0.0000	108.9900	108.9900	0.0353	0.0000	109.8712
Total	**0.0838**	**0.9280**	**0.6176**	**1.2400e-003**	**0.1835**	**0.0397**	**0.2233**	**0.0730**	**0.0365**	**0.1096**	**0.0000**	**108.9900**	**108.9900**	**0.0353**	**0.0000**	**109.8712**

3.4 Grading - 2021

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	1.3900e-003	9.1000e-004	0.0101	3.0000e-005	2.9400e-003	2.0000e-005	2.9600e-003	7.8000e-004	2.0000e-005	8.0000e-004	0.0000	2.5143	2.5143	7.0000e-005	0.0000	2.5160
Total	**1.3900e-003**	**9.1000e-004**	**0.0101**	**3.0000e-005**	**2.9400e-003**	**2.0000e-005**	**2.9600e-003**	**7.8000e-004**	**2.0000e-005**	**8.0000e-004**	**0.0000**	**2.5143**	**2.5143**	**7.0000e-005**	**0.0000**	**2.5160**

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					0.1835	0.0000	0.1835	0.0730	0.0000	0.0730	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0838	0.9280	0.6176	1.2400e-003		0.0397	0.0397		0.0365	0.0365	0.0000	108.9898	108.9898	0.0353	0.0000	109.8711
Total	**0.0838**	**0.9280**	**0.6176**	**1.2400e-003**	**0.1835**	**0.0397**	**0.2233**	**0.0730**	**0.0365**	**0.1096**	**0.0000**	**108.9898**	**108.9898**	**0.0353**	**0.0000**	**109.8711**

3.4 Grading - 2021

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	1.3900e-003	9.1000e-004	0.0101	3.0000e-005	2.9400e-003	2.0000e-005	2.9600e-003	7.8000e-004	2.0000e-005	8.0000e-004	0.0000	2.5143	2.5143	7.0000e-005	0.0000	2.5160
Total	**1.3900e-003**	**9.1000e-004**	**0.0101**	**3.0000e-005**	**2.9400e-003**	**2.0000e-005**	**2.9600e-003**	**7.8000e-004**	**2.0000e-005**	**8.0000e-004**	**0.0000**	**2.5143**	**2.5143**	**7.0000e-005**	**0.0000**	**2.5160**

3.5 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1595	1.4601	1.5300	2.5200e-003		0.0756	0.0756		0.0712	0.0712	0.0000	216.6631	216.6631	0.0519	0.0000	217.9608
Total	**0.1595**	**1.4601**	**1.5300**	**2.5200e-003**		**0.0756**	**0.0756**		**0.0712**	**0.0712**	**0.0000**	**216.6631**	**216.6631**	**0.0519**	**0.0000**	**217.9608**

3.5 Building Construction - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0284	0.9445	0.2451	2.3500e-003	0.0568	2.4100e-003	0.0593	0.0164	2.3100e-003	0.0187	0.0000	226.1628	226.1628	0.0127	0.0000	226.4796
Worker	0.0917	0.0576	0.6589	1.9000e-003	0.2081	1.4200e-003	0.2095	0.0553	1.3100e-003	0.0567	0.0000	171.7010	171.7010	4.2000e-003	0.0000	171.8061
Total	**0.1201**	**1.0021**	**0.9040**	**4.2500e-003**	**0.2649**	**3.8300e-003**	**0.2688**	**0.0718**	**3.6200e-003**	**0.0754**	**0.0000**	**397.8638**	**397.8638**	**0.0169**	**0.0000**	**398.2857**

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	0.1595	1.4601	1.5300	2.5200e-003		0.0756	0.0756		0.0712	0.0712	0.0000	216.6629	216.6629	0.0519	0.0000	217.9605
Total	**0.1595**	**1.4601**	**1.5300**	**2.5200e-003**		**0.0756**	**0.0756**		**0.0712**	**0.0712**	**0.0000**	**216.6629**	**216.6629**	**0.0519**	**0.0000**	**217.9605**

3.5 Building Construction - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0284	0.9445	0.2451	2.3500e-003	0.0568	2.4100e-003	0.0593	0.0164	2.3100e-003	0.0187	0.0000	226.1628	226.1628	0.0127	0.0000	226.4796
Worker	0.0917	0.0576	0.6589	1.9000e-003	0.2081	1.4200e-003	0.2095	0.0553	1.3100e-003	0.0567	0.0000	171.7010	171.7010	4.2000e-003	0.0000	171.8061
Total	**0.1201**	**1.0021**	**0.9040**	**4.2500e-003**	**0.2649**	**3.8300e-003**	**0.2688**	**0.0718**	**3.6200e-003**	**0.0754**	**0.0000**	**397.8638**	**397.8638**	**0.0169**	**0.0000**	**398.2857**

3.5 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2045	1.8700	2.1117	3.5000e-003		0.0910	0.0910		0.0856	0.0856	0.0000	301.3462	301.3462	0.0717	0.0000	303.1383
Total	**0.2045**	**1.8700**	**2.1117**	**3.5000e-003**		**0.0910**	**0.0910**		**0.0856**	**0.0856**	**0.0000**	**301.3462**	**301.3462**	**0.0717**	**0.0000**	**303.1383**

3.5 Building Construction - 2023

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	0.0312	1.1099	0.3015	3.2100e-003	0.0790	1.6000e-003	0.0806	0.0228	1.5300e-003	0.0244	0.0000	308.6388	308.6388	0.0158	0.0000	309.0340
Worker	0.1193	0.0721	0.8414	2.5400e-003	0.2893	1.9200e-003	0.2912	0.0769	1.7700e-003	0.0787	0.0000	229.7641	229.7641	5.2400e-003	0.0000	229.8950
Total	**0.1505**	**1.1820**	**1.1429**	**5.7500e-003**	**0.3683**	**3.5200e-003**	**0.3718**	**0.0998**	**3.3000e-003**	**0.1031**	**0.0000**	**538.4029**	**538.4029**	**0.0211**	**0.0000**	**538.9290**

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	0.2045	1.8700	2.1117	3.5000e-003		0.0910	0.0910		0.0856	0.0856	0.0000	301.3458	301.3458	0.0717	0.0000	303.1380
Total	**0.2045**	**1.8700**	**2.1117**	**3.5000e-003**		**0.0910**	**0.0910**		**0.0856**	**0.0856**	**0.0000**	**301.3458**	**301.3458**	**0.0717**	**0.0000**	**303.1380**

3.5 Building Construction - 2023

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	0.0312	1.1099	0.3015	3.2100e-003	0.0790	1.6000e-003	0.0806	0.0228	1.5300e-003	0.0244	0.0000	308.6388	308.6388	0.0158	0.0000	309.0340
Worker	0.1193	0.0721	0.8414	2.5400e-003	0.2893	1.9200e-003	0.2912	0.0769	1.7700e-003	0.0787	0.0000	229.7641	229.7641	5.2400e-003	0.0000	229.8950
Total	**0.1505**	**1.1820**	**1.1429**	**5.7500e-003**	**0.3683**	**3.5200e-003**	**0.3718**	**0.0998**	**3.3000e-003**	**0.1031**	**0.0000**	**538.4029**	**538.4029**	**0.0211**	**0.0000**	**538.9290**

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**

3.5 Building Construction - 2024

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	0.0300	1.0971	0.2841	3.2100e-003	0.0796	1.5300e-003	0.0812	0.0230	1.4600e-003	0.0245	0.0000	309.2074	309.2074	0.0157	0.0000	309.6008
Worker	0.1131	0.0657	0.7852	2.4600e-003	0.2915	1.8900e-003	0.2934	0.0775	1.7400e-003	0.0793	0.0000	222.5311	222.5311	4.7600e-003	0.0000	222.6501
Total	**0.1430**	**1.1627**	**1.0692**	**5.6700e-003**	**0.3712**	**3.4200e-003**	**0.3746**	**0.1005**	**3.2000e-003**	**0.1038**	**0.0000**	**531.7385**	**531.7385**	**0.0205**	**0.0000**	**532.2509**

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**

3.5 Building Construction - 2024

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	0.0300	1.0971	0.2841	3.2100e-003	0.0796	1.5300e-003	0.0812	0.0230	1.4600e-003	0.0245	0.0000	309.2074	309.2074	0.0157	0.0000	309.6008
Worker	0.1131	0.0657	0.7852	2.4600e-003	0.2915	1.8900e-003	0.2934	0.0775	1.7400e-003	0.0793	0.0000	222.5311	222.5311	4.7600e-003	0.0000	222.6501
Total	**0.1430**	**1.1627**	**1.0692**	**5.6700e-003**	**0.3712**	**3.4200e-003**	**0.3746**	**0.1005**	**3.2000e-003**	**0.1038**	**0.0000**	**531.7385**	**531.7385**	**0.0205**	**0.0000**	**532.2509**

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**

3.5 Building Construction - 2025

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	0.0286	1.0726	0.2679	3.1800e-003	0.0793	1.4400e-003	0.0808	0.0229	1.3800e-003	0.0243	0.0000	306.2885	306.2885	0.0155	0.0000	306.6758
Worker	0.1064	0.0594	0.7245	2.3500e-003	0.2904	1.8500e-003	0.2923	0.0772	1.7000e-003	0.0789	0.0000	212.8064	212.8064	4.3000e-003	0.0000	212.9138
Total	**0.1350**	**1.1320**	**0.9924**	**5.5300e-003**	**0.3697**	**3.2900e-003**	**0.3730**	**0.1002**	**3.0800e-003**	**0.1032**	**0.0000**	**519.0949**	**519.0949**	**0.0198**	**0.0000**	**519.5896**

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**

3.5 Building Construction - 2025

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	0.0286	1.0726	0.2679	3.1800e-003	0.0793	1.4400e-003	0.0808	0.0229	1.3800e-003	0.0243	0.0000	306.2885	306.2885	0.0155	0.0000	306.6758
Worker	0.1064	0.0594	0.7245	2.3500e-003	0.2904	1.8500e-003	0.2923	0.0772	1.7000e-003	0.0789	0.0000	212.8064	212.8064	4.3000e-003	0.0000	212.9138
Total	**0.1350**	**1.1320**	**0.9924**	**5.5300e-003**	**0.3697**	**3.2900e-003**	**0.3730**	**0.1002**	**3.0800e-003**	**0.1032**	**0.0000**	**519.0949**	**519.0949**	**0.0198**	**0.0000**	**519.5896**

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**

3.5 Building Construction - 2026

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	0.0276	1.0534	0.2557	3.1600e-003	0.0793	1.3600e-003	0.0807	0.0229	1.3000e-003	0.0242	0.0000	304.6366	304.6366	0.0153	0.0000	305.0197
Worker	0.1008	0.0543	0.6743	2.2700e-003	0.2904	1.8000e-003	0.2922	0.0772	1.6500e-003	0.0789	0.0000	204.8998	204.8998	3.9100e-003	0.0000	204.9976
Total	**0.1284**	**1.1076**	**0.9300**	**5.4300e-003**	**0.3697**	**3.1600e-003**	**0.3729**	**0.1002**	**2.9500e-003**	**0.1031**	**0.0000**	**509.5364**	**509.5364**	**0.0192**	**0.0000**	**510.0173**

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**

3.5 Building Construction - 2026

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	0.0276	1.0534	0.2557	3.1600e-003	0.0793	1.3600e-003	0.0807	0.0229	1.3000e-003	0.0242	0.0000	304.6366	304.6366	0.0153	0.0000	305.0197
Worker	0.1008	0.0543	0.6743	2.2700e-003	0.2904	1.8000e-003	0.2922	0.0772	1.6500e-003	0.0789	0.0000	204.8998	204.8998	3.9100e-003	0.0000	204.9976
Total	**0.1284**	**1.1076**	**0.9300**	**5.4300e-003**	**0.3697**	**3.1600e-003**	**0.3729**	**0.1002**	**2.9500e-003**	**0.1031**	**0.0000**	**509.5364**	**509.5364**	**0.0192**	**0.0000**	**510.0173**

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	0.0472	0.4302	0.5549	9.3000e-004		0.0182	0.0182		0.0171	0.0171	0.0000	80.0122	80.0122	0.0188	0.0000	80.4824
Total	**0.0472**	**0.4302**	**0.5549**	**9.3000e-004**		**0.0182**	**0.0182**		**0.0171**	**0.0171**	**0.0000**	**80.0122**	**80.0122**	**0.0188**	**0.0000**	**80.4824**

3.5 Building Construction - 2027

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	7.0300e-003	0.2738	0.0648	8.3000e-004	0.0210	3.4000e-004	0.0213	6.0600e-003	3.3000e-004	6.3900e-003	0.0000	80.1255	80.1255	4.0100e-003	0.0000	80.2257
Worker	0.0252	0.0131	0.1663	5.8000e-004	0.0768	4.5000e-004	0.0772	0.0204	4.2000e-004	0.0208	0.0000	52.2977	52.2977	9.4000e-004	0.0000	52.3213
Total	**0.0323**	**0.2869**	**0.2311**	**1.4100e-003**	**0.0977**	**7.9000e-004**	**0.0985**	**0.0265**	**7.5000e-004**	**0.0272**	**0.0000**	**132.4232**	**132.4232**	**4.9500e-003**	**0.0000**	**132.5469**

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	0.0472	0.4302	0.5549	9.3000e-004		0.0182	0.0182		0.0171	0.0171	0.0000	80.0121	80.0121	0.0188	0.0000	80.4823
Total	**0.0472**	**0.4302**	**0.5549**	**9.3000e-004**		**0.0182**	**0.0182**		**0.0171**	**0.0171**	**0.0000**	**80.0121**	**80.0121**	**0.0188**	**0.0000**	**80.4823**

3.5 Building Construction - 2027

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	7.0300e-003	0.2738	0.0648	8.3000e-004	0.0210	3.4000e-004	0.0213	6.0600e-003	3.3000e-004	6.3900e-003	0.0000	80.1255	80.1255	4.0100e-003	0.0000	80.2257
Worker	0.0252	0.0131	0.1663	5.8000e-004	0.0768	4.5000e-004	0.0772	0.0204	4.2000e-004	0.0208	0.0000	52.2977	52.2977	9.4000e-004	0.0000	52.3213
Total	**0.0323**	**0.2869**	**0.2311**	**1.4100e-003**	**0.0977**	**7.9000e-004**	**0.0985**	**0.0265**	**7.5000e-004**	**0.0272**	**0.0000**	**132.4232**	**132.4232**	**4.9500e-003**	**0.0000**	**132.5469**

3.6 Paving - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0797	0.8204	0.9305	1.4500e-003		0.0430	0.0430		0.0396	0.0396	0.0000	127.1491	127.1491	0.0411	0.0000	128.1772
Paving	1.7000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0799**	**0.8204**	**0.9305**	**1.4500e-003**		**0.0430**	**0.0430**		**0.0396**	**0.0396**	**0.0000**	**127.1491**	**127.1491**	**0.0411**	**0.0000**	**128.1772**

3.6 Paving - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.3000e-003	2.1600e-003	0.0241	7.0000e-005	7.0000e-003	5.0000e-005	7.0400e-003	1.8600e-003	5.0000e-005	1.9100e-003	0.0000	5.9872	5.9872	1.6000e-004	0.0000	5.9911
Total	**3.3000e-003**	**2.1600e-003**	**0.0241**	**7.0000e-005**	**7.0000e-003**	**5.0000e-005**	**7.0400e-003**	**1.8600e-003**	**5.0000e-005**	**1.9100e-003**	**0.0000**	**5.9872**	**5.9872**	**1.6000e-004**	**0.0000**	**5.9911**

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	0.0797	0.8204	0.9305	1.4500e-003		0.0430	0.0430		0.0396	0.0396	0.0000	127.1490	127.1490	0.0411	0.0000	128.1770
Paving	1.7000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0799**	**0.8204**	**0.9305**	**1.4500e-003**		**0.0430**	**0.0430**		**0.0396**	**0.0396**	**0.0000**	**127.1490**	**127.1490**	**0.0411**	**0.0000**	**128.1770**

3.6 Paving - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.3000e-003	2.1600e-003	0.0241	7.0000e-005	7.0000e-003	5.0000e-005	7.0400e-003	1.8600e-003	5.0000e-005	1.9100e-003	0.0000	5.9872	5.9872	1.6000e-004	0.0000	5.9911
Total	**3.3000e-003**	**2.1600e-003**	**0.0241**	**7.0000e-005**	**7.0000e-003**	**5.0000e-005**	**7.0400e-003**	**1.8600e-003**	**5.0000e-005**	**1.9100e-003**	**0.0000**	**5.9872**	**5.9872**	**1.6000e-004**	**0.0000**	**5.9911**

3.6 Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0403	0.4061	0.5322	8.3000e-004		0.0207	0.0207		0.0191	0.0191	0.0000	73.1006	73.1006	0.0236	0.0000	73.6916
Paving	1.0000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0404**	**0.4061**	**0.5322**	**8.3000e-004**		**0.0207**	**0.0207**		**0.0191**	**0.0191**	**0.0000**	**73.1006**	**73.1006**	**0.0236**	**0.0000**	**73.6916**

3.6 Paving - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	1.7700e-003	1.1100e-003	0.0127	4.0000e-005	4.0200e-003	3.0000e-005	4.0500e-003	1.0700e-003	3.0000e-005	1.0900e-003	0.0000	3.3182	3.3182	8.0000e-005	0.0000	3.3202
Total	**1.7700e-003**	**1.1100e-003**	**0.0127**	**4.0000e-005**	**4.0200e-003**	**3.0000e-005**	**4.0500e-003**	**1.0700e-003**	**3.0000e-005**	**1.0900e-003**	**0.0000**	**3.3182**	**3.3182**	**8.0000e-005**	**0.0000**	**3.3202**

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	0.0403	0.4061	0.5322	8.3000e-004		0.0207	0.0207		0.0191	0.0191	0.0000	73.1005	73.1005	0.0236	0.0000	73.6916
Paving	1.0000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0404**	**0.4061**	**0.5322**	**8.3000e-004**		**0.0207**	**0.0207**		**0.0191**	**0.0191**	**0.0000**	**73.1005**	**73.1005**	**0.0236**	**0.0000**	**73.6916**

3.6 Paving - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	1.7700e-003	1.1100e-003	0.0127	4.0000e-005	4.0200e-003	3.0000e-005	4.0500e-003	1.0700e-003	3.0000e-005	1.0900e-003	0.0000	3.3182	3.3182	8.0000e-005	0.0000	3.3202
Total	**1.7700e-003**	**1.1100e-003**	**0.0127**	**4.0000e-005**	**4.0200e-003**	**3.0000e-005**	**4.0500e-003**	**1.0700e-003**	**3.0000e-005**	**1.0900e-003**	**0.0000**	**3.3182**	**3.3182**	**8.0000e-005**	**0.0000**	**3.3202**

3.7 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.7035					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0181	0.1247	0.1605	2.6000e-004		7.2300e-003	7.2300e-003		7.2300e-003	7.2300e-003	0.0000	22.5963	22.5963	1.4700e-003	0.0000	22.6331
Total	**0.7216**	**0.1247**	**0.1605**	**2.6000e-004**		**7.2300e-003**	**7.2300e-003**		**7.2300e-003**	**7.2300e-003**	**0.0000**	**22.5963**	**22.5963**	**1.4700e-003**	**0.0000**	**22.6331**

3.7 Architectural Coating - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0175	0.0110	0.1256	3.6000e-004	0.0397	2.7000e-004	0.0399	0.0106	2.5000e-004	0.0108	0.0000	32.7184	32.7184	8.0000e-004	0.0000	32.7384
Total	**0.0175**	**0.0110**	**0.1256**	**3.6000e-004**	**0.0397**	**2.7000e-004**	**0.0399**	**0.0106**	**2.5000e-004**	**0.0108**	**0.0000**	**32.7184**	**32.7184**	**8.0000e-004**	**0.0000**	**32.7384**

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	0.7035					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0181	0.1247	0.1605	2.6000e-004		7.2300e-003	7.2300e-003		7.2300e-003	7.2300e-003	0.0000	22.5963	22.5963	1.4700e-003	0.0000	22.6331
Total	**0.7216**	**0.1247**	**0.1605**	**2.6000e-004**		**7.2300e-003**	**7.2300e-003**		**7.2300e-003**	**7.2300e-003**	**0.0000**	**22.5963**	**22.5963**	**1.4700e-003**	**0.0000**	**22.6331**

3.7 Architectural Coating - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0175	0.0110	0.1256	3.6000e-004	0.0397	2.7000e-004	0.0399	0.0106	2.5000e-004	0.0108	0.0000	32.7184	32.7184	8.0000e-004	0.0000	32.7384
Total	**0.0175**	**0.0110**	**0.1256**	**3.6000e-004**	**0.0397**	**2.7000e-004**	**0.0399**	**0.0106**	**2.5000e-004**	**0.0108**	**0.0000**	**32.7184**	**32.7184**	**8.0000e-004**	**0.0000**	**32.7384**

3.7 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.0334					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0249	0.1694	0.2355	3.9000e-004		9.2100e-003	9.2100e-003		9.2100e-003	9.2100e-003	0.0000	33.1923	33.1923	1.9900e-003	0.0000	33.2419
Total	**1.0583**	**0.1694**	**0.2355**	**3.9000e-004**		**9.2100e-003**	**9.2100e-003**		**9.2100e-003**	**9.2100e-003**	**0.0000**	**33.1923**	**33.1923**	**1.9900e-003**	**0.0000**	**33.2419**

3.7 Architectural Coating - 2023

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	0.0240	0.0145	0.1694	5.1000e-004	0.0582	3.9000e-004	0.0586	0.0155	3.6000e-004	0.0159	0.0000	46.2561	46.2561	1.0500e-003	0.0000	46.2825
Total	**0.0240**	**0.0145**	**0.1694**	**5.1000e-004**	**0.0582**	**3.9000e-004**	**0.0586**	**0.0155**	**3.6000e-004**	**0.0159**	**0.0000**	**46.2561**	**46.2561**	**1.0500e-003**	**0.0000**	**46.2825**

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	1.0334					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0249	0.1694	0.2354	3.9000e-004		9.2100e-003	9.2100e-003		9.2100e-003	9.2100e-003	0.0000	33.1923	33.1923	1.9900e-003	0.0000	33.2419
Total	**1.0583**	**0.1694**	**0.2354**	**3.9000e-004**		**9.2100e-003**	**9.2100e-003**		**9.2100e-003**	**9.2100e-003**	**0.0000**	**33.1923**	**33.1923**	**1.9900e-003**	**0.0000**	**33.2419**

3.7 Architectural Coating - 2023

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	0.0240	0.0145	0.1694	5.1000e-004	0.0582	3.9000e-004	0.0586	0.0155	3.6000e-004	0.0159	0.0000	46.2561	46.2561	1.0500e-003	0.0000	46.2825
Total	**0.0240**	**0.0145**	**0.1694**	**5.1000e-004**	**0.0582**	**3.9000e-004**	**0.0586**	**0.0155**	**3.6000e-004**	**0.0159**	**0.0000**	**46.2561**	**46.2561**	**1.0500e-003**	**0.0000**	**46.2825**

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	1.0413					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	**1.0650**	**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**

3.7 Architectural Coating - 2024

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	0.0228	0.0132	0.1581	5.0000e-004	0.0587	3.8000e-004	0.0591	0.0156	3.5000e-004	0.0160	0.0000	44.8000	44.8000	9.6000e-004	0.0000	44.8240
Total	**0.0228**	**0.0132**	**0.1581**	**5.0000e-004**	**0.0587**	**3.8000e-004**	**0.0591**	**0.0156**	**3.5000e-004**	**0.0160**	**0.0000**	**44.8000**	**44.8000**	**9.6000e-004**	**0.0000**	**44.8240**

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	1.0413					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	**1.0650**	**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**

3.7 Architectural Coating - 2024

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	0.0228	0.0132	0.1581	5.0000e-004	0.0587	3.8000e-004	0.0591	0.0156	3.5000e-004	0.0160	0.0000	44.8000	44.8000	9.6000e-004	0.0000	44.8240
Total	**0.0228**	**0.0132**	**0.1581**	**5.0000e-004**	**0.0587**	**3.8000e-004**	**0.0591**	**0.0156**	**3.5000e-004**	**0.0160**	**0.0000**	**44.8000**	**44.8000**	**9.6000e-004**	**0.0000**	**44.8240**

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	1.0374					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0223	0.1495	0.2361	3.9000e-004		6.7200e-003	6.7200e-003		6.7200e-003	6.7200e-003	0.0000	33.3200	33.3200	1.8200e-003	0.0000	33.3654
Total	**1.0597**	**0.1495**	**0.2361**	**3.9000e-004**		**6.7200e-003**	**6.7200e-003**		**6.7200e-003**	**6.7200e-003**	**0.0000**	**33.3200**	**33.3200**	**1.8200e-003**	**0.0000**	**33.3654**

3.7 Architectural Coating - 2025

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	0.0214	0.0120	0.1459	4.7000e-004	0.0585	3.7000e-004	0.0588	0.0156	3.4000e-004	0.0159	0.0000	42.8422	42.8422	8.7000e-004	0.0000	42.8638
Total	**0.0214**	**0.0120**	**0.1459**	**4.7000e-004**	**0.0585**	**3.7000e-004**	**0.0588**	**0.0156**	**3.4000e-004**	**0.0159**	**0.0000**	**42.8422**	**42.8422**	**8.7000e-004**	**0.0000**	**42.8638**

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	1.0374					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0223	0.1495	0.2361	3.9000e-004		6.7200e-003	6.7200e-003		6.7200e-003	6.7200e-003	0.0000	33.3199	33.3199	1.8200e-003	0.0000	33.3654
Total	**1.0597**	**0.1495**	**0.2361**	**3.9000e-004**		**6.7200e-003**	**6.7200e-003**		**6.7200e-003**	**6.7200e-003**	**0.0000**	**33.3199**	**33.3199**	**1.8200e-003**	**0.0000**	**33.3654**

3.7 Architectural Coating - 2025

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	0.0214	0.0120	0.1459	4.7000e-004	0.0585	3.7000e-004	0.0588	0.0156	3.4000e-004	0.0159	0.0000	42.8422	42.8422	8.7000e-004	0.0000	42.8638
Total	**0.0214**	**0.0120**	**0.1459**	**4.7000e-004**	**0.0585**	**3.7000e-004**	**0.0588**	**0.0156**	**3.4000e-004**	**0.0159**	**0.0000**	**42.8422**	**42.8422**	**8.7000e-004**	**0.0000**	**42.8638**

3.7 Architectural Coating - 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					
Archit. Coating	1.0374					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0223	0.1495	0.2361	3.9000e-004		6.7200e-003	6.7200e-003		6.7200e-003	6.7200e-003	0.0000	33.3200	33.3200	1.8200e-003	0.0000	33.3654
Total	**1.0597**	**0.1495**	**0.2361**	**3.9000e-004**		**6.7200e-003**	**6.7200e-003**		**6.7200e-003**	**6.7200e-003**	**0.0000**	**33.3200**	**33.3200**	**1.8200e-003**	**0.0000**	**33.3654**

3.7 Architectural Coating - 2026

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	0.0203	0.0109	0.1358	4.6000e-004	0.0585	3.6000e-004	0.0588	0.0156	3.3000e-004	0.0159	0.0000	41.2505	41.2505	7.9000e-004	0.0000	41.2701
Total	**0.0203**	**0.0109**	**0.1358**	**4.6000e-004**	**0.0585**	**3.6000e-004**	**0.0588**	**0.0156**	**3.3000e-004**	**0.0159**	**0.0000**	**41.2505**	**41.2505**	**7.9000e-004**	**0.0000**	**41.2701**

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	1.0374					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0223	0.1495	0.2361	3.9000e-004		6.7200e-003	6.7200e-003		6.7200e-003	6.7200e-003	0.0000	33.3199	33.3199	1.8200e-003	0.0000	33.3654
Total	**1.0597**	**0.1495**	**0.2361**	**3.9000e-004**		**6.7200e-003**	**6.7200e-003**		**6.7200e-003**	**6.7200e-003**	**0.0000**	**33.3199**	**33.3199**	**1.8200e-003**	**0.0000**	**33.3654**

3.7 Architectural Coating - 2026

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	0.0203	0.0109	0.1358	4.6000e-004	0.0585	3.6000e-004	0.0588	0.0156	3.3000e-004	0.0159	0.0000	41.2505	41.2505	7.9000e-004	0.0000	41.2701
Total	**0.0203**	**0.0109**	**0.1358**	**4.6000e-004**	**0.0585**	**3.6000e-004**	**0.0588**	**0.0156**	**3.3000e-004**	**0.0159**	**0.0000**	**41.2505**	**41.2505**	**7.9000e-004**	**0.0000**	**41.2701**

3.7 Architectural Coating - 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					
Archit. Coating	0.3140					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.7500e-003	0.0453	0.0715	1.2000e-004		2.0300e-003	2.0300e-003		2.0300e-003	2.0300e-003	0.0000	10.0854	10.0854	5.5000e-004	0.0000	10.0991
Total	**0.3207**	**0.0453**	**0.0715**	**1.2000e-004**		**2.0300e-003**	**2.0300e-003**		**2.0300e-003**	**2.0300e-003**	**0.0000**	**10.0854**	**10.0854**	**5.5000e-004**	**0.0000**	**10.0991**

3.7 Architectural Coating - 2027

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	5.8100e-003	3.0300e-003	0.0383	1.3000e-004	0.0177	1.0000e-004	0.0178	4.7100e-003	1.0000e-004	4.8000e-003	0.0000	12.0545	12.0545	2.2000e-004	0.0000	12.0599
Total	**5.8100e-003**	**3.0300e-003**	**0.0383**	**1.3000e-004**	**0.0177**	**1.0000e-004**	**0.0178**	**4.7100e-003**	**1.0000e-004**	**4.8000e-003**	**0.0000**	**12.0545**	**12.0545**	**2.2000e-004**	**0.0000**	**12.0599**

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	0.3140					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.7500e-003	0.0453	0.0715	1.2000e-004		2.0300e-003	2.0300e-003		2.0300e-003	2.0300e-003	0.0000	10.0853	10.0853	5.5000e-004	0.0000	10.0991
Total	**0.3207**	**0.0453**	**0.0715**	**1.2000e-004**		**2.0300e-003**	**2.0300e-003**		**2.0300e-003**	**2.0300e-003**	**0.0000**	**10.0853**	**10.0853**	**5.5000e-004**	**0.0000**	**10.0991**

3.7 Architectural Coating - 2027

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	5.8100e-003	3.0300e-003	0.0383	1.3000e-004	0.0177	1.0000e-004	0.0178	4.7100e-003	1.0000e-004	4.8000e-003	0.0000	12.0545	12.0545	2.2000e-004	0.0000	12.0599
Total	**5.8100e-003**	**3.0300e-003**	**0.0383**	**1.3000e-004**	**0.0177**	**1.0000e-004**	**0.0178**	**4.7100e-003**	**1.0000e-004**	**4.8000e-003**	**0.0000**	**12.0545**	**12.0545**	**2.2000e-004**	**0.0000**	**12.0599**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Improve Pedestrian Network

Provide Traffic Calming Measures

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.8649	3.8186	9.6135	0.0372	3.8780	0.0272	3.9052	1.0387	0.0253	1.0640	0.0000	3,433.9107	3,433.9107	0.1404	0.0000	3,437.4209
Unmitigated	0.8806	3.9058	10.0036	0.0390	4.0821	0.0284	4.1105	1.0934	0.0264	1.1198	0.0000	3,601.6779	3,601.6779	0.1460	0.0000	3,605.3281

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
Elementary School	793.98	0.00	0.00	1,192,587	1,132,957
Other Asphalt Surfaces	0.00	0.00	0.00		
Single Family Housing	3,707.01	4,340.58	3775.56	9,769,985	9,281,486
Total	4,500.99	4,340.58	3,775.56	10,962,572	10,414,443

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	10.00	5.00	6.50	33.00	48.00	19.00	66	28	6
Elementary School	10.00	5.00	6.50	65.00	30.00	5.00	63	25	12
Other Asphalt Surfaces	10.00	5.00	6.50	0.00	0.00	0.00	0	0	0
Single Family Housing	10.00	5.00	6.50	46.50	12.50	41.00	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.574521	0.035271	0.210873	0.107638	0.013399	0.004562	0.018333	0.025065	0.001898	0.001611	0.005555	0.000614	0.000658
Elementary School	0.574521	0.035271	0.210873	0.107638	0.013399	0.004562	0.018333	0.025065	0.001898	0.001611	0.005555	0.000614	0.000658
Other Asphalt Surfaces	0.574521	0.035271	0.210873	0.107638	0.013399	0.004562	0.018333	0.025065	0.001898	0.001611	0.005555	0.000614	0.000658
Single Family Housing	0.574521	0.035271	0.210873	0.107638	0.013399	0.004562	0.018333	0.025065	0.001898	0.001611	0.005555	0.000614	0.000658

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	524.7198	524.7198	0.0510	0.0106	529.1392
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	524.7198	524.7198	0.0510	0.0106	529.1392
NaturalGas Mitigated	0.0350	0.3006	0.1390	1.9100e-003		0.0242	0.0242		0.0242	0.0242	0.0000	346.2164	346.2164	6.6400e-003	6.3500e-003	348.2738
NaturalGas Unmitigated	0.0350	0.3006	0.1390	1.9100e-003		0.0242	0.0242		0.0242	0.0242	0.0000	346.2164	346.2164	6.6400e-003	6.3500e-003	348.2738

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Elementary School	545763	2.9400e-003	0.0268	0.0225	1.6000e-004		2.0300e-003	2.0300e-003		2.0300e-003	2.0300e-003	0.0000	29.1240	29.1240	5.6000e-004	5.3000e-004	29.2971
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	5.94209e+006	0.0320	0.2738	0.1165	1.7500e-003		0.0221	0.0221		0.0221	0.0221	0.0000	317.0924	317.0924	6.0800e-003	5.8100e-003	318.9767
Total		**0.0350**	**0.3006**	**0.1390**	**1.9100e-003**		**0.0242**	**0.0242**		**0.0242**	**0.0242**	**0.0000**	**346.2164**	**346.2164**	**6.6400e-003**	**6.3400e-003**	**348.2738**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
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	545763	2.9400e-003	0.0268	0.0225	1.6000e-004		2.0300e-003	2.0300e-003		2.0300e-003	2.0300e-003	0.0000	29.1240	29.1240	5.6000e-004	5.3000e-004	29.2971
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	5.94209e+006	0.0320	0.2738	0.1165	1.7500e-003		0.0221	0.0221		0.0221	0.0221	0.0000	317.0924	317.0924	6.0800e-003	5.8100e-003	318.9767
Total		**0.0350**	**0.3006**	**0.1390**	**1.9100e-003**		**0.0242**	**0.0242**		**0.0242**	**0.0242**	**0.0000**	**346.2164**	**346.2164**	**6.6400e-003**	**6.3400e-003**	**348.2738**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
Elementary School	336336	45.5192	4.4200e-003	9.2000e-004	45.9026
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	3.54076e+006	479.2006	0.0466	9.6400e-003	483.2366
Total		**524.7198**	**0.0510**	**0.0106**	**529.1392**

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
Elementary School	336336	45.5192	4.4200e-003	9.2000e-004	45.9026
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	3.54076e+006	479.2006	0.0466	9.6400e-003	483.2366
Total		**524.7198**	**0.0510**	**0.0106**	**529.1392**

6.0 Area Detail

6.1 Mitigation Measures Area

Use only Natural Gas Hearths

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	3.9312	0.0521	4.5205	2.4000e-004		0.0251	0.0251		0.0251	0.0251	0.0000	7.3936	7.3936	7.1100e-003	0.0000	7.5713
Unmitigated	3.9312	0.0521	4.5205	2.4000e-004		0.0251	0.0251		0.0251	0.0251	0.0000	7.3936	7.3936	7.1100e-003	0.0000	7.5713

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.5167					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	3.2783					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.1362	0.0521	4.5205	2.4000e-004		0.0251	0.0251		0.0251	0.0251	0.0000	7.3936	7.3936	7.1100e-003	0.0000	7.5713
Total	**3.9312**	**0.0521**	**4.5205**	**2.4000e-004**		**0.0251**	**0.0251**		**0.0251**	**0.0251**	**0.0000**	**7.3936**	**7.3936**	**7.1100e-003**	**0.0000**	**7.5713**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.5167					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	3.2783					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.1362	0.0521	4.5205	2.4000e-004		0.0251	0.0251		0.0251	0.0251	0.0000	7.3936	7.3936	7.1100e-003	0.0000	7.5713
Total	**3.9312**	**0.0521**	**4.5205**	**2.4000e-004**		**0.0251**	**0.0251**		**0.0251**	**0.0251**	**0.0000**	**7.3936**	**7.3936**	**7.1100e-003**	**0.0000**	**7.5713**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	44.8546	0.0399	0.0238	52.9328
Unmitigated	44.8546	0.0399	0.0238	52.9328

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 7.86378	3.7250	3.6000e-004	7.0000e-005	3.7563
Elementary School	1.45454 / 3.74026	3.2672	2.0400e-003	1.1700e-003	3.6681
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	28.5375 / 17.991	37.8625	0.0375	0.0225	45.5083
Total		**44.8546**	**0.0399**	**0.0238**	**52.9328**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 7.86378	3.7250	3.6000e-004	7.0000e-005	3.7563
Elementary School	1.45454 / 3.74026	3.2672	2.0400e-003	1.1700e-003	3.6681
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	28.5375 / 17.991	37.8625	0.0375	0.0225	45.5083
Total		**44.8546**	**0.0399**	**0.0238**	**52.9328**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	107.7699	6.3690	0.0000	266.9955
Unmitigated	107.7699	6.3690	0.0000	266.9955

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0.57	0.1157	6.8400e-003	0.0000	0.2867
Elementary School	109.5	22.2275	1.3136	0.0000	55.0677
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	420.84	85.4267	5.0486	0.0000	211.6411
Total		**107.7699**	**6.3690**	**0.0000**	**266.9955**

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0.57	0.1157	6.8400e-003	0.0000	0.2867
Elementary School	109.5	22.2275	1.3136	0.0000	55.0677
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	420.84	85.4267	5.0486	0.0000	211.6411
Total		**107.7699**	**6.3690**	**0.0000**	**266.9955**

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Simmerhorn Ranch

Sacramento Metropolitan AQMD Air District, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Elementary School	600.00	Student	10.10	50,162.02	0
Other Asphalt Surfaces	9.03	1000sqft	0.21	9,025.00	0
City Park	6.60	Acre	6.60	287,496.00	0
Single Family Housing	438.00	Dwelling Unit	91.50	788,400.00	1169

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	3.5	**Precipitation Freq (Days)**	58
Climate Zone	6			**Operational Year**	2028
Utility Company	Sacramento Municipal Utility District				
CO2 Intensity (lb/MWhr)	298.37	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Simmerhorn Ranch - Sacramento Metropolitan AQMD Air District, Summer

Project Characteristics - CO2 intensity factor updated to reflect SMUD's projected RPS standards.

Land Use - Lot acreages updated per the preliminary site plans from September 2019 and information provided by the project applicant.

Construction Phase - Total days updated per the tentative schedule provided by the project applicant on the submitted air quality questionnaire.

Demolition -

Grading - Total acres graded updated per applicant-provided information.

Vehicle Trips - Updated weekday trip rates updated per the GHD Traffic Impact Study prepared for the proposed project. City park trip generation rate is set to zero because the applicant intends that all park visitors will access the site by foot.

Woodstoves - Applicant indicated that the proposed residents would have a natural gas fireplace.

Energy Use - Title 24 electricity and natural gas energy intensities are adjusted to comply with the 2019 CBSC.

Mobile Land Use Mitigation -

Area Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	200.00	10.00
tblConstructionPhase	NumDays	120.00	20.00
tblConstructionPhase	NumDays	310.00	40.00
tblConstructionPhase	NumDays	220.00	200.00
tblConstructionPhase	NumDays	3,100.00	1,300.00
tblConstructionPhase	NumDays	220.00	1,300.00
tblConstructionPhase	PhaseEndDate	9/4/2020	12/13/2019
tblConstructionPhase	PhaseEndDate	2/19/2021	5/12/2021
tblConstructionPhase	PhaseEndDate	4/29/2022	7/7/2021
tblConstructionPhase	PhaseEndDate	1/19/2035	4/13/2022
tblConstructionPhase	PhaseEndDate	3/17/2034	4/7/2027
tblConstructionPhase	PhaseEndDate	11/23/2035	4/21/2027
tblConstructionPhase	PhaseStartDate	9/5/2020	4/15/2021
tblConstructionPhase	PhaseStartDate	2/20/2021	5/13/2021
tblConstructionPhase	PhaseStartDate	3/18/2034	7/8/2021

tblConstructionPhase	PhaseStartDate	4/30/2022	4/14/2022
tblConstructionPhase	PhaseStartDate	1/20/2035	4/28/2022
tblEnergyUse	T24E	2.05	1.44
tblEnergyUse	T24E	678.97	319.12
tblEnergyUse	T24NG	14.60	10.22
tblEnergyUse	T24NG	23,147.69	10,879.41
tblGrading	AcresOfGrading	100.00	119.00
tblLandUse	LandUseSquareFeet	9,030.00	9,025.00
tblLandUse	LotAcreage	1.15	10.10
tblLandUse	LotAcreage	142.21	91.50
tblProjectCharacteristics	CO2IntensityFactor	590.31	298.37
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	1.29	1.32
tblVehicleTrips	WD_TR	9.52	8.46

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2019	3.7423	41.2753	23.9444	0.0546	4.5359	1.8192	6.3550	0.7385	1.6929	2.4314	0.0000	5,500.7222	5,500.7222	1.1563	0.0000	5,529.6286
2021	4.2713	46.4409	31.4768	0.0636	18.2032	2.0454	20.2486	9.9670	1.8818	11.8488	0.0000	6,160.3393	6,160.3393	1.9469	0.0000	6,209.0112
2022	11.5199	27.6268	30.6628	0.0823	3.3947	0.9340	4.3287	0.9145	0.8836	1.7982	0.0000	8,221.3586	8,221.3586	0.8413	0.0000	8,242.3921
2023	11.2221	24.7164	29.4656	0.0808	3.3946	0.8002	4.1947	0.9145	0.7569	1.6714	0.0000	8,071.2037	8,071.2037	0.8141	0.0000	8,091.5572
2024	11.0213	23.4753	28.5774	0.0797	3.3945	0.7029	4.0974	0.9145	0.6646	1.5791	0.0000	7,955.4576	7,955.4576	0.8022	0.0000	7,975.5128
2025	10.8304	22.2270	27.7655	0.0785	3.3945	0.6068	4.0013	0.9145	0.5737	1.4882	0.0000	7,841.5173	7,841.5173	0.7918	0.0000	7,861.3114
2026	10.7620	22.0408	27.1386	0.0775	3.3944	0.6058	4.0002	0.9145	0.5727	1.4872	0.0000	7,738.5048	7,738.5048	0.7860	0.0000	7,758.1556
2027	10.6961	21.8705	26.5759	0.0765	3.3944	0.6045	3.9989	0.9144	0.5715	1.4859	0.0000	7,645.7574	7,645.7574	0.7808	0.0000	7,665.2764
Maximum	**11.5199**	**46.4409**	**31.4768**	**0.0823**	**18.2032**	**2.0454**	**20.2486**	**9.9670**	**1.8818**	**11.8488**	**0.0000**	**8,221.3586**	**8,221.3586**	**1.9469**	**0.0000**	**8,242.3921**

2.1 Overall Construction (Maximum Daily Emission)

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2019	3.7423	41.2753	23.9444	0.0546	4.5359	1.8192	6.3550	0.7385	1.6929	2.4314	0.0000	5,500.7222	5,500.7222	1.1563	0.0000	5,529.6286
2021	4.2713	46.4409	31.4768	0.0636	18.2032	2.0454	20.2486	9.9670	1.8818	11.8488	0.0000	6,160.3392	6,160.3392	1.9469	0.0000	6,209.0112
2022	11.5199	27.6268	30.6628	0.0823	3.3947	0.9340	4.3287	0.9145	0.8836	1.7982	0.0000	8,221.3586	8,221.3586	0.8413	0.0000	8,242.3921
2023	11.2221	24.7164	29.4656	0.0808	3.3946	0.8002	4.1947	0.9145	0.7569	1.6714	0.0000	8,071.2037	8,071.2037	0.8141	0.0000	8,091.5572
2024	11.0213	23.4753	28.5774	0.0797	3.3945	0.7029	4.0974	0.9145	0.6646	1.5791	0.0000	7,955.4576	7,955.4576	0.8022	0.0000	7,975.5128
2025	10.8304	22.2270	27.7655	0.0785	3.3945	0.6068	4.0013	0.9145	0.5737	1.4882	0.0000	7,841.5173	7,841.5173	0.7918	0.0000	7,861.3114
2026	10.7620	22.0408	27.1386	0.0775	3.3944	0.6058	4.0002	0.9145	0.5727	1.4872	0.0000	7,738.5048	7,738.5048	0.7860	0.0000	7,758.1556
2027	10.6961	21.8705	26.5759	0.0765	3.3944	0.6045	3.9989	0.9144	0.5715	1.4859	0.0000	7,645.7574	7,645.7574	0.7808	0.0000	7,665.2764
Maximum	**11.5199**	**46.4409**	**31.4768**	**0.0823**	**18.2032**	**2.0454**	**20.2486**	**9.9670**	**1.8818**	**11.8488**	**0.0000**	**8,221.3586**	**8,221.3586**	**1.9469**	**0.0000**	**8,242.3921**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	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**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	21.8842	0.4164	36.1640	1.9100e-003		0.2005	0.2005		0.2005	0.2005	0.0000	65.2006	65.2006	0.0627	0.0000	66.7671
Energy	0.1917	1.6469	0.7616	0.0105		0.1324	0.1324		0.1324	0.1324		2,091.1685	2,091.1685	0.0401	0.0383	2,103.5953
Mobile	7.2715	24.3773	72.6093	0.2705	27.1290	0.1819	27.3109	7.2458	0.1691	7.4149		27,488.3201	27,488.3201	1.0526		27,514.6358
Total	**29.3473**	**26.4406**	**109.5349**	**0.2829**	**27.1290**	**0.5149**	**27.6439**	**7.2458**	**0.5021**	**7.7479**	**0.0000**	**29,644.6893**	**29,644.6893**	**1.1554**	**0.0383**	**29,684.9982**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	21.8842	0.4164	36.1640	1.9100e-003		0.2005	0.2005		0.2005	0.2005	0.0000	65.2006	65.2006	0.0627	0.0000	66.7671
Energy	0.1917	1.6469	0.7616	0.0105		0.1324	0.1324		0.1324	0.1324		2,091.1685	2,091.1685	0.0401	0.0383	2,103.5953
Mobile	7.1667	23.8600	69.5723	0.2579	25.7725	0.1742	25.9467	6.8835	0.1619	7.0454		26,204.9410	26,204.9410	1.0111		26,230.2176
Total	**29.2425**	**25.9233**	**106.4979**	**0.2702**	**25.7725**	**0.5071**	**26.2797**	**6.8835**	**0.4949**	**7.3784**	**0.0000**	**28,361.3102**	**28,361.3102**	**1.1138**	**0.0383**	**28,400.5800**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.36**	**1.96**	**2.77**	**4.47**	**5.00**	**1.51**	**4.93**	**5.00**	**1.44**	**4.77**	**0.00**	**4.33**	**4.33**	**3.60**	**0.00**	**4.33**

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	12/1/2019	12/13/2019	5	10	
2	Site Prep	Site Preparation	4/15/2021	5/12/2021	5	20	
3	Grading	Grading	5/13/2021	7/7/2021	5	40	
4	Building Construction	Building Construction	4/14/2022	4/7/2027	5	1300	
5	Paving	Paving	7/8/2021	4/13/2022	5	200	
6	Architectural Coating	Architectural Coating	4/28/2022	4/21/2027	5	1300	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 119

Acres of Paving: 0.21

Residential Indoor: 1,596,510; Residential Outdoor: 532,170; Non-Residential Indoor: 75,243; Non-Residential Outdoor: 25,081; Striped Parking Area: 542 (Architectural Coating – sqft)

OffRoad Equipment

Simmerhorn Ranch - Sacramento Metropolitan AQMD Air District, Summer

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 Prep	Rubber Tired Dozers	3	8.00	247	0.40
Site Prep	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	182.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Site Prep	7	18.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	303.00	104.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	61.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.1050	0.0000	4.1050	0.6216	0.0000	0.6216			0.0000			0.0000
Off-Road	3.5134	35.7830	22.0600	0.0388		1.7949	1.7949		1.6697	1.6697		3,816.8994	3,816.8994	1.0618		3,843.4451
Total	**3.5134**	**35.7830**	**22.0600**	**0.0388**	**4.1050**	**1.7949**	**5.8999**	**0.6216**	**1.6697**	**2.2912**		**3,816.8994**	**3,816.8994**	**1.0618**		**3,843.4451**

3.2 Demolition - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1586	5.4537	1.3428	0.0146	0.3167	0.0235	0.3402	0.0867	0.0225	0.1091		1,561.0266	1,561.0266	0.0906		1,563.2907
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0703	0.0386	0.5416	1.2300e-003	0.1141	8.1000e-004	0.1149	0.0303	7.5000e-004	0.0310		122.7963	122.7963	3.8600e-003		122.8929
Total	**0.2289**	**5.4923**	**1.8844**	**0.0158**	**0.4308**	**0.0243**	**0.4551**	**0.1170**	**0.0232**	**0.1402**		**1,683.8228**	**1,683.8228**	**0.0944**		**1,686.1835**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.1050	0.0000	4.1050	0.6216	0.0000	0.6216			0.0000			0.0000
Off-Road	3.5134	35.7830	22.0600	0.0388		1.7949	1.7949		1.6697	1.6697	0.0000	3,816.8994	3,816.8994	1.0618		3,843.4451
Total	**3.5134**	**35.7830**	**22.0600**	**0.0388**	**4.1050**	**1.7949**	**5.8999**	**0.6216**	**1.6697**	**2.2912**	**0.0000**	**3,816.8994**	**3,816.8994**	**1.0618**		**3,843.4451**

3.2 Demolition - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1586	5.4537	1.3428	0.0146	0.3167	0.0235	0.3402	0.0867	0.0225	0.1091		1,561.0266	1,561.0266	0.0906		1,563.2907
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0703	0.0386	0.5416	1.2300e-003	0.1141	8.1000e-004	0.1149	0.0303	7.5000e-004	0.0310		122.7963	122.7963	3.8600e-003		122.8929
Total	**0.2289**	**5.4923**	**1.8844**	**0.0158**	**0.4308**	**0.0243**	**0.4551**	**0.1170**	**0.0232**	**0.1402**		**1,683.8228**	**1,683.8228**	**0.0944**		**1,686.1835**

3.3 Site Prep - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	3.8882	40.4971	21.1543	0.0380		2.0445	2.0445		1.8809	1.8809		3,685.6569	3,685.6569	1.1920		3,715.4573
Total	**3.8882**	**40.4971**	**21.1543**	**0.0380**	**18.0663**	**2.0445**	**20.1107**	**9.9307**	**1.8809**	**11.8116**		**3,685.6569**	**3,685.6569**	**1.1920**		**3,715.4573**

3.3 Site Prep - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0721	0.0369	0.5385	1.3900e-003	0.1369	9.2000e-004	0.1379	0.0363	8.5000e-004	0.0372		137.9662	137.9662	3.6700e-003		138.0580
Total	**0.0721**	**0.0369**	**0.5385**	**1.3900e-003**	**0.1369**	**9.2000e-004**	**0.1379**	**0.0363**	**8.5000e-004**	**0.0372**		**137.9662**	**137.9662**	**3.6700e-003**		**138.0580**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	3.8882	40.4971	21.1543	0.0380		2.0445	2.0445		1.8809	1.8809	0.0000	3,685.6569	3,685.6569	1.1920		3,715.4573
Total	**3.8882**	**40.4971**	**21.1543**	**0.0380**	**18.0663**	**2.0445**	**20.1107**	**9.9307**	**1.8809**	**11.8116**	**0.0000**	**3,685.6569**	**3,685.6569**	**1.1920**		**3,715.4573**

3.3 Site Prep - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0721	0.0369	0.5385	1.3900e-003	0.1369	9.2000e-004	0.1379	0.0363	8.5000e-004	0.0372		137.9662	137.9662	3.6700e-003		138.0580
Total	**0.0721**	**0.0369**	**0.5385**	**1.3900e-003**	**0.1369**	**9.2000e-004**	**0.1379**	**0.0363**	**8.5000e-004**	**0.0372**		**137.9662**	**137.9662**	**3.6700e-003**		**138.0580**

3.4 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					9.1771	0.0000	9.1771	3.6509	0.0000	3.6509			0.0000			0.0000
Off-Road	4.1912	46.3998	30.8785	0.0620		1.9853	1.9853		1.8265	1.8265		6,007.0434	6,007.0434	1.9428		6,055.6134
Total	**4.1912**	**46.3998**	**30.8785**	**0.0620**	**9.1771**	**1.9853**	**11.1624**	**3.6509**	**1.8265**	**5.4774**		**6,007.0434**	**6,007.0434**	**1.9428**		**6,055.6134**

3.4 Grading - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0802	0.0410	0.5983	1.5400e-003	0.1521	1.0300e-003	0.1532	0.0404	9.5000e-004	0.0413		153.2958	153.2958	4.0800e-003		153.3978
Total	**0.0802**	**0.0410**	**0.5983**	**1.5400e-003**	**0.1521**	**1.0300e-003**	**0.1532**	**0.0404**	**9.5000e-004**	**0.0413**		**153.2958**	**153.2958**	**4.0800e-003**		**153.3978**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					9.1771	0.0000	9.1771	3.6509	0.0000	3.6509			0.0000			0.0000
Off-Road	4.1912	46.3998	30.8785	0.0620		1.9853	1.9853		1.8265	1.8265	0.0000	6,007.0434	6,007.0434	1.9428		6,055.6134
Total	**4.1912**	**46.3998**	**30.8785**	**0.0620**	**9.1771**	**1.9853**	**11.1624**	**3.6509**	**1.8265**	**5.4774**	**0.0000**	**6,007.0434**	**6,007.0434**	**1.9428**		**6,055.6134**

3.4 Grading - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0802	0.0410	0.5983	1.5400e-003	0.1521	1.0300e-003	0.1532	0.0404	9.5000e-004	0.0413		153.2958	153.2958	4.0800e-003		153.3978
Total	**0.0802**	**0.0410**	**0.5983**	**1.5400e-003**	**0.1521**	**1.0300e-003**	**0.1532**	**0.0404**	**9.5000e-004**	**0.0413**		**153.2958**	**153.2958**	**4.0800e-003**		**153.3978**

3.5 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322
Total	**1.7062**	**15.6156**	**16.3634**	**0.0269**		**0.8090**	**0.8090**		**0.7612**	**0.7612**		**2,554.3336**	**2,554.3336**	**0.6120**		**2,569.6322**

3.5 Building Construction - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2982	9.9310	2.4576	0.0254	0.6257	0.0251	0.6508	0.1801	0.0240	0.2041		2,695.6489	2,695.6489	0.1443		2,699.2573
Worker	1.1335	0.5591	8.3476	0.0225	2.3049	0.0152	2.3201	0.6114	0.0140	0.6254		2,239.1434	2,239.1434	0.0556		2,240.5322
Total	**1.4317**	**10.4901**	**10.8052**	**0.0479**	**2.9306**	**0.0403**	**2.9709**	**0.7915**	**0.0380**	**0.8294**		**4,934.7924**	**4,934.7924**	**0.1999**		**4,939.7895**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322
Total	**1.7062**	**15.6156**	**16.3634**	**0.0269**		**0.8090**	**0.8090**		**0.7612**	**0.7612**	**0.0000**	**2,554.3336**	**2,554.3336**	**0.6120**		**2,569.6322**

3.5 Building Construction - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2982	9.9310	2.4576	0.0254	0.6257	0.0251	0.6508	0.1801	0.0240	0.2041		2,695.6489	2,695.6489	0.1443		2,699.2573
Worker	1.1335	0.5591	8.3476	0.0225	2.3049	0.0152	2.3201	0.6114	0.0140	0.6254		2,239.1434	2,239.1434	0.0556		2,240.5322
Total	**1.4317**	**10.4901**	**10.8052**	**0.0479**	**2.9306**	**0.0403**	**2.9709**	**0.7915**	**0.0380**	**0.8294**		**4,934.7924**	**4,934.7924**	**0.1999**		**4,939.7895**

3.5 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061
Total	**1.5728**	**14.3849**	**16.2440**	**0.0269**		**0.6997**	**0.6997**		**0.6584**	**0.6584**		**2,555.2099**	**2,555.2099**	**0.6079**		**2,570.4061**

3.5 Building Construction - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2357	8.4239	2.1801	0.0249	0.6257	0.0118	0.6375	0.1800	0.0113	0.1913		2,645.7478	2,645.7478	0.1296		2,648.9888
Worker	1.0595	0.5033	7.6836	0.0216	2.3049	0.0148	2.3197	0.6114	0.0136	0.6250		2,154.9609	2,154.9609	0.0498		2,156.2058
Total	**1.2952**	**8.9272**	**9.8637**	**0.0466**	**2.9306**	**0.0266**	**2.9572**	**0.7914**	**0.0249**	**0.8164**		**4,800.7087**	**4,800.7087**	**0.1794**		**4,805.1945**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061
Total	**1.5728**	**14.3849**	**16.2440**	**0.0269**		**0.6997**	**0.6997**		**0.6584**	**0.6584**	**0.0000**	**2,555.2099**	**2,555.2099**	**0.6079**		**2,570.4061**

3.5 Building Construction - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2357	8.4239	2.1801	0.0249	0.6257	0.0118	0.6375	0.1800	0.0113	0.1913		2,645.7478	2,645.7478	0.1296		2,648.9888
Worker	1.0595	0.5033	7.6836	0.0216	2.3049	0.0148	2.3197	0.6114	0.0136	0.6250		2,154.9609	2,154.9609	0.0498		2,156.2058
Total	**1.2952**	**8.9272**	**9.8637**	**0.0466**	**2.9306**	**0.0266**	**2.9572**	**0.7914**	**0.0249**	**0.8164**		**4,800.7087**	**4,800.7087**	**0.1794**		**4,805.1945**

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	lb/day										lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077
Total	**1.4716**	**13.4438**	**16.1668**	**0.0270**		**0.6133**	**0.6133**		**0.5769**	**0.5769**		**2,555.6989**	**2,555.6989**	**0.6044**		**2,570.8077**

3.5 Building Construction - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2245	8.2661	2.0377	0.0248	0.6256	0.0113	0.6369	0.1800	0.0108	0.1908		2,630.2796	2,630.2796	0.1281		2,633.4807
Worker	0.9949	0.4550	7.1278	0.0208	2.3049	0.0145	2.3194	0.6114	0.0133	0.6247		2,071.0808	2,071.0808	0.0449		2,072.2038
Total	**1.2194**	**8.7211**	**9.1655**	**0.0456**	**2.9305**	**0.0257**	**2.9562**	**0.7914**	**0.0241**	**0.8155**		**4,701.3604**	**4,701.3604**	**0.1730**		**4,705.6846**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077
Total	**1.4716**	**13.4438**	**16.1668**	**0.0270**		**0.6133**	**0.6133**		**0.5769**	**0.5769**	**0.0000**	**2,555.6989**	**2,555.6989**	**0.6044**		**2,570.8077**

3.5 Building Construction - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2245	8.2661	2.0377	0.0248	0.6256	0.0113	0.6369	0.1800	0.0108	0.1908		2,630.2796	2,630.2796	0.1281		2,633.4807
Worker	0.9949	0.4550	7.1278	0.0208	2.3049	0.0145	2.3194	0.6114	0.0133	0.6247		2,071.0808	2,071.0808	0.0449		2,072.2038
Total	**1.2194**	**8.7211**	**9.1655**	**0.0456**	**2.9305**	**0.0257**	**2.9562**	**0.7914**	**0.0241**	**0.8155**		**4,701.3604**	**4,701.3604**	**0.1730**		**4,705.6846**

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	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**		**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

3.5 Building Construction - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2154	8.1153	1.9295	0.0246	0.6255	0.0107	0.6362	0.1800	0.0102	0.1902		2,615.3066	2,615.3066	0.1265		2,618.4702
Worker	0.9386	0.4133	6.6112	0.0200	2.3049	0.0142	2.3191	0.6114	0.0131	0.6245		1,988.0531	1,988.0531	0.0407		1,989.0713
Total	**1.1539**	**8.5286**	**8.5407**	**0.0446**	**2.9305**	**0.0249**	**2.9554**	**0.7914**	**0.0233**	**0.8147**		**4,603.3598**	**4,603.3598**	**0.1673**		**4,607.5414**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**	**0.0000**	**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

3.5 Building Construction - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2154	8.1153	1.9295	0.0246	0.6255	0.0107	0.6362	0.1800	0.0102	0.1902		2,615.3066	2,615.3066	0.1265		2,618.4702
Worker	0.9386	0.4133	6.6112	0.0200	2.3049	0.0142	2.3191	0.6114	0.0131	0.6245		1,988.0531	1,988.0531	0.0407		1,989.0713
Total	**1.1539**	**8.5286**	**8.5407**	**0.0446**	**2.9305**	**0.0249**	**2.9554**	**0.7914**	**0.0233**	**0.8147**		**4,603.3598**	**4,603.3598**	**0.1673**		**4,607.5414**

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	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**		**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

3.5 Building Construction - 2026

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2073	7.9719	1.8416	0.0245	0.6255	0.0101	0.6356	0.1800	9.6900e-003	0.1897		2,601.0692	2,601.0692	0.1252		2,604.1985
Worker	0.8885	0.3777	6.1625	0.0192	2.3049	0.0138	2.3187	0.6114	0.0127	0.6241		1,914.1553	1,914.1553	0.0371		1,915.0825
Total	**1.0957**	**8.3495**	**8.0041**	**0.0437**	**2.9304**	**0.0239**	**2.9543**	**0.7914**	**0.0224**	**0.8137**		**4,515.2244**	**4,515.2244**	**0.1623**		**4,519.2810**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**	**0.0000**	**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

3.5 Building Construction - 2026

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2073	7.9719	1.8416	0.0245	0.6255	0.0101	0.6356	0.1800	9.6900e-003	0.1897		2,601.0692	2,601.0692	0.1252		2,604.1985
Worker	0.8885	0.3777	6.1625	0.0192	2.3049	0.0138	2.3187	0.6114	0.0127	0.6241		1,914.1553	1,914.1553	0.0371		1,915.0825
Total	**1.0957**	**8.3495**	**8.0041**	**0.0437**	**2.9304**	**0.0239**	**2.9543**	**0.7914**	**0.0224**	**0.8137**		**4,515.2244**	**4,515.2244**	**0.1623**		**4,519.2810**

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	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**		**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

3.5 Building Construction - 2027

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2001	7.8401	1.7653	0.0243	0.6254	9.6700e-003	0.6351	0.1800	9.2400e-003	0.1892		2,587.6856	2,587.6856	0.1238		2,590.7817
Worker	0.8395	0.3457	5.7577	0.0185	2.3049	0.0131	2.3180	0.6114	0.0121	0.6235		1,848.0913	1,848.0913	0.0338		1,848.9366
Total	**1.0397**	**8.1858**	**7.5230**	**0.0429**	**2.9304**	**0.0228**	**2.9531**	**0.7914**	**0.0213**	**0.8126**		**4,435.7770**	**4,435.7770**	**0.1577**		**4,439.7183**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**	**0.0000**	**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

3.5 Building Construction - 2027

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2001	7.8401	1.7653	0.0243	0.6254	9.6700e-003	0.6351	0.1800	9.2400e-003	0.1892		2,587.6856	2,587.6856	0.1238		2,590.7817
Worker	0.8395	0.3457	5.7577	0.0185	2.3049	0.0131	2.3180	0.6114	0.0121	0.6235		1,848.0913	1,848.0913	0.0338		1,848.9366
Total	**1.0397**	**8.1858**	**7.5230**	**0.0429**	**2.9304**	**0.0228**	**2.9531**	**0.7914**	**0.0213**	**0.8126**		**4,435.7770**	**4,435.7770**	**0.1577**		**4,439.7183**

3.6 Paving - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235		2,207.2109	2,207.2109	0.7139		2,225.0573
Paving	2.7500e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.2583**	**12.9191**	**14.6532**	**0.0228**		**0.6777**	**0.6777**		**0.6235**	**0.6235**		**2,207.2109**	**2,207.2109**	**0.7139**		**2,225.0573**

3.6 Paving - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0601	0.0308	0.4487	1.1500e-003	0.1141	7.7000e-004	0.1149	0.0303	7.1000e-004	0.0310		114.9719	114.9719	3.0600e-003		115.0483
Total	**0.0601**	**0.0308**	**0.4487**	**1.1500e-003**	**0.1141**	**7.7000e-004**	**0.1149**	**0.0303**	**7.1000e-004**	**0.0310**		**114.9719**	**114.9719**	**3.0600e-003**		**115.0483**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235	0.0000	2,207.2109	2,207.2109	0.7139		2,225.0573
Paving	2.7500e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.2583**	**12.9191**	**14.6532**	**0.0228**		**0.6777**	**0.6777**		**0.6235**	**0.6235**	**0.0000**	**2,207.2109**	**2,207.2109**	**0.7139**		**2,225.0573**

3.6 Paving - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0601	0.0308	0.4487	1.1500e-003	0.1141	7.7000e-004	0.1149	0.0303	7.1000e-004	0.0310		114.9719	114.9719	3.0600e-003		115.0483
Total	**0.0601**	**0.0308**	**0.4487**	**1.1500e-003**	**0.1141**	**7.7000e-004**	**0.1149**	**0.0303**	**7.1000e-004**	**0.0310**		**114.9719**	**114.9719**	**3.0600e-003**		**115.0483**

3.6 Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225		2,207.6603	2,207.6603	0.7140		2,225.5104
Paving	2.7500e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.1056**	**11.1249**	**14.5805**	**0.0228**		**0.5679**	**0.5679**		**0.5225**	**0.5225**		**2,207.6603**	**2,207.6603**	**0.7140**		**2,225.5104**

3.6 Paving - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0561	0.0277	0.4133	1.1100e-003	0.1141	7.5000e-004	0.1149	0.0303	6.9000e-004	0.0310		110.8487	110.8487	2.7500e-003		110.9174
Total	**0.0561**	**0.0277**	**0.4133**	**1.1100e-003**	**0.1141**	**7.5000e-004**	**0.1149**	**0.0303**	**6.9000e-004**	**0.0310**		**110.8487**	**110.8487**	**2.7500e-003**		**110.9174**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225	0.0000	2,207.6603	2,207.6603	0.7140		2,225.5104
Paving	2.7500e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.1056**	**11.1249**	**14.5805**	**0.0228**		**0.5679**	**0.5679**		**0.5225**	**0.5225**	**0.0000**	**2,207.6603**	**2,207.6603**	**0.7140**		**2,225.5104**

3.6 Paving - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0561	0.0277	0.4133	1.1100e-003	0.1141	7.5000e-004	0.1149	0.0303	6.9000e-004	0.0310		110.8487	110.8487	2.7500e-003		110.9174
Total	**0.0561**	**0.0277**	**0.4133**	**1.1100e-003**	**0.1141**	**7.5000e-004**	**0.1149**	**0.0303**	**6.9000e-004**	**0.0310**		**110.8487**	**110.8487**	**2.7500e-003**		**110.9174**

3.7 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	7.9492					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
Total	**8.1537**	**1.4085**	**1.8136**	**2.9700e-003**		**0.0817**	**0.0817**		**0.0817**	**0.0817**		**281.4481**	**281.4481**	**0.0183**		**281.9062**

3.7 Architectural Coating - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2282	0.1126	1.6805	4.5300e-003	0.4640	3.0500e-003	0.4671	0.1231	2.8100e-003	0.1259		450.7847	450.7847	0.0112		451.0642
Total	**0.2282**	**0.1126**	**1.6805**	**4.5300e-003**	**0.4640**	**3.0500e-003**	**0.4671**	**0.1231**	**2.8100e-003**	**0.1259**		**450.7847**	**450.7847**	**0.0112**		**451.0642**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	7.9492					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062
Total	**8.1537**	**1.4085**	**1.8136**	**2.9700e-003**		**0.0817**	**0.0817**		**0.0817**	**0.0817**	**0.0000**	**281.4481**	**281.4481**	**0.0183**		**281.9062**

3.7 Architectural Coating - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2282	0.1126	1.6805	4.5300e-003	0.4640	3.0500e-003	0.4671	0.1231	2.8100e-003	0.1259		450.7847	450.7847	0.0112		451.0642
Total	**0.2282**	**0.1126**	**1.6805**	**4.5300e-003**	**0.4640**	**3.0500e-003**	**0.4671**	**0.1231**	**2.8100e-003**	**0.1259**		**450.7847**	**450.7847**	**0.0112**		**451.0642**

3.7 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	7.9492					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690
Total	**8.1409**	**1.3030**	**1.8111**	**2.9700e-003**		**0.0708**	**0.0708**		**0.0708**	**0.0708**		**281.4481**	**281.4481**	**0.0168**		**281.8690**

3.7 Architectural Coating - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2133	0.1013	1.5469	4.3600e-003	0.4640	2.9800e-003	0.4670	0.1231	2.7400e-003	0.1258		433.8370	433.8370	0.0100		434.0876
Total	**0.2133**	**0.1013**	**1.5469**	**4.3600e-003**	**0.4640**	**2.9800e-003**	**0.4670**	**0.1231**	**2.7400e-003**	**0.1258**		**433.8370**	**433.8370**	**0.0100**		**434.0876**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	7.9492					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690
Total	**8.1409**	**1.3030**	**1.8111**	**2.9700e-003**		**0.0708**	**0.0708**		**0.0708**	**0.0708**	**0.0000**	**281.4481**	**281.4481**	**0.0168**		**281.8690**

3.7 Architectural Coating - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2133	0.1013	1.5469	4.3600e-003	0.4640	2.9800e-003	0.4670	0.1231	2.7400e-003	0.1258		433.8370	433.8370	0.0100		434.0876
Total	**0.2133**	**0.1013**	**1.5469**	**4.3600e-003**	**0.4640**	**2.9800e-003**	**0.4670**	**0.1231**	**2.7400e-003**	**0.1258**		**433.8370**	**433.8370**	**0.0100**		**434.0876**

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	lb/day										lb/day					
Archit. Coating	7.9492					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443
Total	**8.1300**	**1.2188**	**1.8101**	**2.9700e-003**		**0.0609**	**0.0609**		**0.0609**	**0.0609**		**281.4481**	**281.4481**	**0.0159**		**281.8443**

3.7 Architectural Coating - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2003	0.0916	1.4350	4.1800e-003	0.4640	2.9100e-003	0.4669	0.1231	2.6800e-003	0.1258		416.9503	416.9503	9.0400e-003		417.1764
Total	**0.2003**	**0.0916**	**1.4350**	**4.1800e-003**	**0.4640**	**2.9100e-003**	**0.4669**	**0.1231**	**2.6800e-003**	**0.1258**		**416.9503**	**416.9503**	**9.0400e-003**		**417.1764**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	7.9492					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.8443
Total	**8.1300**	**1.2188**	**1.8101**	**2.9700e-003**		**0.0609**	**0.0609**		**0.0609**	**0.0609**	**0.0000**	**281.4481**	**281.4481**	**0.0159**		**281.8443**

3.7 Architectural Coating - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2003	0.0916	1.4350	4.1800e-003	0.4640	2.9100e-003	0.4669	0.1231	2.6800e-003	0.1258		416.9503	416.9503	9.0400e-003		417.1764
Total	**0.2003**	**0.0916**	**1.4350**	**4.1800e-003**	**0.4640**	**2.9100e-003**	**0.4669**	**0.1231**	**2.6800e-003**	**0.1258**		**416.9503**	**416.9503**	**9.0400e-003**		**417.1764**

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	lb/day										lb/day					
Archit. Coating	7.9492					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	**8.1201**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**		**281.4481**	**281.4481**	**0.0154**		**281.8319**

3.7 Architectural Coating - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1890	0.0832	1.3310	4.0200e-003	0.4640	2.8600e-003	0.4669	0.1231	2.6300e-003	0.1257		400.2351	400.2351	8.2000e-003		400.4401
Total	**0.1890**	**0.0832**	**1.3310**	**4.0200e-003**	**0.4640**	**2.8600e-003**	**0.4669**	**0.1231**	**2.6300e-003**	**0.1257**		**400.2351**	**400.2351**	**8.2000e-003**		**400.4401**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	7.9492					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319
Total	**8.1201**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**	**0.0000**	**281.4481**	**281.4481**	**0.0154**		**281.8319**

3.7 Architectural Coating - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1890	0.0832	1.3310	4.0200e-003	0.4640	2.8600e-003	0.4669	0.1231	2.6300e-003	0.1257		400.2351	400.2351	8.2000e-003		400.4401
Total	**0.1890**	**0.0832**	**1.3310**	**4.0200e-003**	**0.4640**	**2.8600e-003**	**0.4669**	**0.1231**	**2.6300e-003**	**0.1257**		**400.2351**	**400.2351**	**8.2000e-003**		**400.4401**

3.7 Architectural Coating - 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	lb/day										lb/day					
Archit. Coating	7.9492					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	**8.1201**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**		**281.4481**	**281.4481**	**0.0154**		**281.8319**

3.7 Architectural Coating - 2026

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1789	0.0760	1.2406	3.8700e-003	0.4640	2.7700e-003	0.4668	0.1231	2.5500e-003	0.1256		385.3580	385.3580	7.4700e-003		385.5447
Total	**0.1789**	**0.0760**	**1.2406**	**3.8700e-003**	**0.4640**	**2.7700e-003**	**0.4668**	**0.1231**	**2.5500e-003**	**0.1256**		**385.3580**	**385.3580**	**7.4700e-003**		**385.5447**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	7.9492					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319
Total	**8.1201**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**	**0.0000**	**281.4481**	**281.4481**	**0.0154**		**281.8319**

3.7 Architectural Coating - 2026

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1789	0.0760	1.2406	3.8700e-003	0.4640	2.7700e-003	0.4668	0.1231	2.5500e-003	0.1256		385.3580	385.3580	7.4700e-003		385.5447
Total	**0.1789**	**0.0760**	**1.2406**	**3.8700e-003**	**0.4640**	**2.7700e-003**	**0.4668**	**0.1231**	**2.5500e-003**	**0.1256**		**385.3580**	**385.3580**	**7.4700e-003**		**385.5447**

3.7 Architectural Coating - 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	lb/day										lb/day					
Archit. Coating	7.9492					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	**8.1201**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**		**281.4481**	**281.4481**	**0.0154**		**281.8319**

3.7 Architectural Coating - 2027

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1690	0.0696	1.1591	3.7300e-003	0.4640	2.6400e-003	0.4667	0.1231	2.4300e-003	0.1255		372.0580	372.0580	6.8100e-003		372.2282
Total	**0.1690**	**0.0696**	**1.1591**	**3.7300e-003**	**0.4640**	**2.6400e-003**	**0.4667**	**0.1231**	**2.4300e-003**	**0.1255**		**372.0580**	**372.0580**	**6.8100e-003**		**372.2282**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	7.9492					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319
Total	**8.1201**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**	**0.0000**	**281.4481**	**281.4481**	**0.0154**		**281.8319**

3.7 Architectural Coating - 2027

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1690	0.0696	1.1591	3.7300e-003	0.4640	2.6400e-003	0.4667	0.1231	2.4300e-003	0.1255		372.0580	372.0580	6.8100e-003		372.2282
Total	**0.1690**	**0.0696**	**1.1591**	**3.7300e-003**	**0.4640**	**2.6400e-003**	**0.4667**	**0.1231**	**2.4300e-003**	**0.1255**		**372.0580**	**372.0580**	**6.8100e-003**		**372.2282**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Improve Pedestrian Network

Provide Traffic Calming Measures

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	7.1667	23.8600	69.5723	0.2579	25.7725	0.1742	25.9467	6.8835	0.1619	7.0454		26,204.9410	26,204.9410	1.0111		26,230.2176
Unmitigated	7.2715	24.3773	72.6093	0.2705	27.1290	0.1819	27.3109	7.2458	0.1691	7.4149		27,488.3201	27,488.3201	1.0526		27,514.6358

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
Elementary School	793.98	0.00	0.00	1,192,587	1,132,957
Other Asphalt Surfaces	0.00	0.00	0.00		
Single Family Housing	3,707.01	4,340.58	3775.56	9,769,985	9,281,486
Total	4,500.99	4,340.58	3,775.56	10,962,572	10,414,443

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	10.00	5.00	6.50	33.00	48.00	19.00	66	28	6
Elementary School	10.00	5.00	6.50	65.00	30.00	5.00	63	25	12
Other Asphalt Surfaces	10.00	5.00	6.50	0.00	0.00	0.00	0	0	0
Single Family Housing	10.00	5.00	6.50	46.50	12.50	41.00	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.574521	0.035271	0.210873	0.107638	0.013399	0.004562	0.018333	0.025065	0.001898	0.001611	0.005555	0.000614	0.000658
Elementary School	0.574521	0.035271	0.210873	0.107638	0.013399	0.004562	0.018333	0.025065	0.001898	0.001611	0.005555	0.000614	0.000658
Other Asphalt Surfaces	0.574521	0.035271	0.210873	0.107638	0.013399	0.004562	0.018333	0.025065	0.001898	0.001611	0.005555	0.000614	0.000658
Single Family Housing	0.574521	0.035271	0.210873	0.107638	0.013399	0.004562	0.018333	0.025065	0.001898	0.001611	0.005555	0.000614	0.000658

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.1917	1.6469	0.7616	0.0105		0.1324	0.1324		0.1324	0.1324		2,091.1685	2,091.1685	0.0401	0.0383	2,103.5953
NaturalGas Unmitigated	0.1917	1.6469	0.7616	0.0105		0.1324	0.1324		0.1324	0.1324		2,091.1685	2,091.1685	0.0401	0.0383	2,103.5953

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
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
Elementary School	1495.24	0.0161	0.1466	0.1231	8.8000e-004		0.0111	0.0111		0.0111	0.0111		175.9107	175.9107	3.3700e-003	3.2300e-003	176.9560
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	16279.7	0.1756	1.5003	0.6384	9.5800e-003		0.1213	0.1213		0.1213	0.1213		1,915.2579	1,915.2579	0.0367	0.0351	1,926.6393
Total		**0.1917**	**1.6469**	**0.7616**	**0.0105**		**0.1324**	**0.1324**		**0.1324**	**0.1324**		**2,091.1685**	**2,091.1685**	**0.0401**	**0.0383**	**2,103.5953**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
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
Elementary School	1.49524	0.0161	0.1466	0.1231	8.8000e-004		0.0111	0.0111		0.0111	0.0111		175.9107	175.9107	3.3700e-003	3.2300e-003	176.9560
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	16.2797	0.1756	1.5003	0.6384	9.5800e-003		0.1213	0.1213		0.1213	0.1213		1,915.2579	1,915.2579	0.0367	0.0351	1,926.6393
Total		**0.1917**	**1.6469**	**0.7616**	**0.0105**		**0.1324**	**0.1324**		**0.1324**	**0.1324**		**2,091.1685**	**2,091.1685**	**0.0401**	**0.0383**	**2,103.5953**

6.0 Area Detail

6.1 Mitigation Measures Area

Use only Natural Gas Hearths

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	21.8842	0.4164	36.1640	1.9100e-003		0.2005	0.2005		0.2005	0.2005	0.0000	65.2006	65.2006	0.0627	0.0000	66.7671
Unmitigated	21.8842	0.4164	36.1640	1.9100e-003		0.2005	0.2005		0.2005	0.2005	0.0000	65.2006	65.2006	0.0627	0.0000	66.7671

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	2.8312					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	17.9632					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.0897	0.4164	36.1640	1.9100e-003		0.2005	0.2005		0.2005	0.2005		65.2006	65.2006	0.0627		66.7671
Total	**21.8842**	**0.4164**	**36.1640**	**1.9100e-003**		**0.2005**	**0.2005**		**0.2005**	**0.2005**	**0.0000**	**65.2006**	**65.2006**	**0.0627**	**0.0000**	**66.7671**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	2.8312					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	17.9632					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.0897	0.4164	36.1640	1.9100e-003		0.2005	0.2005		0.2005	0.2005		65.2006	65.2006	0.0627		66.7671
Total	**21.8842**	**0.4164**	**36.1640**	**1.9100e-003**		**0.2005**	**0.2005**		**0.2005**	**0.2005**	**0.0000**	**65.2006**	**65.2006**	**0.0627**	**0.0000**	**66.7671**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Simmerhorn Ranch

Sacramento Metropolitan AQMD Air District, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Elementary School	600.00	Student	10.10	50,162.02	0
Other Asphalt Surfaces	9.03	1000sqft	0.21	9,025.00	0
City Park	6.60	Acre	6.60	287,496.00	0
Single Family Housing	438.00	Dwelling Unit	91.50	788,400.00	1169

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	3.5	**Precipitation Freq (Days)**	58
Climate Zone	6			**Operational Year**	2028
Utility Company	Sacramento Municipal Utility District				
CO2 Intensity (lb/MWhr)	298.37	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Simmerhorn Ranch - Sacramento Metropolitan AQMD Air District, Winter

Project Characteristics - CO2 intensity factor updated to reflect SMUD's projected RPS standards.

Land Use - Lot acreages updated per the preliminary site plans from September 2019 and information provided by the project applicant.

Construction Phase - Total days updated per the tentative schedule provided by the project applicant on the submitted air quality questionnaire.

Demolition -

Grading - Total acres graded updated per applicant-provided information.

Vehicle Trips - Updated weekday trip rates updated per the GHD Traffic Impact Study prepared for the proposed project. City park trip generation rate is set to zero because the applicant intends that all park visitors will access the site by foot.

Woodstoves - Applicant indicated that the proposed residents would have a natural gas fireplace.

Energy Use - Title 24 electricity and natural gas energy intensities are adjusted to comply with the 2019 CBSC.

Mobile Land Use Mitigation -

Area Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	200.00	10.00
tblConstructionPhase	NumDays	120.00	20.00
tblConstructionPhase	NumDays	310.00	40.00
tblConstructionPhase	NumDays	220.00	200.00
tblConstructionPhase	NumDays	3,100.00	1,300.00
tblConstructionPhase	NumDays	220.00	1,300.00
tblConstructionPhase	PhaseEndDate	9/4/2020	12/13/2019
tblConstructionPhase	PhaseEndDate	2/19/2021	5/12/2021
tblConstructionPhase	PhaseEndDate	4/29/2022	7/7/2021
tblConstructionPhase	PhaseEndDate	1/19/2035	4/13/2022
tblConstructionPhase	PhaseEndDate	3/17/2034	4/7/2027
tblConstructionPhase	PhaseEndDate	11/23/2035	4/21/2027
tblConstructionPhase	PhaseStartDate	9/5/2020	4/15/2021
tblConstructionPhase	PhaseStartDate	2/20/2021	5/13/2021
tblConstructionPhase	PhaseStartDate	3/18/2034	7/8/2021

tblConstructionPhase	PhaseStartDate	4/30/2022	4/14/2022
tblConstructionPhase	PhaseStartDate	1/20/2035	4/28/2022
tblEnergyUse	T24E	2.05	1.44
tblEnergyUse	T24E	678.97	319.12
tblEnergyUse	T24NG	14.60	10.22
tblEnergyUse	T24NG	23,147.69	10,879.41
tblGrading	AcresOfGrading	100.00	119.00
tblLandUse	LandUseSquareFeet	9,030.00	9,025.00
tblLandUse	LotAcreage	1.15	10.10
tblLandUse	LotAcreage	142.21	91.50
tblProjectCharacteristics	CO2IntensityFactor	590.31	298.37
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	1.29	1.32
tblVehicleTrips	WD_TR	9.52	8.46

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2019	3.7424	41.5183	23.9662	0.0543	4.5359	1.8199	6.3558	0.7385	1.6936	2.4321	0.0000	5,462.3191	5,462.3191	1.1602	0.0000	5,491.3245
2021	4.2650	46.4505	31.3888	0.0634	18.2032	2.0454	20.2486	9.9670	1.8818	11.8488	0.0000	6,141.6763	6,141.6763	1.9464	0.0000	6,190.3360
2022	11.4323	27.9300	29.5471	0.0784	3.3947	0.9357	4.3303	0.9145	0.8852	1.7998	0.0000	7,824.2460	7,824.2460	0.8452	0.0000	7,845.3765
2023	11.1413	24.9424	28.3730	0.0770	3.3946	0.8012	4.1958	0.9145	0.7579	1.6724	0.0000	7,688.0054	7,688.0054	0.8171	0.0000	7,708.4323
2024	10.9486	23.6827	27.5416	0.0760	3.3945	0.7038	4.0983	0.9145	0.6655	1.5800	0.0000	7,585.3220	7,585.3220	0.8057	0.0000	7,605.4638
2025	10.7644	22.4186	26.7922	0.0750	3.3945	0.6076	4.0021	0.9145	0.5745	1.4890	0.0000	7,484.3388	7,484.3388	0.7957	0.0000	7,504.2301
2026	10.7028	22.2186	26.2196	0.0741	3.3944	0.6065	4.0009	0.9145	0.5734	1.4878	0.0000	7,392.8362	7,392.8362	0.7903	0.0000	7,412.5936
2027	10.6432	22.0359	25.7061	0.0732	3.3944	0.6051	3.9995	0.9144	0.5721	1.4865	0.0000	7,310.2753	7,310.2753	0.7854	0.0000	7,329.9092
Maximum	**11.4323**	**46.4505**	**31.3888**	**0.0784**	**18.2032**	**2.0454**	**20.2486**	**9.9670**	**1.8818**	**11.8488**	**0.0000**	**7,824.2460**	**7,824.2460**	**1.9464**	**0.0000**	**7,845.3765**

2.1 Overall Construction (Maximum Daily Emission)

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2019	3.7424	41.5183	23.9662	0.0543	4.5359	1.8199	6.3558	0.7385	1.6936	2.4321	0.0000	5,462.3190	5,462.3190	1.1602	0.0000	5,491.3245
2021	4.2650	46.4505	31.3888	0.0634	18.2032	2.0454	20.2486	9.9670	1.8818	11.8488	0.0000	6,141.6763	6,141.6763	1.9464	0.0000	6,190.3360
2022	11.4323	27.9300	29.5471	0.0784	3.3947	0.9357	4.3303	0.9145	0.8852	1.7998	0.0000	7,824.2460	7,824.2460	0.8452	0.0000	7,845.3765
2023	11.1413	24.9424	28.3730	0.0770	3.3946	0.8012	4.1958	0.9145	0.7579	1.6724	0.0000	7,688.0054	7,688.0054	0.8171	0.0000	7,708.4323
2024	10.9486	23.6827	27.5416	0.0760	3.3945	0.7038	4.0983	0.9145	0.6655	1.5800	0.0000	7,585.3220	7,585.3220	0.8057	0.0000	7,605.4638
2025	10.7644	22.4186	26.7922	0.0750	3.3945	0.6076	4.0021	0.9145	0.5745	1.4890	0.0000	7,484.3388	7,484.3388	0.7957	0.0000	7,504.2301
2026	10.7028	22.2186	26.2196	0.0741	3.3944	0.6065	4.0009	0.9145	0.5734	1.4878	0.0000	7,392.8362	7,392.8362	0.7903	0.0000	7,412.5936
2027	10.6432	22.0359	25.7061	0.0732	3.3944	0.6051	3.9995	0.9144	0.5721	1.4865	0.0000	7,310.2753	7,310.2753	0.7854	0.0000	7,329.9092
Maximum	**11.4323**	**46.4505**	**31.3888**	**0.0784**	**18.2032**	**2.0454**	**20.2486**	**9.9670**	**1.8818**	**11.8488**	**0.0000**	**7,824.2460**	**7,824.2460**	**1.9464**	**0.0000**	**7,845.3765**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	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**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	21.8842	0.4164	36.1640	1.9100e-003		0.2005	0.2005		0.2005	0.2005	0.0000	65.2006	65.2006	0.0627	0.0000	66.7671
Energy	0.1917	1.6469	0.7616	0.0105		0.1324	0.1324		0.1324	0.1324		2,091.1685	2,091.1685	0.0401	0.0383	2,103.5953
Mobile	5.2856	25.6649	66.2620	0.2449	27.1290	0.1833	27.3123	7.2458	0.1705	7.4163		24,923.4745	24,923.4745	1.0561		24,949.8771
Total	**27.3614**	**27.7282**	**103.1875**	**0.2573**	**27.1290**	**0.5163**	**27.6453**	**7.2458**	**0.5035**	**7.7492**	**0.0000**	**27,079.8437**	**27,079.8437**	**1.1588**	**0.0383**	**27,120.2395**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	21.8842	0.4164	36.1640	1.9100e-003		0.2005	0.2005		0.2005	0.2005	0.0000	65.2006	65.2006	0.0627	0.0000	66.7671
Energy	0.1917	1.6469	0.7616	0.0105		0.1324	0.1324		0.1324	0.1324		2,091.1685	2,091.1685	0.0401	0.0383	2,103.5953
Mobile	5.1840	25.0754	63.8204	0.2335	25.7725	0.1756	25.9481	6.8835	0.1633	7.0468		23,760.3124	23,760.3124	1.0167		23,785.7291
Total	**27.2599**	**27.1387**	**100.7460**	**0.2459**	**25.7725**	**0.5085**	**26.2811**	**6.8835**	**0.4963**	**7.3797**	**0.0000**	**25,916.6816**	**25,916.6816**	**1.1194**	**0.0383**	**25,956.0915**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.37**	**2.13**	**2.37**	**4.45**	**5.00**	**1.50**	**4.93**	**5.00**	**1.43**	**4.77**	**0.00**	**4.30**	**4.30**	**3.40**	**0.00**	**4.29**

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	12/1/2019	12/13/2019	5	10	
2	Site Prep	Site Preparation	4/15/2021	5/12/2021	5	20	
3	Grading	Grading	5/13/2021	7/7/2021	5	40	
4	Building Construction	Building Construction	4/14/2022	4/7/2027	5	1300	
5	Paving	Paving	7/8/2021	4/13/2022	5	200	
6	Architectural Coating	Architectural Coating	4/28/2022	4/21/2027	5	1300	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 119

Acres of Paving: 0.21

Residential Indoor: 1,596,510; Residential Outdoor: 532,170; Non-Residential Indoor: 75,243; Non-Residential Outdoor: 25,081; Striped Parking Area: 542 (Architectural Coating – sqft)

OffRoad Equipment

Simmerhorn Ranch - Sacramento Metropolitan AQMD Air District, Winter

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 Prep	Rubber Tired Dozers	3	8.00	247	0.40
Site Prep	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	182.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Site Prep	7	18.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	303.00	104.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	61.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.1050	0.0000	4.1050	0.6216	0.0000	0.6216			0.0000			0.0000
Off-Road	3.5134	35.7830	22.0600	0.0388		1.7949	1.7949		1.6697	1.6697		3,816.8994	3,816.8994	1.0618		3,843.4451
Total	**3.5134**	**35.7830**	**22.0600**	**0.0388**	**4.1050**	**1.7949**	**5.8999**	**0.6216**	**1.6697**	**2.2912**		**3,816.8994**	**3,816.8994**	**1.0618**		**3,843.4451**

3.2 Demolition - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1644	5.6876	1.4402	0.0144	0.3167	0.0242	0.3409	0.0867	0.0232	0.1098		1,537.5697	1,537.5697	0.0950		1,539.9438
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0647	0.0477	0.4660	1.0800e-003	0.1141	8.1000e-004	0.1149	0.0303	7.5000e-004	0.0310		107.8500	107.8500	3.4200e-003		107.9356
Total	**0.2291**	**5.7353**	**1.9062**	**0.0155**	**0.4308**	**0.0250**	**0.4558**	**0.1170**	**0.0239**	**0.1409**		**1,645.4197**	**1,645.4197**	**0.0984**		**1,647.8794**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.1050	0.0000	4.1050	0.6216	0.0000	0.6216			0.0000			0.0000
Off-Road	3.5134	35.7830	22.0600	0.0388		1.7949	1.7949		1.6697	1.6697	0.0000	3,816.8994	3,816.8994	1.0618		3,843.4451
Total	**3.5134**	**35.7830**	**22.0600**	**0.0388**	**4.1050**	**1.7949**	**5.8999**	**0.6216**	**1.6697**	**2.2912**	**0.0000**	**3,816.8994**	**3,816.8994**	**1.0618**		**3,843.4451**

3.2 Demolition - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1644	5.6876	1.4402	0.0144	0.3167	0.0242	0.3409	0.0867	0.0232	0.1098		1,537.5697	1,537.5697	0.0950		1,539.9438
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0647	0.0477	0.4660	1.0800e-003	0.1141	8.1000e-004	0.1149	0.0303	7.5000e-004	0.0310		107.8500	107.8500	3.4200e-003		107.9356
Total	**0.2291**	**5.7353**	**1.9062**	**0.0155**	**0.4308**	**0.0250**	**0.4558**	**0.1170**	**0.0239**	**0.1409**		**1,645.4197**	**1,645.4197**	**0.0984**		**1,647.8794**

3.3 Site Prep - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	3.8882	40.4971	21.1543	0.0380		2.0445	2.0445		1.8809	1.8809		3,685.6569	3,685.6569	1.1920		3,715.4573
Total	**3.8882**	**40.4971**	**21.1543**	**0.0380**	**18.0663**	**2.0445**	**20.1107**	**9.9307**	**1.8809**	**11.8116**		**3,685.6569**	**3,685.6569**	**1.1920**		**3,715.4573**

3.3 Site Prep - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0664	0.0456	0.4593	1.2200e-003	0.1369	9.2000e-004	0.1379	0.0363	8.5000e-004	0.0372		121.1696	121.1696	3.2300e-003		121.2503
Total	**0.0664**	**0.0456**	**0.4593**	**1.2200e-003**	**0.1369**	**9.2000e-004**	**0.1379**	**0.0363**	**8.5000e-004**	**0.0372**		**121.1696**	**121.1696**	**3.2300e-003**		**121.2503**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	3.8882	40.4971	21.1543	0.0380		2.0445	2.0445		1.8809	1.8809	0.0000	3,685.6569	3,685.6569	1.1920		3,715.4573
Total	**3.8882**	**40.4971**	**21.1543**	**0.0380**	**18.0663**	**2.0445**	**20.1107**	**9.9307**	**1.8809**	**11.8116**	**0.0000**	**3,685.6569**	**3,685.6569**	**1.1920**		**3,715.4573**

3.3 Site Prep - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0664	0.0456	0.4593	1.2200e-003	0.1369	9.2000e-004	0.1379	0.0363	8.5000e-004	0.0372		121.1696	121.1696	3.2300e-003		121.2503
Total	**0.0664**	**0.0456**	**0.4593**	**1.2200e-003**	**0.1369**	**9.2000e-004**	**0.1379**	**0.0363**	**8.5000e-004**	**0.0372**		**121.1696**	**121.1696**	**3.2300e-003**		**121.2503**

3.4 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					9.1771	0.0000	9.1771	3.6509	0.0000	3.6509			0.0000			0.0000
Off-Road	4.1912	46.3998	30.8785	0.0620		1.9853	1.9853		1.8265	1.8265		6,007.0434	6,007.0434	1.9428		6,055.6134
Total	**4.1912**	**46.3998**	**30.8785**	**0.0620**	**9.1771**	**1.9853**	**11.1624**	**3.6509**	**1.8265**	**5.4774**		**6,007.0434**	**6,007.0434**	**1.9428**		**6,055.6134**

3.4 Grading - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0738	0.0507	0.5103	1.3500e-003	0.1521	1.0300e-003	0.1532	0.0404	9.5000e-004	0.0413		134.6329	134.6329	3.5900e-003		134.7226
Total	**0.0738**	**0.0507**	**0.5103**	**1.3500e-003**	**0.1521**	**1.0300e-003**	**0.1532**	**0.0404**	**9.5000e-004**	**0.0413**		**134.6329**	**134.6329**	**3.5900e-003**		**134.7226**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					9.1771	0.0000	9.1771	3.6509	0.0000	3.6509			0.0000			0.0000
Off-Road	4.1912	46.3998	30.8785	0.0620		1.9853	1.9853		1.8265	1.8265	0.0000	6,007.0434	6,007.0434	1.9428		6,055.6134
Total	**4.1912**	**46.3998**	**30.8785**	**0.0620**	**9.1771**	**1.9853**	**11.1624**	**3.6509**	**1.8265**	**5.4774**	**0.0000**	**6,007.0434**	**6,007.0434**	**1.9428**		**6,055.6134**

3.4 Grading - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0738	0.0507	0.5103	1.3500e-003	0.1521	1.0300e-003	0.1532	0.0404	9.5000e-004	0.0413		134.6329	134.6329	3.5900e-003		134.7226
Total	**0.0738**	**0.0507**	**0.5103**	**1.3500e-003**	**0.1521**	**1.0300e-003**	**0.1532**	**0.0404**	**9.5000e-004**	**0.0413**		**134.6329**	**134.6329**	**3.5900e-003**		**134.7226**

3.5 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322
Total	**1.7062**	**15.6156**	**16.3634**	**0.0269**		**0.8090**	**0.8090**		**0.7612**	**0.7612**		**2,554.3336**	**2,554.3336**	**0.6120**		**2,569.6322**

3.5 Building Construction - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3160	10.0766	2.8530	0.0248	0.6257	0.0267	0.6525	0.1801	0.0256	0.2056		2,625.8803	2,625.8803	0.1564		2,629.7899
Worker	1.0458	0.6903	7.0898	0.0197	2.3049	0.0152	2.3201	0.6114	0.0140	0.6254		1,966.6566	1,966.6566	0.0488		1,967.8753
Total	**1.3618**	**10.7669**	**9.9428**	**0.0445**	**2.9306**	**0.0419**	**2.9725**	**0.7915**	**0.0395**	**0.8310**		**4,592.5368**	**4,592.5368**	**0.2051**		**4,597.6652**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322
Total	**1.7062**	**15.6156**	**16.3634**	**0.0269**		**0.8090**	**0.8090**		**0.7612**	**0.7612**	**0.0000**	**2,554.3336**	**2,554.3336**	**0.6120**		**2,569.6322**

3.5 Building Construction - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3160	10.0766	2.8530	0.0248	0.6257	0.0267	0.6525	0.1801	0.0256	0.2056		2,625.8803	2,625.8803	0.1564		2,629.7899
Worker	1.0458	0.6903	7.0898	0.0197	2.3049	0.0152	2.3201	0.6114	0.0140	0.6254		1,966.6566	1,966.6566	0.0488		1,967.8753
Total	**1.3618**	**10.7669**	**9.9428**	**0.0445**	**2.9306**	**0.0419**	**2.9725**	**0.7915**	**0.0395**	**0.8310**		**4,592.5368**	**4,592.5368**	**0.2051**		**4,597.6652**

3.5 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061
Total	**1.5728**	**14.3849**	**16.2440**	**0.0269**		**0.6997**	**0.6997**		**0.6584**	**0.6584**		**2,555.2099**	**2,555.2099**	**0.6079**		**2,570.4061**

3.5 Building Construction - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2504	8.5086	2.5143	0.0243	0.6257	0.0129	0.6385	0.1800	0.0123	0.1923		2,577.4500	2,577.4500	0.1400		2,580.9506
Worker	0.9800	0.6209	6.4959	0.0190	2.3049	0.0148	2.3197	0.6114	0.0136	0.6250		1,892.8322	1,892.8322	0.0436		1,893.9221
Total	**1.2304**	**9.1296**	**9.0101**	**0.0433**	**2.9306**	**0.0277**	**2.9582**	**0.7914**	**0.0259**	**0.8174**		**4,470.2822**	**4,470.2822**	**0.1836**		**4,474.8726**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061
Total	**1.5728**	**14.3849**	**16.2440**	**0.0269**		**0.6997**	**0.6997**		**0.6584**	**0.6584**	**0.0000**	**2,555.2099**	**2,555.2099**	**0.6079**		**2,570.4061**

3.5 Building Construction - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2504	8.5086	2.5143	0.0243	0.6257	0.0129	0.6385	0.1800	0.0123	0.1923		2,577.4500	2,577.4500	0.1400		2,580.9506
Worker	0.9800	0.6209	6.4959	0.0190	2.3049	0.0148	2.3197	0.6114	0.0136	0.6250		1,892.8322	1,892.8322	0.0436		1,893.9221
Total	**1.2304**	**9.1296**	**9.0101**	**0.0433**	**2.9306**	**0.0277**	**2.9582**	**0.7914**	**0.0259**	**0.8174**		**4,470.2822**	**4,470.2822**	**0.1836**		**4,474.8726**

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	lb/day										lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077
Total	**1.4716**	**13.4438**	**16.1668**	**0.0270**		**0.6133**	**0.6133**		**0.5769**	**0.5769**		**2,555.6989**	**2,555.6989**	**0.6044**		**2,570.8077**

3.5 Building Construction - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2385	8.3460	2.3497	0.0242	0.6256	0.0122	0.6378	0.1800	0.0117	0.1917		2,562.6360	2,562.6360	0.1383		2,566.0940
Worker	0.9228	0.5611	6.0059	0.0183	2.3049	0.0145	2.3194	0.6114	0.0133	0.6247		1,819.2812	1,819.2812	0.0393		1,820.2624
Total	**1.1613**	**8.9072**	**8.3556**	**0.0424**	**2.9305**	**0.0266**	**2.9572**	**0.7914**	**0.0250**	**0.8164**		**4,381.9172**	**4,381.9172**	**0.1776**		**4,386.3564**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077
Total	**1.4716**	**13.4438**	**16.1668**	**0.0270**		**0.6133**	**0.6133**		**0.5769**	**0.5769**	**0.0000**	**2,555.6989**	**2,555.6989**	**0.6044**		**2,570.8077**

3.5 Building Construction - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2385	8.3460	2.3497	0.0242	0.6256	0.0122	0.6378	0.1800	0.0117	0.1917		2,562.6360	2,562.6360	0.1383		2,566.0940
Worker	0.9228	0.5611	6.0059	0.0183	2.3049	0.0145	2.3194	0.6114	0.0133	0.6247		1,819.2812	1,819.2812	0.0393		1,820.2624
Total	**1.1613**	**8.9072**	**8.3556**	**0.0424**	**2.9305**	**0.0266**	**2.9572**	**0.7914**	**0.0250**	**0.8164**		**4,381.9172**	**4,381.9172**	**0.1776**		**4,386.3564**

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	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**		**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

3.5 Building Construction - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2286	8.1914	2.2237	0.0240	0.6255	0.0115	0.6371	0.1800	0.0110	0.1910		2,548.3439	2,548.3439	0.1367		2,551.7610
Worker	0.8727	0.5095	5.5562	0.0175	2.3049	0.0142	2.3191	0.6114	0.0131	0.6245		1,746.4724	1,746.4724	0.0355		1,747.3604
Total	**1.1013**	**8.7009**	**7.7799**	**0.0415**	**2.9305**	**0.0257**	**2.9562**	**0.7914**	**0.0241**	**0.8155**		**4,294.8163**	**4,294.8163**	**0.1722**		**4,299.1214**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**	**0.0000**	**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

3.5 Building Construction - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2286	8.1914	2.2237	0.0240	0.6255	0.0115	0.6371	0.1800	0.0110	0.1910		2,548.3439	2,548.3439	0.1367		2,551.7610
Worker	0.8727	0.5095	5.5562	0.0175	2.3049	0.0142	2.3191	0.6114	0.0131	0.6245		1,746.4724	1,746.4724	0.0355		1,747.3604
Total	**1.1013**	**8.7009**	**7.7799**	**0.0415**	**2.9305**	**0.0257**	**2.9562**	**0.7914**	**0.0241**	**0.8155**		**4,294.8163**	**4,294.8163**	**0.1722**		**4,299.1214**

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	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**		**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

3.5 Building Construction - 2026

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2198	8.0443	2.1209	0.0239	0.6255	0.0109	0.6364	0.1800	0.0104	0.1904		2,534.7823	2,534.7823	0.1352		2,538.1624
Worker	0.8287	0.4654	5.1650	0.0169	2.3049	0.0138	2.3187	0.6114	0.0127	0.6241		1,681.5929	1,681.5929	0.0323		1,682.4003
Total	**1.0486**	**8.5098**	**7.2859**	**0.0407**	**2.9304**	**0.0246**	**2.9550**	**0.7914**	**0.0231**	**0.8144**		**4,216.3753**	**4,216.3753**	**0.1675**		**4,220.5627**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**	**0.0000**	**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

3.5 Building Construction - 2026

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2198	8.0443	2.1209	0.0239	0.6255	0.0109	0.6364	0.1800	0.0104	0.1904		2,534.7823	2,534.7823	0.1352		2,538.1624
Worker	0.8287	0.4654	5.1650	0.0169	2.3049	0.0138	2.3187	0.6114	0.0127	0.6241		1,681.5929	1,681.5929	0.0323		1,682.4003
Total	**1.0486**	**8.5098**	**7.2859**	**0.0407**	**2.9304**	**0.0246**	**2.9550**	**0.7914**	**0.0231**	**0.8144**		**4,216.3753**	**4,216.3753**	**0.1675**		**4,220.5627**

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	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**		**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

3.5 Building Construction - 2027

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2122	7.9091	2.0315	0.0237	0.6254	0.0103	0.6358	0.1800	9.8600e-003	0.1898		2,522.0218	2,522.0218	0.1338		2,525.3657
Worker	0.7855	0.4258	4.8120	0.0163	2.3049	0.0131	2.3180	0.6114	0.0121	0.6235		1,623.4899	1,623.4899	0.0294		1,624.2245
Total	**0.9976**	**8.3350**	**6.8435**	**0.0400**	**2.9304**	**0.0234**	**2.9538**	**0.7914**	**0.0219**	**0.8133**		**4,145.5117**	**4,145.5117**	**0.1631**		**4,149.5902**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**	**0.0000**	**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

3.5 Building Construction - 2027

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2122	7.9091	2.0315	0.0237	0.6254	0.0103	0.6358	0.1800	9.8600e-003	0.1898		2,522.0218	2,522.0218	0.1338		2,525.3657
Worker	0.7855	0.4258	4.8120	0.0163	2.3049	0.0131	2.3180	0.6114	0.0121	0.6235		1,623.4899	1,623.4899	0.0294		1,624.2245
Total	**0.9976**	**8.3350**	**6.8435**	**0.0400**	**2.9304**	**0.0234**	**2.9538**	**0.7914**	**0.0219**	**0.8133**		**4,145.5117**	**4,145.5117**	**0.1631**		**4,149.5902**

3.6 Paving - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235		2,207.2109	2,207.2109	0.7139		2,225.0573
Paving	2.7500e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.2583**	**12.9191**	**14.6532**	**0.0228**		**0.6777**	**0.6777**		**0.6235**	**0.6235**		**2,207.2109**	**2,207.2109**	**0.7139**		**2,225.0573**

3.6 Paving - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0554	0.0380	0.3827	1.0100e-003	0.1141	7.7000e-004	0.1149	0.0303	7.1000e-004	0.0310		100.9746	100.9746	2.6900e-003		101.0419
Total	**0.0554**	**0.0380**	**0.3827**	**1.0100e-003**	**0.1141**	**7.7000e-004**	**0.1149**	**0.0303**	**7.1000e-004**	**0.0310**		**100.9746**	**100.9746**	**2.6900e-003**		**101.0419**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235	0.0000	2,207.2109	2,207.2109	0.7139		2,225.0573
Paving	2.7500e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.2583**	**12.9191**	**14.6532**	**0.0228**		**0.6777**	**0.6777**		**0.6235**	**0.6235**	**0.0000**	**2,207.2109**	**2,207.2109**	**0.7139**		**2,225.0573**

3.6 Paving - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0554	0.0380	0.3827	1.0100e-003	0.1141	7.7000e-004	0.1149	0.0303	7.1000e-004	0.0310		100.9746	100.9746	2.6900e-003		101.0419
Total	**0.0554**	**0.0380**	**0.3827**	**1.0100e-003**	**0.1141**	**7.7000e-004**	**0.1149**	**0.0303**	**7.1000e-004**	**0.0310**		**100.9746**	**100.9746**	**2.6900e-003**		**101.0419**

3.6 Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225		2,207.6603	2,207.6603	0.7140		2,225.5104
Paving	2.7500e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.1056**	**11.1249**	**14.5805**	**0.0228**		**0.5679**	**0.5679**		**0.5225**	**0.5225**		**2,207.6603**	**2,207.6603**	**0.7140**		**2,225.5104**

3.6 Paving - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0518	0.0342	0.3510	9.8000e-004	0.1141	7.5000e-004	0.1149	0.0303	6.9000e-004	0.0310		97.3592	97.3592	2.4100e-003		97.4196
Total	**0.0518**	**0.0342**	**0.3510**	**9.8000e-004**	**0.1141**	**7.5000e-004**	**0.1149**	**0.0303**	**6.9000e-004**	**0.0310**		**97.3592**	**97.3592**	**2.4100e-003**		**97.4196**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225	0.0000	2,207.6603	2,207.6603	0.7140		2,225.5104
Paving	2.7500e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.1056**	**11.1249**	**14.5805**	**0.0228**		**0.5679**	**0.5679**		**0.5225**	**0.5225**	**0.0000**	**2,207.6603**	**2,207.6603**	**0.7140**		**2,225.5104**

3.6 Paving - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0518	0.0342	0.3510	9.8000e-004	0.1141	7.5000e-004	0.1149	0.0303	6.9000e-004	0.0310		97.3592	97.3592	2.4100e-003		97.4196
Total	**0.0518**	**0.0342**	**0.3510**	**9.8000e-004**	**0.1141**	**7.5000e-004**	**0.1149**	**0.0303**	**6.9000e-004**	**0.0310**		**97.3592**	**97.3592**	**2.4100e-003**		**97.4196**

3.7 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	7.9492					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
Total	**8.1537**	**1.4085**	**1.8136**	**2.9700e-003**		**0.0817**	**0.0817**		**0.0817**	**0.0817**		**281.4481**	**281.4481**	**0.0183**		**281.9062**

3.7 Architectural Coating - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2106	0.1390	1.4273	3.9700e-003	0.4640	3.0500e-003	0.4671	0.1231	2.8100e-003	0.1259		395.9276	395.9276	9.8100e-003		396.1729
Total	**0.2106**	**0.1390**	**1.4273**	**3.9700e-003**	**0.4640**	**3.0500e-003**	**0.4671**	**0.1231**	**2.8100e-003**	**0.1259**		**395.9276**	**395.9276**	**9.8100e-003**		**396.1729**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	7.9492					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062
Total	**8.1537**	**1.4085**	**1.8136**	**2.9700e-003**		**0.0817**	**0.0817**		**0.0817**	**0.0817**	**0.0000**	**281.4481**	**281.4481**	**0.0183**		**281.9062**

3.7 Architectural Coating - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2106	0.1390	1.4273	3.9700e-003	0.4640	3.0500e-003	0.4671	0.1231	2.8100e-003	0.1259		395.9276	395.9276	9.8100e-003		396.1729
Total	**0.2106**	**0.1390**	**1.4273**	**3.9700e-003**	**0.4640**	**3.0500e-003**	**0.4671**	**0.1231**	**2.8100e-003**	**0.1259**		**395.9276**	**395.9276**	**9.8100e-003**		**396.1729**

3.7 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	7.9492					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690
Total	**8.1409**	**1.3030**	**1.8111**	**2.9700e-003**		**0.0708**	**0.0708**		**0.0708**	**0.0708**		**281.4481**	**281.4481**	**0.0168**		**281.8690**

3.7 Architectural Coating - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1973	0.1250	1.3078	3.8200e-003	0.4640	2.9800e-003	0.4670	0.1231	2.7400e-003	0.1258		381.0652	381.0652	8.7800e-003		381.2846
Total	**0.1973**	**0.1250**	**1.3078**	**3.8200e-003**	**0.4640**	**2.9800e-003**	**0.4670**	**0.1231**	**2.7400e-003**	**0.1258**		**381.0652**	**381.0652**	**8.7800e-003**		**381.2846**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	7.9492					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690
Total	**8.1409**	**1.3030**	**1.8111**	**2.9700e-003**		**0.0708**	**0.0708**		**0.0708**	**0.0708**	**0.0000**	**281.4481**	**281.4481**	**0.0168**		**281.8690**

3.7 Architectural Coating - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1973	0.1250	1.3078	3.8200e-003	0.4640	2.9800e-003	0.4670	0.1231	2.7400e-003	0.1258		381.0652	381.0652	8.7800e-003		381.2846
Total	**0.1973**	**0.1250**	**1.3078**	**3.8200e-003**	**0.4640**	**2.9800e-003**	**0.4670**	**0.1231**	**2.7400e-003**	**0.1258**		**381.0652**	**381.0652**	**8.7800e-003**		**381.2846**

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	lb/day										lb/day					
Archit. Coating	7.9492					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443
Total	**8.1300**	**1.2188**	**1.8101**	**2.9700e-003**		**0.0609**	**0.0609**		**0.0609**	**0.0609**		**281.4481**	**281.4481**	**0.0159**		**281.8443**

3.7 Architectural Coating - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1858	0.1130	1.2091	3.6800e-003	0.4640	2.9100e-003	0.4669	0.1231	2.6800e-003	0.1258		366.2579	366.2579	7.9000e-003		366.4555
Total	**0.1858**	**0.1130**	**1.2091**	**3.6800e-003**	**0.4640**	**2.9100e-003**	**0.4669**	**0.1231**	**2.6800e-003**	**0.1258**		**366.2579**	**366.2579**	**7.9000e-003**		**366.4555**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	7.9492					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.8443
Total	**8.1300**	**1.2188**	**1.8101**	**2.9700e-003**		**0.0609**	**0.0609**		**0.0609**	**0.0609**	**0.0000**	**281.4481**	**281.4481**	**0.0159**		**281.8443**

3.7 Architectural Coating - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1858	0.1130	1.2091	3.6800e-003	0.4640	2.9100e-003	0.4669	0.1231	2.6800e-003	0.1258		366.2579	366.2579	7.9000e-003		366.4555
Total	**0.1858**	**0.1130**	**1.2091**	**3.6800e-003**	**0.4640**	**2.9100e-003**	**0.4669**	**0.1231**	**2.6800e-003**	**0.1258**		**366.2579**	**366.2579**	**7.9000e-003**		**366.4555**

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	lb/day										lb/day					
Archit. Coating	7.9492					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	**8.1201**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**		**281.4481**	**281.4481**	**0.0154**		**281.8319**

3.7 Architectural Coating - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1757	0.1026	1.1186	3.5300e-003	0.4640	2.8600e-003	0.4669	0.1231	2.6300e-003	0.1257		351.6001	351.6001	7.1500e-003		351.7788
Total	**0.1757**	**0.1026**	**1.1186**	**3.5300e-003**	**0.4640**	**2.8600e-003**	**0.4669**	**0.1231**	**2.6300e-003**	**0.1257**		**351.6001**	**351.6001**	**7.1500e-003**		**351.7788**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	7.9492					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319
Total	**8.1201**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**	**0.0000**	**281.4481**	**281.4481**	**0.0154**		**281.8319**

3.7 Architectural Coating - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1757	0.1026	1.1186	3.5300e-003	0.4640	2.8600e-003	0.4669	0.1231	2.6300e-003	0.1257		351.6001	351.6001	7.1500e-003		351.7788
Total	**0.1757**	**0.1026**	**1.1186**	**3.5300e-003**	**0.4640**	**2.8600e-003**	**0.4669**	**0.1231**	**2.6300e-003**	**0.1257**		**351.6001**	**351.6001**	**7.1500e-003**		**351.7788**

3.7 Architectural Coating - 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	lb/day										lb/day					
Archit. Coating	7.9492					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	**8.1201**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**		**281.4481**	**281.4481**	**0.0154**		**281.8319**

3.7 Architectural Coating - 2026

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1668	0.0937	1.0398	3.4000e-003	0.4640	2.7700e-003	0.4668	0.1231	2.5500e-003	0.1256		338.5385	338.5385	6.5000e-003		338.7010
Total	**0.1668**	**0.0937**	**1.0398**	**3.4000e-003**	**0.4640**	**2.7700e-003**	**0.4668**	**0.1231**	**2.5500e-003**	**0.1256**		**338.5385**	**338.5385**	**6.5000e-003**		**338.7010**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	7.9492					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319
Total	**8.1201**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**	**0.0000**	**281.4481**	**281.4481**	**0.0154**		**281.8319**

3.7 Architectural Coating - 2026

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1668	0.0937	1.0398	3.4000e-003	0.4640	2.7700e-003	0.4668	0.1231	2.5500e-003	0.1256		338.5385	338.5385	6.5000e-003		338.7010
Total	**0.1668**	**0.0937**	**1.0398**	**3.4000e-003**	**0.4640**	**2.7700e-003**	**0.4668**	**0.1231**	**2.5500e-003**	**0.1256**		**338.5385**	**338.5385**	**6.5000e-003**		**338.7010**

3.7 Architectural Coating - 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	lb/day										lb/day					
Archit. Coating	7.9492					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	**8.1201**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**		**281.4481**	**281.4481**	**0.0154**		**281.8319**

3.7 Architectural Coating - 2027

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1581	0.0857	0.9688	3.2800e-003	0.4640	2.6400e-003	0.4667	0.1231	2.4300e-003	0.1255		326.8412	326.8412	5.9200e-003		326.9891
Total	**0.1581**	**0.0857**	**0.9688**	**3.2800e-003**	**0.4640**	**2.6400e-003**	**0.4667**	**0.1231**	**2.4300e-003**	**0.1255**		**326.8412**	**326.8412**	**5.9200e-003**		**326.9891**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	7.9492					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319
Total	**8.1201**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**	**0.0000**	**281.4481**	**281.4481**	**0.0154**		**281.8319**

3.7 Architectural Coating - 2027

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1581	0.0857	0.9688	3.2800e-003	0.4640	2.6400e-003	0.4667	0.1231	2.4300e-003	0.1255		326.8412	326.8412	5.9200e-003		326.9891
Total	**0.1581**	**0.0857**	**0.9688**	**3.2800e-003**	**0.4640**	**2.6400e-003**	**0.4667**	**0.1231**	**2.4300e-003**	**0.1255**		**326.8412**	**326.8412**	**5.9200e-003**		**326.9891**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Improve Pedestrian Network

Provide Traffic Calming Measures

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	5.1840	25.0754	63.8204	0.2335	25.7725	0.1756	25.9481	6.8835	0.1633	7.0468		23,760.3124	23,760.3124	1.0167		23,785.7291
Unmitigated	5.2856	25.6649	66.2620	0.2449	27.1290	0.1833	27.3123	7.2458	0.1705	7.4163		24,923.4745	24,923.4745	1.0561		24,949.8771

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
Elementary School	793.98	0.00	0.00	1,192,587	1,132,957
Other Asphalt Surfaces	0.00	0.00	0.00		
Single Family Housing	3,707.01	4,340.58	3775.56	9,769,985	9,281,486
Total	4,500.99	4,340.58	3,775.56	10,962,572	10,414,443

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	10.00	5.00	6.50	33.00	48.00	19.00	66	28	6
Elementary School	10.00	5.00	6.50	65.00	30.00	5.00	63	25	12
Other Asphalt Surfaces	10.00	5.00	6.50	0.00	0.00	0.00	0	0	0
Single Family Housing	10.00	5.00	6.50	46.50	12.50	41.00	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.574521	0.035271	0.210873	0.107638	0.013399	0.004562	0.018333	0.025065	0.001898	0.001611	0.005555	0.000614	0.000658
Elementary School	0.574521	0.035271	0.210873	0.107638	0.013399	0.004562	0.018333	0.025065	0.001898	0.001611	0.005555	0.000614	0.000658
Other Asphalt Surfaces	0.574521	0.035271	0.210873	0.107638	0.013399	0.004562	0.018333	0.025065	0.001898	0.001611	0.005555	0.000614	0.000658
Single Family Housing	0.574521	0.035271	0.210873	0.107638	0.013399	0.004562	0.018333	0.025065	0.001898	0.001611	0.005555	0.000614	0.000658

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.1917	1.6469	0.7616	0.0105		0.1324	0.1324		0.1324	0.1324		2,091.1685	2,091.1685	0.0401	0.0383	2,103.5953
NaturalGas Unmitigated	0.1917	1.6469	0.7616	0.0105		0.1324	0.1324		0.1324	0.1324		2,091.1685	2,091.1685	0.0401	0.0383	2,103.5953

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
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
Elementary School	1495.24	0.0161	0.1466	0.1231	8.8000e-004		0.0111	0.0111		0.0111	0.0111		175.9107	175.9107	3.3700e-003	3.2300e-003	176.9560
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	16279.7	0.1756	1.5003	0.6384	9.5800e-003		0.1213	0.1213		0.1213	0.1213		1,915.2579	1,915.2579	0.0367	0.0351	1,926.6393
Total		**0.1917**	**1.6469**	**0.7616**	**0.0105**		**0.1324**	**0.1324**		**0.1324**	**0.1324**		**2,091.1685**	**2,091.1685**	**0.0401**	**0.0383**	**2,103.5953**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
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
Elementary School	1.49524	0.0161	0.1466	0.1231	8.8000e-004		0.0111	0.0111		0.0111	0.0111		175.9107	175.9107	3.3700e-003	3.2300e-003	176.9560
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	16.2797	0.1756	1.5003	0.6384	9.5800e-003		0.1213	0.1213		0.1213	0.1213		1,915.2579	1,915.2579	0.0367	0.0351	1,926.6393
Total		**0.1917**	**1.6469**	**0.7616**	**0.0105**		**0.1324**	**0.1324**		**0.1324**	**0.1324**		**2,091.1685**	**2,091.1685**	**0.0401**	**0.0383**	**2,103.5953**

6.0 Area Detail

6.1 Mitigation Measures Area

Use only Natural Gas Hearths

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	21.8842	0.4164	36.1640	1.9100e-003		0.2005	0.2005		0.2005	0.2005	0.0000	65.2006	65.2006	0.0627	0.0000	66.7671
Unmitigated	21.8842	0.4164	36.1640	1.9100e-003		0.2005	0.2005		0.2005	0.2005	0.0000	65.2006	65.2006	0.0627	0.0000	66.7671

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	2.8312					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	17.9632					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.0897	0.4164	36.1640	1.9100e-003		0.2005	0.2005		0.2005	0.2005		65.2006	65.2006	0.0627		66.7671
Total	**21.8842**	**0.4164**	**36.1640**	**1.9100e-003**		**0.2005**	**0.2005**		**0.2005**	**0.2005**	**0.0000**	**65.2006**	**65.2006**	**0.0627**	**0.0000**	**66.7671**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	2.8312					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	17.9632					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.0897	0.4164	36.1640	1.9100e-003		0.2005	0.2005		0.2005	0.2005		65.2006	65.2006	0.0627		66.7671
Total	**21.8842**	**0.4164**	**36.1640**	**1.9100e-003**		**0.2005**	**0.2005**		**0.2005**	**0.2005**	**0.0000**	**65.2006**	**65.2006**	**0.0627**	**0.0000**	**66.7671**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Simmerhorn Ranch

Sacramento Metropolitan AQMD Air District, Mitigation Report

Construction Mitigation Summary

Phase	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Architectural Coating	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Building Construction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Demolition	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Site Prep	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

OFFROAD Equipment Mitigation

Equipment Type	Fuel Type	Tier	Number Mitigated	Total Number of Equipment	DPF	Oxidation Catalyst
Air Compressors	Diesel	No Change	0	1	No Change	0.00
Concrete/Industrial Saws	Diesel	No Change	0	1	No Change	0.00
Cranes	Diesel	No Change	0	1	No Change	0.00
Excavators	Diesel	No Change	0	5	No Change	0.00
Forklifts	Diesel	No Change	0	3	No Change	0.00
Generator Sets	Diesel	No Change	0	1	No Change	0.00
Graders	Diesel	No Change	0	1	No Change	0.00
Pavers	Diesel	No Change	0	2	No Change	0.00
Paving Equipment	Diesel	No Change	0	2	No Change	0.00
Rollers	Diesel	No Change	0	2	No Change	0.00
Rubber Tired Dozers	Diesel	No Change	0	6	No Change	0.00
Scrapers	Diesel	No Change	0	2	No Change	0.00
Tractors/Loaders/Backhoes	Diesel	No Change	0	9	No Change	0.00
Welders	Diesel	No Change	0	1	No Change	0.00

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	Unmitigated tons/yr						Unmitigated mt/yr					
Air Compressors	1.18040E-001	7.97930E-001	1.17672E+000	1.93000E-003	3.99000E-002	3.99000E-002	0.00000E+000	1.65961E+002	1.65961E+002	9.53000E-003	0.00000E+000	1.66200E+002
Concrete/Industrial Saws	2.31000E-003	1.79400E-002	1.85100E-002	3.00000E-005	1.15000E-003	1.15000E-003	0.00000E+000	2.68829E+000	2.68829E+000	1.90000E-004	0.00000E+000	2.69302E+000
Cranes	1.89390E-001	1.99713E+000	1.01589E+000	3.28000E-003	8.38700E-002	7.71600E-002	0.00000E+000	2.88330E+002	2.88330E+002	9.32500E-002	0.00000E+000	2.90662E+002
Excavators	1.30800E-002	1.26360E-001	1.79820E-001	2.80000E-004	6.12000E-003	5.63000E-003	0.00000E+000	2.51059E+001	2.51059E+001	8.07000E-003	0.00000E+000	2.53077E+001
Forklifts	1.85900E-001	1.74303E+000	2.22291E+000	2.98000E-003	1.01630E-001	9.35000E-002	0.00000E+000	2.61868E+002	2.61868E+002	8.46900E-002	0.00000E+000	2.63985E+002
Generator Sets	1.86680E-001	1.66801E+000	2.38207E+000	4.28000E-003	7.31000E-002	7.31000E-002	0.00000E+000	3.67385E+002	3.67385E+002	1.49100E-002	0.00000E+000	3.67758E+002
Graders	9.06000E-003	1.18490E-001	3.53400E-002	1.30000E-004	3.75000E-003	3.45000E-003	0.00000E+000	1.16425E+001	1.16425E+001	3.77000E-003	0.00000E+000	1.17367E+001
Pavers	4.63800E-002	4.82790E-001	5.79430E-001	9.40000E-004	2.32100E-002	2.13500E-002	0.00000E+000	8.25779E+001	8.25779E+001	2.67100E-002	0.00000E+000	8.32456E+001
Paving Equipment	3.74000E-002	3.73260E-001	5.08610E-001	8.10000E-004	1.83600E-002	1.68900E-002	0.00000E+000	7.15697E+001	7.15697E+001	2.31500E-002	0.00000E+000	7.21484E+001
Rollers	3.62000E-002	3.70370E-001	3.74620E-001	5.20000E-004	2.22000E-002	2.04200E-002	0.00000E+000	4.61021E+001	4.61021E+001	1.49100E-002	0.00000E+000	4.64749E+001
Rubber Tired Dozers	6.36600E-002	6.69310E-001	2.44730E-001	5.10000E-004	3.25100E-002	2.99100E-002	0.00000E+000	4.51977E+001	4.51977E+001	1.45600E-002	0.00000E+000	4.55618E+001
Scrapers	3.71800E-002	4.28110E-001	2.80190E-001	6.10000E-004	1.66600E-002	1.53200E-002	0.00000E+000	5.32667E+001	5.32667E+001	1.72300E-002	0.00000E+000	5.36974E+001
Tractors/Loaders/Backhoes	2.59040E-001	2.62061E+000	3.98982E+000	5.57000E-003	1.21750E-001	1.12010E-001	0.00000E+000	4.88965E+002	4.88965E+002	1.58140E-001	0.00000E+000	4.92918E+002
Welders	1.54800E-001	8.98910E-001	1.08270E+000	1.66000E-003	3.14400E-002	3.14400E-002	0.00000E+000	1.22343E+002	1.22343E+002	1.25800E-002	0.00000E+000	1.22658E+002

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	Mitigated tons/yr						Mitigated mt/yr					
Air Compressors	1.18040E-001	7.97930E-001	1.17672E+000	1.93000E-003	3.99000E-002	3.99000E-002	0.00000E+000	1.65961E+002	1.65961E+002	9.53000E-003	0.00000E+000	1.66199E+002
Concrete/Industrial Saws	2.31000E-003	1.79400E-002	1.85100E-002	3.00000E-005	1.15000E-003	1.15000E-003	0.00000E+000	2.68828E+000	2.68828E+000	1.90000E-004	0.00000E+000	2.69301E+000
Cranes	1.89390E-001	1.99713E+000	1.01589E+000	3.28000E-003	8.38700E-002	7.71600E-002	0.00000E+000	2.88330E+002	2.88330E+002	9.32500E-002	0.00000E+000	2.90661E+002
Excavators	1.30800E-002	1.26360E-001	1.79820E-001	2.80000E-004	6.12000E-003	5.63000E-003	0.00000E+000	2.51059E+001	2.51059E+001	8.07000E-003	0.00000E+000	2.53077E+001
Forklifts	1.85900E-001	1.74303E+000	2.22291E+000	2.98000E-003	1.01630E-001	9.35000E-002	0.00000E+000	2.61868E+002	2.61868E+002	8.46900E-002	0.00000E+000	2.63985E+002
Generator Sets	1.86680E-001	1.66800E+000	2.38207E+000	4.28000E-003	7.31000E-002	7.31000E-002	0.00000E+000	3.67384E+002	3.67384E+002	1.49100E-002	0.00000E+000	3.67757E+002
Graders	9.06000E-003	1.18490E-001	3.53400E-002	1.30000E-004	3.75000E-003	3.45000E-003	0.00000E+000	1.16425E+001	1.16425E+001	3.77000E-003	0.00000E+000	1.17366E+001
Pavers	4.63800E-002	4.82790E-001	5.79430E-001	9.40000E-004	2.32100E-002	2.13500E-002	0.00000E+000	8.25778E+001	8.25778E+001	2.67100E-002	0.00000E+000	8.32455E+001
Paving Equipment	3.74000E-002	3.73260E-001	5.08610E-001	8.10000E-004	1.83600E-002	1.68900E-002	0.00000E+000	7.15696E+001	7.15696E+001	2.31500E-002	0.00000E+000	7.21483E+001
Rollers	3.62000E-002	3.70370E-001	3.74620E-001	5.20000E-004	2.22000E-002	2.04200E-002	0.00000E+000	4.61021E+001	4.61021E+001	1.49100E-002	0.00000E+000	4.64748E+001
Rubber Tired Dozers	6.36600E-002	6.69310E-001	2.44730E-001	5.10000E-004	3.25100E-002	2.99100E-002	0.00000E+000	4.51976E+001	4.51976E+001	1.45600E-002	0.00000E+000	4.55617E+001
Scrapers	3.71800E-002	4.28110E-001	2.80190E-001	6.10000E-004	1.66600E-002	1.53200E-002	0.00000E+000	5.32666E+001	5.32666E+001	1.72300E-002	0.00000E+000	5.36973E+001
Tractors/Loaders/Backhoes	2.59040E-001	2.62061E+000	3.98982E+000	5.57000E-003	1.21750E-001	1.12010E-001	0.00000E+000	4.88964E+002	4.88964E+002	1.58140E-001	0.00000E+000	4.92918E+002
Welders	1.54800E-001	8.98910E-001	1.08270E+000	1.66000E-003	3.14400E-002	3.14400E-002	0.00000E+000	1.22343E+002	1.22343E+002	1.25800E-002	0.00000E+000	1.22658E+002

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Air Compressors	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.14484E-006	1.14484E-006	0.00000E+000	0.00000E+000	1.14320E-006
Concrete/Industrial Saws	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	3.71984E-006	3.71984E-006	0.00000E+000	0.00000E+000	3.71330E-006
Cranes	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.17920E-006	1.17920E-006	0.00000E+000	0.00000E+000	1.20415E-006
Excavators	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.19494E-006	1.19494E-006	0.00000E+000	0.00000E+000	1.18541E-006
Forklifts	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.22199E-006	1.22199E-006	0.00000E+000	0.00000E+000	1.17431E-006
Generator Sets	0.00000E+000	5.99517E-006	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.17043E-006	1.17043E-006	0.00000E+000	0.00000E+000	1.19644E-006
Graders	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	8.58921E-007	8.58921E-007	0.00000E+000	0.00000E+000	1.70406E-006
Pavers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.21098E-006	1.21098E-006	0.00000E+000	0.00000E+000	1.20126E-006
Paving Equipment	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.25752E-006	1.25752E-006	0.00000E+000	0.00000E+000	1.24743E-006
Rollers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.08455E-006	1.08455E-006	0.00000E+000	0.00000E+000	1.29102E-006
Rubber Tired Dozers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.10625E-006	1.10625E-006	0.00000E+000	0.00000E+000	1.09741E-006
Scrapers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.31414E-006	1.31414E-006	0.00000E+000	0.00000E+000	1.30360E-006
Tractors/Loaders/Backhoes	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.18618E-006	1.18618E-006	0.00000E+000	0.00000E+000	1.17667E-006
Welders	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.22606E-006	1.22606E-006	0.00000E+000	0.00000E+000	1.22291E-006

Fugitive Dust Mitigation

Yes/No	Mitigation Measure	Mitigation Input		Mitigation Input		Mitigation Input	
No	Soil Stabilizer for unpaved Roads	PM10 Reduction		PM2.5 Reduction			
No	Replace Ground Cover of Area Disturbed	PM10 Reduction		PM2.5 Reduction			
No	Water Exposed Area	PM10 Reduction		PM2.5 Reduction		Frequency (per day)	

No	Unpaved Road Mitigation	Moisture Content %		Vehicle Speed (mph)	0.00		
No	Clean Paved Road	% PM Reduction	0.00				

		Unmitigated		Mitigated		Percent Reduction	
Phase	Source	PM10	PM2.5	PM10	PM2.5	PM10	PM2.5
Architectural Coating	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Architectural Coating	Roads	0.29	0.08	0.29	0.08	0.00	0.00
Building Construction	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Building Construction	Roads	1.84	0.50	1.84	0.50	0.00	0.00
Demolition	Fugitive Dust	0.02	0.00	0.02	0.00	0.00	0.00
Demolition	Roads	0.00	0.00	0.00	0.00	0.00	0.00
Grading	Fugitive Dust	0.18	0.07	0.18	0.07	0.00	0.00
Grading	Roads	0.00	0.00	0.00	0.00	0.00	0.00
Paving	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Paving	Roads	0.01	0.00	0.01	0.00	0.00	0.00
Site Prep	Fugitive Dust	0.18	0.10	0.18	0.10	0.00	0.00
Site Prep	Roads	0.00	0.00	0.00	0.00	0.00	0.00

Operational Percent Reduction Summary

Category	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Architectural Coating	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Consumer Products	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Electricity	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hearth	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Landscaping	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mobile	1.78	2.23	3.90	4.67	4.26	4.28	0.00	4.66	4.66	3.84	0.00	4.66
Natural Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Water Indoor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Water Outdoor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Operational Mobile Mitigation

Project Setting: Low Density Suburban

Mitigation	Category	Measure	% Reduction	Input Value 1	Input Value 2	Input Value
No	Land Use	Increase Density	0.00	0.00	0.00	
No	Land Use	Increase Diversity	0.20	0.49		
No	Land Use	Improve Walkability Design	0.00	0.00		
No	Land Use	Improve Destination Accessibility	0.00	0.00		
No	Land Use	Increase Transit Accessibility	0.25	0.00		
No	Land Use	Integrate Below Market Rate Housing	0.00	0.00		
	Land Use	Land Use SubTotal	0.00			

Yes	Neighborhood Enhancements	Improve Pedestrian Network	2.00	Project Site and Connecting Off-Site		
Yes	Neighborhood Enhancements	Provide Traffic Calming Measures	0.25	25.00	25.00	
No	Neighborhood Enhancements	Implement NEV Network	0.00			
	Neighborhood Enhancements	Neighborhood Enhancements Subtotal	0.05			
No	Parking Policy Pricing	Limit Parking Supply	0.00	0.00		
No	Parking Policy Pricing	Unbundle Parking Costs	0.00	0.00		
No	Parking Policy Pricing	On-street Market Pricing	0.00	0.00		
	Parking Policy Pricing	Parking Policy Pricing Subtotal	0.00			
No	Transit Improvements	Provide BRT System	0.00	0.00		
No	Transit Improvements	Expand Transit Network	0.00	0.00		
No	Transit Improvements	Increase Transit Frequency	0.00		0.00	
	Transit Improvements	Transit Improvements Subtotal	0.00			
		Land Use and Site Enhancement Subtotal	0.05			
No	Commute	Implement Trip Reduction Program				
No	Commute	Transit Subsidy				
No	Commute	Implement Employee Parking "Cash Out"	3.00			
No	Commute	Workplace Parking Charge		0.00		
No	Commute	Encourage Telecommuting and Alternative Work Schedules	0.00			
No	Commute	Market Commute Trip Reduction Option	0.00			
No	Commute	Employee Vanpool/Shuttle	0.00		2.00	
No	Commute	Provide Ride Sharing Program	5.00			
	Commute	Commute Subtotal	0.00			

No	School Trip	Implement School Bus Program	0.00			
		Total VMT Reduction	0.05			

Area Mitigation

Measure Implemented	Mitigation Measure	Input Value
Yes	Only Natural Gas Hearth	
No	No Hearth	
No	Use Low VOC Cleaning Supplies	
No	Use Low VOC Paint (Residential Interior)	100.00
No	Use Low VOC Paint (Residential Exterior)	100.00
No	Use Low VOC Paint (Non-residential Interior)	100.00
No	Use Low VOC Paint (Non-residential Exterior)	100.00
No	Use Low VOC Paint (Parking)	100.00
No	% Electric Lawnmower	0.00
No	% Electric Leafblower	0.00
No	% Electric Chainsaw	0.00

Energy Mitigation Measures

Measure Implemented	Mitigation Measure	Input Value 1	Input Value 2
No	Exceed Title 24		
No	Install High Efficiency Lighting		
No	On-site Renewable		

Appliance Type	Land Use Subtype	% Improvement
ClothWasher		30.00
DishWasher		15.00
Fan		50.00
Refrigerator		15.00

Water Mitigation Measures

Measure Implemented	Mitigation Measure	Input Value 1	Input Value 2
No	Apply Water Conservation on Strategy		
No	Use Reclaimed Water		
No	Use Grey Water		
No	Install low-flow bathroom faucet	32.00	
No	Install low-flow Kitchen faucet	18.00	
No	Install low-flow Toilet	20.00	
No	Install low-flow Shower	20.00	
No	Turf Reduction		
No	Use Water Efficient Irrigation Systems	6.10	
No	Water Efficient Landscape		

Solid Waste Mitigation

Mitigation Measures	Input Value

Institute Recycling and Composting Services Percent Reduction in Waste Disposed	

Cumulative Plus Project Conditions Mitigated

Simmerhorn Ranch

Sacramento Metropolitan AQMD Air District, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Elementary School	600.00	Student	10.10	50,162.02	0
Other Asphalt Surfaces	9.03	1000sqft	0.21	9,025.00	0
City Park	6.60	Acre	6.60	287,496.00	0
Single Family Housing	438.00	Dwelling Unit	91.50	788,400.00	1169

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	3.5	**Precipitation Freq (Days)**	58
Climate Zone	6			**Operational Year**	2028
Utility Company	Sacramento Municipal Utility District				
CO2 Intensity (lb/MWhr)	298.37	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Simmerhorn Ranch - Sacramento Metropolitan AQMD Air District, Annual

Project Characteristics - CO2 intensity factor updated to reflect SMUD's projected RPS standards.

Land Use - Lot acreages updated per the preliminary site plans from September 2019 and information provided by the project applicant.

Construction Phase - Total days updated per the tentative schedule provided by the project applicant on the submitted air quality questionnaire.

Demolition -

Grading - Total acres graded updated per applicant-provided information.

Vehicle Trips - Updated weekday trip rates updated per the GHD Traffic Impact Study prepared for the proposed project. City park trip generation rate is set to zero because the applicant intends that all park visitors will access the site by foot.

Woodstoves - Applicant indicated that the proposed residents would have a natural gas fireplace.

Energy Use - Title 24 electricity and natural gas energy intensities are adjusted to comply with the 2019 CBSC.

Mobile Land Use Mitigation -

Area Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	200.00	10.00
tblConstructionPhase	NumDays	120.00	20.00
tblConstructionPhase	NumDays	310.00	40.00
tblConstructionPhase	NumDays	220.00	200.00
tblConstructionPhase	NumDays	3,100.00	1,300.00
tblConstructionPhase	NumDays	220.00	1,300.00
tblConstructionPhase	PhaseEndDate	9/4/2020	12/13/2019
tblConstructionPhase	PhaseEndDate	2/19/2021	5/12/2021
tblConstructionPhase	PhaseEndDate	4/29/2022	7/7/2021
tblConstructionPhase	PhaseEndDate	1/19/2035	4/13/2022
tblConstructionPhase	PhaseEndDate	3/17/2034	4/7/2027
tblConstructionPhase	PhaseEndDate	11/23/2035	4/21/2027
tblConstructionPhase	PhaseStartDate	9/5/2020	4/15/2021
tblConstructionPhase	PhaseStartDate	2/20/2021	5/13/2021
tblConstructionPhase	PhaseStartDate	3/18/2034	7/8/2021

tblConstructionPhase	PhaseStartDate	4/30/2022	4/14/2022
tblConstructionPhase	PhaseStartDate	1/20/2035	4/28/2022
tblEnergyUse	T24E	2.05	1.44
tblEnergyUse	T24E	678.97	319.12
tblEnergyUse	T24NG	14.60	10.22
tblEnergyUse	T24NG	23,147.69	10,879.41
tblGrading	AcresOfGrading	100.00	119.00
tblLandUse	LandUseSquareFeet	9,030.00	9,025.00
tblLandUse	LotAcreage	1.15	10.10
tblLandUse	LotAcreage	142.21	91.50
tblProjectCharacteristics	CO2IntensityFactor	590.31	298.37
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	1.29	1.32
tblVehicleTrips	WD_TR	9.52	8.46

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2019	0.0187	0.2074	0.1194	2.7000e-004	0.0226	9.1000e-003	0.0317	3.6800e-003	8.4700e-003	0.0121	0.0000	24.8527	24.8527	5.2500e-003	0.0000	24.9840
2021	0.2079	2.1568	1.7984	3.1700e-003	0.3755	0.1033	0.4787	0.1753	0.0950	0.2703	0.0000	279.2078	279.2078	0.0874	0.0000	281.3937
2022	1.0608	3.0050	3.2650	8.2600e-003	0.3086	0.1077	0.4163	0.0834	0.1014	0.1847	0.0000	746.2604	746.2604	0.0948	0.0000	748.6298
2023	1.4373	3.2359	3.6594	0.0102	0.4266	0.1041	0.5306	0.1153	0.0985	0.2137	0.0000	919.1975	919.1975	0.0958	0.0000	921.5917
2024	1.4236	3.0968	3.5823	0.0101	0.4298	0.0921	0.5220	0.1162	0.0871	0.2033	0.0000	913.7085	913.7085	0.0952	0.0000	916.0874
2025	1.3945	2.9208	3.4734	9.9100e-003	0.4282	0.0792	0.5074	0.1157	0.0749	0.1906	0.0000	897.9120	897.9120	0.0936	0.0000	900.2524
2026	1.3868	2.8953	3.4009	9.7900e-003	0.4282	0.0791	0.5073	0.1157	0.0748	0.1905	0.0000	886.7617	886.7617	0.0930	0.0000	889.0864
2027	0.4060	0.7654	0.8958	2.5900e-003	0.1154	0.0211	0.1366	0.0312	0.0200	0.0512	0.0000	234.5752	234.5752	0.0245	0.0000	235.1884
Maximum	**1.4373**	**3.2359**	**3.6594**	**0.0102**	**0.4298**	**0.1077**	**0.5306**	**0.1753**	**0.1014**	**0.2703**	**0.0000**	**919.1975**	**919.1975**	**0.0958**	**0.0000**	**921.5917**

2.1 Overall Construction

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2019	0.0187	0.2074	0.1194	2.7000e-004	0.0226	9.1000e-003	0.0317	3.6800e-003	8.4700e-003	0.0121	0.0000	24.8527	24.8527	5.2500e-003	0.0000	24.9839
2021	0.2079	2.1568	1.7984	3.1700e-003	0.3755	0.1033	0.4787	0.1753	0.0950	0.2703	0.0000	279.2074	279.2074	0.0874	0.0000	281.3934
2022	1.0608	3.0050	3.2650	8.2600e-003	0.3086	0.1077	0.4163	0.0834	0.1014	0.1847	0.0000	746.2600	746.2600	0.0948	0.0000	748.6294
2023	1.4373	3.2359	3.6594	0.0102	0.4266	0.1041	0.5306	0.1153	0.0985	0.2137	0.0000	919.1971	919.1971	0.0958	0.0000	921.5913
2024	1.4236	3.0968	3.5823	0.0101	0.4298	0.0921	0.5220	0.1162	0.0871	0.2033	0.0000	913.7081	913.7081	0.0952	0.0000	916.0870
2025	1.3945	2.9208	3.4734	9.9100e-003	0.4282	0.0792	0.5074	0.1157	0.0749	0.1906	0.0000	897.9116	897.9116	0.0936	0.0000	900.2520
2026	1.3868	2.8953	3.4009	9.7900e-003	0.4282	0.0791	0.5073	0.1157	0.0748	0.1905	0.0000	886.7613	886.7613	0.0930	0.0000	889.0860
2027	0.4060	0.7654	0.8958	2.5900e-003	0.1154	0.0211	0.1366	0.0312	0.0200	0.0512	0.0000	234.5751	234.5751	0.0245	0.0000	235.1883
Maximum	**1.4373**	**3.2359**	**3.6594**	**0.0102**	**0.4298**	**0.1077**	**0.5306**	**0.1753**	**0.1014**	**0.2703**	**0.0000**	**919.1971**	**919.1971**	**0.0958**	**0.0000**	**921.5913**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	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)
1	**12-1-2019**	**2-29-2020**	0.2101	0.2101
6	**3-1-2021**	**5-31-2021**	0.7891	0.7891

7	**6-1-2021**	**8-31-2021**	0.9504	0.9504
8	**9-1-2021**	**11-30-2021**	0.4638	0.4638
9	**12-1-2021**	**2-28-2022**	0.4175	0.4175
10	**3-1-2022**	**5-31-2022**	0.8151	0.8151
11	**6-1-2022**	**8-31-2022**	1.2862	1.2862
12	**9-1-2022**	**11-30-2022**	1.2770	1.2770
13	**12-1-2022**	**2-28-2023**	1.1961	1.1961
14	**3-1-2023**	**5-31-2023**	1.1824	1.1824
15	**6-1-2023**	**8-31-2023**	1.1808	1.1808
16	**9-1-2023**	**11-30-2023**	1.1712	1.1712
17	**12-1-2023**	**2-29-2024**	1.1416	1.1416
18	**3-1-2024**	**5-31-2024**	1.1349	1.1349
19	**6-1-2024**	**8-31-2024**	1.1335	1.1335
20	**9-1-2024**	**11-30-2024**	1.1241	1.1241
21	**12-1-2024**	**2-28-2025**	1.0826	1.0826
22	**3-1-2025**	**5-31-2025**	1.0876	1.0876
23	**6-1-2025**	**8-31-2025**	1.0862	1.0862
24	**9-1-2025**	**11-30-2025**	1.0771	1.0771
25	**12-1-2025**	**2-28-2026**	1.0611	1.0611
26	**3-1-2026**	**5-31-2026**	1.0791	1.0791
27	**6-1-2026**	**8-31-2026**	1.0778	1.0778
28	**9-1-2026**	**11-30-2026**	1.0687	1.0687
29	**12-1-2026**	**2-28-2027**	1.0531	1.0531
30	**3-1-2027**	**5-31-2027**	0.4907	0.4907
		Highest	1.2862	1.2862

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	3.9312	0.0521	4.5205	2.4000e-004		0.0251	0.0251		0.0251	0.0251	0.0000	7.3936	7.3936	7.1100e-003	0.0000	7.5713
Energy	0.0350	0.3006	0.1390	1.9100e-003		0.0242	0.0242		0.0242	0.0242	0.0000	870.9362	870.9362	0.0576	0.0169	877.4130
Mobile	0.8806	3.9058	10.0036	0.0390	4.0821	0.0284	4.1105	1.0934	0.0264	1.1198	0.0000	3,601.6779	3,601.6779	0.1460	0.0000	3,605.3281
Waste						0.0000	0.0000		0.0000	0.0000	107.7699	0.0000	107.7699	6.3690	0.0000	266.9955
Water						0.0000	0.0000		0.0000	0.0000	10.6112	34.2434	44.8546	0.0399	0.0238	52.9328
Total	**4.8467**	**4.2584**	**14.6631**	**0.0412**	**4.0821**	**0.0776**	**4.1597**	**1.0934**	**0.0756**	**1.1690**	**118.3812**	**4,514.2511**	**4,632.6323**	**6.6196**	**0.0407**	**4,810.2406**

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	3.9312	0.0521	4.5205	2.4000e-004		0.0251	0.0251		0.0251	0.0251	0.0000	7.3936	7.3936	7.1100e-003	0.0000	7.5713
Energy	0.0350	0.3006	0.1390	1.9100e-003		0.0242	0.0242		0.0242	0.0242	0.0000	870.9362	870.9362	0.0576	0.0169	877.4130
Mobile	0.8649	3.8186	9.6135	0.0372	3.8780	0.0272	3.9052	1.0387	0.0253	1.0640	0.0000	3,433.9107	3,433.9107	0.1404	0.0000	3,437.4209
Waste						0.0000	0.0000		0.0000	0.0000	107.7699	0.0000	107.7699	6.3690	0.0000	266.9955
Water						0.0000	0.0000		0.0000	0.0000	10.6112	34.2434	44.8546	0.0399	0.0238	52.9328
Total	**4.8310**	**4.1712**	**14.2730**	**0.0393**	**3.8780**	**0.0764**	**3.9544**	**1.0387**	**0.0745**	**1.1132**	**118.3812**	**4,346.4840**	**4,464.8651**	**6.6140**	**0.0407**	**4,642.3334**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.32**	**2.05**	**2.66**	**4.42**	**5.00**	**1.56**	**4.94**	**5.00**	**1.49**	**4.77**	**0.00**	**3.72**	**3.62**	**0.08**	**0.00**	**3.49**

3.0 Construction Detail

Construction Phase

Simmerhorn Ranch - Sacramento Metropolitan AQMD Air District, Annual

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	12/1/2019	12/13/2019	5	10	
2	Site Prep	Site Preparation	4/15/2021	5/12/2021	5	20	
3	Grading	Grading	5/13/2021	7/7/2021	5	40	
4	Building Construction	Building Construction	4/14/2022	4/7/2027	5	1300	
5	Paving	Paving	7/8/2021	4/13/2022	5	200	
6	Architectural Coating	Architectural Coating	4/28/2022	4/21/2027	5	1300	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 119

Acres of Paving: 0.21

Residential Indoor: 1,596,510; Residential Outdoor: 532,170; Non-Residential Indoor: 75,243; Non-Residential Outdoor: 25,081; Striped Parking Area: 542 (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 Prep	Rubber Tired Dozers	3	8.00	247	0.40
Site Prep	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	182.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Site Prep	7	18.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	303.00	104.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	61.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0205	0.0000	0.0205	3.1100e-003	0.0000	3.1100e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0176	0.1789	0.1103	1.9000e-004		8.9700e-003	8.9700e-003		8.3500e-003	8.3500e-003	0.0000	17.3132	17.3132	4.8200e-003	0.0000	17.4336
Total	**0.0176**	**0.1789**	**0.1103**	**1.9000e-004**	**0.0205**	**8.9700e-003**	**0.0295**	**3.1100e-003**	**8.3500e-003**	**0.0115**	**0.0000**	**17.3132**	**17.3132**	**4.8200e-003**	**0.0000**	**17.4336**

3.2 Demolition - 2019

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	8.0000e-004	0.0283	6.8400e-003	7.0000e-005	1.5400e-003	1.2000e-004	1.6500e-003	4.2000e-004	1.1000e-004	5.4000e-004	0.0000	7.0360	7.0360	4.2000e-004	0.0000	7.0465
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.0000e-004	2.1000e-004	2.3000e-003	1.0000e-005	5.5000e-004	0.0000	5.5000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.5035	0.5035	2.0000e-005	0.0000	0.5039
Total	**1.1000e-003**	**0.0285**	**9.1400e-003**	**8.0000e-005**	**2.0900e-003**	**1.2000e-004**	**2.2000e-003**	**5.7000e-004**	**1.1000e-004**	**6.9000e-004**	**0.0000**	**7.5395**	**7.5395**	**4.4000e-004**	**0.0000**	**7.5504**

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					0.0205	0.0000	0.0205	3.1100e-003	0.0000	3.1100e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0176	0.1789	0.1103	1.9000e-004		8.9700e-003	8.9700e-003		8.3500e-003	8.3500e-003	0.0000	17.3131	17.3131	4.8200e-003	0.0000	17.4336
Total	**0.0176**	**0.1789**	**0.1103**	**1.9000e-004**	**0.0205**	**8.9700e-003**	**0.0295**	**3.1100e-003**	**8.3500e-003**	**0.0115**	**0.0000**	**17.3131**	**17.3131**	**4.8200e-003**	**0.0000**	**17.4336**

3.2 Demolition - 2019

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	8.0000e-004	0.0283	6.8400e-003	7.0000e-005	1.5400e-003	1.2000e-004	1.6500e-003	4.2000e-004	1.1000e-004	5.4000e-004	0.0000	7.0360	7.0360	4.2000e-004	0.0000	7.0465
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.0000e-004	2.1000e-004	2.3000e-003	1.0000e-005	5.5000e-004	0.0000	5.5000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.5035	0.5035	2.0000e-005	0.0000	0.5039
Total	**1.1000e-003**	**0.0285**	**9.1400e-003**	**8.0000e-005**	**2.0900e-003**	**1.2000e-004**	**2.2000e-003**	**5.7000e-004**	**1.1000e-004**	**6.9000e-004**	**0.0000**	**7.5395**	**7.5395**	**4.4000e-004**	**0.0000**	**7.5504**

3.3 Site Prep - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1807	0.0000	0.1807	0.0993	0.0000	0.0993	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0389	0.4050	0.2115	3.8000e-004		0.0204	0.0204		0.0188	0.0188	0.0000	33.4357	33.4357	0.0108	0.0000	33.7061
Total	**0.0389**	**0.4050**	**0.2115**	**3.8000e-004**	**0.1807**	**0.0204**	**0.2011**	**0.0993**	**0.0188**	**0.1181**	**0.0000**	**33.4357**	**33.4357**	**0.0108**	**0.0000**	**33.7061**

3.3 Site Prep - 2021

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	6.2000e-004	4.1000e-004	4.5600e-003	1.0000e-005	1.3200e-003	1.0000e-005	1.3300e-003	3.5000e-004	1.0000e-005	3.6000e-004	0.0000	1.1314	1.1314	3.0000e-005	0.0000	1.1322
Total	**6.2000e-004**	**4.1000e-004**	**4.5600e-003**	**1.0000e-005**	**1.3200e-003**	**1.0000e-005**	**1.3300e-003**	**3.5000e-004**	**1.0000e-005**	**3.6000e-004**	**0.0000**	**1.1314**	**1.1314**	**3.0000e-005**	**0.0000**	**1.1322**

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					0.1807	0.0000	0.1807	0.0993	0.0000	0.0993	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0389	0.4050	0.2115	3.8000e-004		0.0204	0.0204		0.0188	0.0188	0.0000	33.4357	33.4357	0.0108	0.0000	33.7060
Total	**0.0389**	**0.4050**	**0.2115**	**3.8000e-004**	**0.1807**	**0.0204**	**0.2011**	**0.0993**	**0.0188**	**0.1181**	**0.0000**	**33.4357**	**33.4357**	**0.0108**	**0.0000**	**33.7060**

3.3 Site Prep - 2021

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	6.2000e-004	4.1000e-004	4.5600e-003	1.0000e-005	1.3200e-003	1.0000e-005	1.3300e-003	3.5000e-004	1.0000e-005	3.6000e-004	0.0000	1.1314	1.1314	3.0000e-005	0.0000	1.1322
Total	**6.2000e-004**	**4.1000e-004**	**4.5600e-003**	**1.0000e-005**	**1.3200e-003**	**1.0000e-005**	**1.3300e-003**	**3.5000e-004**	**1.0000e-005**	**3.6000e-004**	**0.0000**	**1.1314**	**1.1314**	**3.0000e-005**	**0.0000**	**1.1322**

3.4 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1835	0.0000	0.1835	0.0730	0.0000	0.0730	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0838	0.9280	0.6176	1.2400e-003		0.0397	0.0397		0.0365	0.0365	0.0000	108.9900	108.9900	0.0353	0.0000	109.8712
Total	**0.0838**	**0.9280**	**0.6176**	**1.2400e-003**	**0.1835**	**0.0397**	**0.2233**	**0.0730**	**0.0365**	**0.1096**	**0.0000**	**108.9900**	**108.9900**	**0.0353**	**0.0000**	**109.8712**

3.4 Grading - 2021

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	1.3900e-003	9.1000e-004	0.0101	3.0000e-005	2.9400e-003	2.0000e-005	2.9600e-003	7.8000e-004	2.0000e-005	8.0000e-004	0.0000	2.5143	2.5143	7.0000e-005	0.0000	2.5160
Total	**1.3900e-003**	**9.1000e-004**	**0.0101**	**3.0000e-005**	**2.9400e-003**	**2.0000e-005**	**2.9600e-003**	**7.8000e-004**	**2.0000e-005**	**8.0000e-004**	**0.0000**	**2.5143**	**2.5143**	**7.0000e-005**	**0.0000**	**2.5160**

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					0.1835	0.0000	0.1835	0.0730	0.0000	0.0730	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0838	0.9280	0.6176	1.2400e-003		0.0397	0.0397		0.0365	0.0365	0.0000	108.9898	108.9898	0.0353	0.0000	109.8711
Total	**0.0838**	**0.9280**	**0.6176**	**1.2400e-003**	**0.1835**	**0.0397**	**0.2233**	**0.0730**	**0.0365**	**0.1096**	**0.0000**	**108.9898**	**108.9898**	**0.0353**	**0.0000**	**109.8711**

3.4 Grading - 2021

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	1.3900e-003	9.1000e-004	0.0101	3.0000e-005	2.9400e-003	2.0000e-005	2.9600e-003	7.8000e-004	2.0000e-005	8.0000e-004	0.0000	2.5143	2.5143	7.0000e-005	0.0000	2.5160
Total	**1.3900e-003**	**9.1000e-004**	**0.0101**	**3.0000e-005**	**2.9400e-003**	**2.0000e-005**	**2.9600e-003**	**7.8000e-004**	**2.0000e-005**	**8.0000e-004**	**0.0000**	**2.5143**	**2.5143**	**7.0000e-005**	**0.0000**	**2.5160**

3.5 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1595	1.4601	1.5300	2.5200e-003		0.0756	0.0756		0.0712	0.0712	0.0000	216.6631	216.6631	0.0519	0.0000	217.9608
Total	**0.1595**	**1.4601**	**1.5300**	**2.5200e-003**		**0.0756**	**0.0756**		**0.0712**	**0.0712**	**0.0000**	**216.6631**	**216.6631**	**0.0519**	**0.0000**	**217.9608**

3.5 Building Construction - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0284	0.9445	0.2451	2.3500e-003	0.0568	2.4100e-003	0.0593	0.0164	2.3100e-003	0.0187	0.0000	226.1628	226.1628	0.0127	0.0000	226.4796
Worker	0.0917	0.0576	0.6589	1.9000e-003	0.2081	1.4200e-003	0.2095	0.0553	1.3100e-003	0.0567	0.0000	171.7010	171.7010	4.2000e-003	0.0000	171.8061
Total	**0.1201**	**1.0021**	**0.9040**	**4.2500e-003**	**0.2649**	**3.8300e-003**	**0.2688**	**0.0718**	**3.6200e-003**	**0.0754**	**0.0000**	**397.8638**	**397.8638**	**0.0169**	**0.0000**	**398.2857**

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	0.1595	1.4601	1.5300	2.5200e-003		0.0756	0.0756		0.0712	0.0712	0.0000	216.6629	216.6629	0.0519	0.0000	217.9605
Total	**0.1595**	**1.4601**	**1.5300**	**2.5200e-003**		**0.0756**	**0.0756**		**0.0712**	**0.0712**	**0.0000**	**216.6629**	**216.6629**	**0.0519**	**0.0000**	**217.9605**

3.5 Building Construction - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0284	0.9445	0.2451	2.3500e-003	0.0568	2.4100e-003	0.0593	0.0164	2.3100e-003	0.0187	0.0000	226.1628	226.1628	0.0127	0.0000	226.4796
Worker	0.0917	0.0576	0.6589	1.9000e-003	0.2081	1.4200e-003	0.2095	0.0553	1.3100e-003	0.0567	0.0000	171.7010	171.7010	4.2000e-003	0.0000	171.8061
Total	**0.1201**	**1.0021**	**0.9040**	**4.2500e-003**	**0.2649**	**3.8300e-003**	**0.2688**	**0.0718**	**3.6200e-003**	**0.0754**	**0.0000**	**397.8638**	**397.8638**	**0.0169**	**0.0000**	**398.2857**

3.5 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2045	1.8700	2.1117	3.5000e-003		0.0910	0.0910		0.0856	0.0856	0.0000	301.3462	301.3462	0.0717	0.0000	303.1383
Total	**0.2045**	**1.8700**	**2.1117**	**3.5000e-003**		**0.0910**	**0.0910**		**0.0856**	**0.0856**	**0.0000**	**301.3462**	**301.3462**	**0.0717**	**0.0000**	**303.1383**

3.5 Building Construction - 2023

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	0.0312	1.1099	0.3015	3.2100e-003	0.0790	1.6000e-003	0.0806	0.0228	1.5300e-003	0.0244	0.0000	308.6388	308.6388	0.0158	0.0000	309.0340
Worker	0.1193	0.0721	0.8414	2.5400e-003	0.2893	1.9200e-003	0.2912	0.0769	1.7700e-003	0.0787	0.0000	229.7641	229.7641	5.2400e-003	0.0000	229.8950
Total	**0.1505**	**1.1820**	**1.1429**	**5.7500e-003**	**0.3683**	**3.5200e-003**	**0.3718**	**0.0998**	**3.3000e-003**	**0.1031**	**0.0000**	**538.4029**	**538.4029**	**0.0211**	**0.0000**	**538.9290**

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	0.2045	1.8700	2.1117	3.5000e-003		0.0910	0.0910		0.0856	0.0856	0.0000	301.3458	301.3458	0.0717	0.0000	303.1380
Total	**0.2045**	**1.8700**	**2.1117**	**3.5000e-003**		**0.0910**	**0.0910**		**0.0856**	**0.0856**	**0.0000**	**301.3458**	**301.3458**	**0.0717**	**0.0000**	**303.1380**

3.5 Building Construction - 2023

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	0.0312	1.1099	0.3015	3.2100e-003	0.0790	1.6000e-003	0.0806	0.0228	1.5300e-003	0.0244	0.0000	308.6388	308.6388	0.0158	0.0000	309.0340
Worker	0.1193	0.0721	0.8414	2.5400e-003	0.2893	1.9200e-003	0.2912	0.0769	1.7700e-003	0.0787	0.0000	229.7641	229.7641	5.2400e-003	0.0000	229.8950
Total	**0.1505**	**1.1820**	**1.1429**	**5.7500e-003**	**0.3683**	**3.5200e-003**	**0.3718**	**0.0998**	**3.3000e-003**	**0.1031**	**0.0000**	**538.4029**	**538.4029**	**0.0211**	**0.0000**	**538.9290**

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**

3.5 Building Construction - 2024

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	0.0300	1.0971	0.2841	3.2100e-003	0.0796	1.5300e-003	0.0812	0.0230	1.4600e-003	0.0245	0.0000	309.2074	309.2074	0.0157	0.0000	309.6008
Worker	0.1131	0.0657	0.7852	2.4600e-003	0.2915	1.8900e-003	0.2934	0.0775	1.7400e-003	0.0793	0.0000	222.5311	222.5311	4.7600e-003	0.0000	222.6501
Total	**0.1430**	**1.1627**	**1.0692**	**5.6700e-003**	**0.3712**	**3.4200e-003**	**0.3746**	**0.1005**	**3.2000e-003**	**0.1038**	**0.0000**	**531.7385**	**531.7385**	**0.0205**	**0.0000**	**532.2509**

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**

3.5 Building Construction - 2024

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	0.0300	1.0971	0.2841	3.2100e-003	0.0796	1.5300e-003	0.0812	0.0230	1.4600e-003	0.0245	0.0000	309.2074	309.2074	0.0157	0.0000	309.6008
Worker	0.1131	0.0657	0.7852	2.4600e-003	0.2915	1.8900e-003	0.2934	0.0775	1.7400e-003	0.0793	0.0000	222.5311	222.5311	4.7600e-003	0.0000	222.6501
Total	**0.1430**	**1.1627**	**1.0692**	**5.6700e-003**	**0.3712**	**3.4200e-003**	**0.3746**	**0.1005**	**3.2000e-003**	**0.1038**	**0.0000**	**531.7385**	**531.7385**	**0.0205**	**0.0000**	**532.2509**

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**

3.5 Building Construction - 2025

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	0.0286	1.0726	0.2679	3.1800e-003	0.0793	1.4400e-003	0.0808	0.0229	1.3800e-003	0.0243	0.0000	306.2885	306.2885	0.0155	0.0000	306.6758
Worker	0.1064	0.0594	0.7245	2.3500e-003	0.2904	1.8500e-003	0.2923	0.0772	1.7000e-003	0.0789	0.0000	212.8064	212.8064	4.3000e-003	0.0000	212.9138
Total	**0.1350**	**1.1320**	**0.9924**	**5.5300e-003**	**0.3697**	**3.2900e-003**	**0.3730**	**0.1002**	**3.0800e-003**	**0.1032**	**0.0000**	**519.0949**	**519.0949**	**0.0198**	**0.0000**	**519.5896**

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**

3.5 Building Construction - 2025

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	0.0286	1.0726	0.2679	3.1800e-003	0.0793	1.4400e-003	0.0808	0.0229	1.3800e-003	0.0243	0.0000	306.2885	306.2885	0.0155	0.0000	306.6758
Worker	0.1064	0.0594	0.7245	2.3500e-003	0.2904	1.8500e-003	0.2923	0.0772	1.7000e-003	0.0789	0.0000	212.8064	212.8064	4.3000e-003	0.0000	212.9138
Total	**0.1350**	**1.1320**	**0.9924**	**5.5300e-003**	**0.3697**	**3.2900e-003**	**0.3730**	**0.1002**	**3.0800e-003**	**0.1032**	**0.0000**	**519.0949**	**519.0949**	**0.0198**	**0.0000**	**519.5896**

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**

3.5 Building Construction - 2026

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	0.0276	1.0534	0.2557	3.1600e-003	0.0793	1.3600e-003	0.0807	0.0229	1.3000e-003	0.0242	0.0000	304.6366	304.6366	0.0153	0.0000	305.0197
Worker	0.1008	0.0543	0.6743	2.2700e-003	0.2904	1.8000e-003	0.2922	0.0772	1.6500e-003	0.0789	0.0000	204.8998	204.8998	3.9100e-003	0.0000	204.9976
Total	**0.1284**	**1.1076**	**0.9300**	**5.4300e-003**	**0.3697**	**3.1600e-003**	**0.3729**	**0.1002**	**2.9500e-003**	**0.1031**	**0.0000**	**509.5364**	**509.5364**	**0.0192**	**0.0000**	**510.0173**

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**

3.5 Building Construction - 2026

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	0.0276	1.0534	0.2557	3.1600e-003	0.0793	1.3600e-003	0.0807	0.0229	1.3000e-003	0.0242	0.0000	304.6366	304.6366	0.0153	0.0000	305.0197
Worker	0.1008	0.0543	0.6743	2.2700e-003	0.2904	1.8000e-003	0.2922	0.0772	1.6500e-003	0.0789	0.0000	204.8998	204.8998	3.9100e-003	0.0000	204.9976
Total	**0.1284**	**1.1076**	**0.9300**	**5.4300e-003**	**0.3697**	**3.1600e-003**	**0.3729**	**0.1002**	**2.9500e-003**	**0.1031**	**0.0000**	**509.5364**	**509.5364**	**0.0192**	**0.0000**	**510.0173**

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	0.0472	0.4302	0.5549	9.3000e-004		0.0182	0.0182		0.0171	0.0171	0.0000	80.0122	80.0122	0.0188	0.0000	80.4824
Total	**0.0472**	**0.4302**	**0.5549**	**9.3000e-004**		**0.0182**	**0.0182**		**0.0171**	**0.0171**	**0.0000**	**80.0122**	**80.0122**	**0.0188**	**0.0000**	**80.4824**

3.5 Building Construction - 2027

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	7.0300e-003	0.2738	0.0648	8.3000e-004	0.0210	3.4000e-004	0.0213	6.0600e-003	3.3000e-004	6.3900e-003	0.0000	80.1255	80.1255	4.0100e-003	0.0000	80.2257
Worker	0.0252	0.0131	0.1663	5.8000e-004	0.0768	4.5000e-004	0.0772	0.0204	4.2000e-004	0.0208	0.0000	52.2977	52.2977	9.4000e-004	0.0000	52.3213
Total	**0.0323**	**0.2869**	**0.2311**	**1.4100e-003**	**0.0977**	**7.9000e-004**	**0.0985**	**0.0265**	**7.5000e-004**	**0.0272**	**0.0000**	**132.4232**	**132.4232**	**4.9500e-003**	**0.0000**	**132.5469**

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	0.0472	0.4302	0.5549	9.3000e-004		0.0182	0.0182		0.0171	0.0171	0.0000	80.0121	80.0121	0.0188	0.0000	80.4823
Total	**0.0472**	**0.4302**	**0.5549**	**9.3000e-004**		**0.0182**	**0.0182**		**0.0171**	**0.0171**	**0.0000**	**80.0121**	**80.0121**	**0.0188**	**0.0000**	**80.4823**

3.5 Building Construction - 2027

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	7.0300e-003	0.2738	0.0648	8.3000e-004	0.0210	3.4000e-004	0.0213	6.0600e-003	3.3000e-004	6.3900e-003	0.0000	80.1255	80.1255	4.0100e-003	0.0000	80.2257
Worker	0.0252	0.0131	0.1663	5.8000e-004	0.0768	4.5000e-004	0.0772	0.0204	4.2000e-004	0.0208	0.0000	52.2977	52.2977	9.4000e-004	0.0000	52.3213
Total	**0.0323**	**0.2869**	**0.2311**	**1.4100e-003**	**0.0977**	**7.9000e-004**	**0.0985**	**0.0265**	**7.5000e-004**	**0.0272**	**0.0000**	**132.4232**	**132.4232**	**4.9500e-003**	**0.0000**	**132.5469**

3.6 Paving - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0797	0.8204	0.9305	1.4500e-003		0.0430	0.0430		0.0396	0.0396	0.0000	127.1491	127.1491	0.0411	0.0000	128.1772
Paving	1.7000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0799**	**0.8204**	**0.9305**	**1.4500e-003**		**0.0430**	**0.0430**		**0.0396**	**0.0396**	**0.0000**	**127.1491**	**127.1491**	**0.0411**	**0.0000**	**128.1772**

3.6 Paving - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.3000e-003	2.1600e-003	0.0241	7.0000e-005	7.0000e-003	5.0000e-005	7.0400e-003	1.8600e-003	5.0000e-005	1.9100e-003	0.0000	5.9872	5.9872	1.6000e-004	0.0000	5.9911
Total	**3.3000e-003**	**2.1600e-003**	**0.0241**	**7.0000e-005**	**7.0000e-003**	**5.0000e-005**	**7.0400e-003**	**1.8600e-003**	**5.0000e-005**	**1.9100e-003**	**0.0000**	**5.9872**	**5.9872**	**1.6000e-004**	**0.0000**	**5.9911**

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	0.0797	0.8204	0.9305	1.4500e-003		0.0430	0.0430		0.0396	0.0396	0.0000	127.1490	127.1490	0.0411	0.0000	128.1770
Paving	1.7000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0799**	**0.8204**	**0.9305**	**1.4500e-003**		**0.0430**	**0.0430**		**0.0396**	**0.0396**	**0.0000**	**127.1490**	**127.1490**	**0.0411**	**0.0000**	**128.1770**

3.6 Paving - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.3000e-003	2.1600e-003	0.0241	7.0000e-005	7.0000e-003	5.0000e-005	7.0400e-003	1.8600e-003	5.0000e-005	1.9100e-003	0.0000	5.9872	5.9872	1.6000e-004	0.0000	5.9911
Total	**3.3000e-003**	**2.1600e-003**	**0.0241**	**7.0000e-005**	**7.0000e-003**	**5.0000e-005**	**7.0400e-003**	**1.8600e-003**	**5.0000e-005**	**1.9100e-003**	**0.0000**	**5.9872**	**5.9872**	**1.6000e-004**	**0.0000**	**5.9911**

3.6 Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0403	0.4061	0.5322	8.3000e-004		0.0207	0.0207		0.0191	0.0191	0.0000	73.1006	73.1006	0.0236	0.0000	73.6916
Paving	1.0000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0404**	**0.4061**	**0.5322**	**8.3000e-004**		**0.0207**	**0.0207**		**0.0191**	**0.0191**	**0.0000**	**73.1006**	**73.1006**	**0.0236**	**0.0000**	**73.6916**

3.6 Paving - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	1.7700e-003	1.1100e-003	0.0127	4.0000e-005	4.0200e-003	3.0000e-005	4.0500e-003	1.0700e-003	3.0000e-005	1.0900e-003	0.0000	3.3182	3.3182	8.0000e-005	0.0000	3.3202
Total	**1.7700e-003**	**1.1100e-003**	**0.0127**	**4.0000e-005**	**4.0200e-003**	**3.0000e-005**	**4.0500e-003**	**1.0700e-003**	**3.0000e-005**	**1.0900e-003**	**0.0000**	**3.3182**	**3.3182**	**8.0000e-005**	**0.0000**	**3.3202**

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	0.0403	0.4061	0.5322	8.3000e-004		0.0207	0.0207		0.0191	0.0191	0.0000	73.1005	73.1005	0.0236	0.0000	73.6916
Paving	1.0000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0404**	**0.4061**	**0.5322**	**8.3000e-004**		**0.0207**	**0.0207**		**0.0191**	**0.0191**	**0.0000**	**73.1005**	**73.1005**	**0.0236**	**0.0000**	**73.6916**

3.6 Paving - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	1.7700e-003	1.1100e-003	0.0127	4.0000e-005	4.0200e-003	3.0000e-005	4.0500e-003	1.0700e-003	3.0000e-005	1.0900e-003	0.0000	3.3182	3.3182	8.0000e-005	0.0000	3.3202
Total	**1.7700e-003**	**1.1100e-003**	**0.0127**	**4.0000e-005**	**4.0200e-003**	**3.0000e-005**	**4.0500e-003**	**1.0700e-003**	**3.0000e-005**	**1.0900e-003**	**0.0000**	**3.3182**	**3.3182**	**8.0000e-005**	**0.0000**	**3.3202**

3.7 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.7035					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0181	0.1247	0.1605	2.6000e-004		7.2300e-003	7.2300e-003		7.2300e-003	7.2300e-003	0.0000	22.5963	22.5963	1.4700e-003	0.0000	22.6331
Total	**0.7216**	**0.1247**	**0.1605**	**2.6000e-004**		**7.2300e-003**	**7.2300e-003**		**7.2300e-003**	**7.2300e-003**	**0.0000**	**22.5963**	**22.5963**	**1.4700e-003**	**0.0000**	**22.6331**

3.7 Architectural Coating - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0175	0.0110	0.1256	3.6000e-004	0.0397	2.7000e-004	0.0399	0.0106	2.5000e-004	0.0108	0.0000	32.7184	32.7184	8.0000e-004	0.0000	32.7384
Total	**0.0175**	**0.0110**	**0.1256**	**3.6000e-004**	**0.0397**	**2.7000e-004**	**0.0399**	**0.0106**	**2.5000e-004**	**0.0108**	**0.0000**	**32.7184**	**32.7184**	**8.0000e-004**	**0.0000**	**32.7384**

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	0.7035					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0181	0.1247	0.1605	2.6000e-004		7.2300e-003	7.2300e-003		7.2300e-003	7.2300e-003	0.0000	22.5963	22.5963	1.4700e-003	0.0000	22.6331
Total	**0.7216**	**0.1247**	**0.1605**	**2.6000e-004**		**7.2300e-003**	**7.2300e-003**		**7.2300e-003**	**7.2300e-003**	**0.0000**	**22.5963**	**22.5963**	**1.4700e-003**	**0.0000**	**22.6331**

3.7 Architectural Coating - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0175	0.0110	0.1256	3.6000e-004	0.0397	2.7000e-004	0.0399	0.0106	2.5000e-004	0.0108	0.0000	32.7184	32.7184	8.0000e-004	0.0000	32.7384
Total	**0.0175**	**0.0110**	**0.1256**	**3.6000e-004**	**0.0397**	**2.7000e-004**	**0.0399**	**0.0106**	**2.5000e-004**	**0.0108**	**0.0000**	**32.7184**	**32.7184**	**8.0000e-004**	**0.0000**	**32.7384**

3.7 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.0334					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0249	0.1694	0.2355	3.9000e-004		9.2100e-003	9.2100e-003		9.2100e-003	9.2100e-003	0.0000	33.1923	33.1923	1.9900e-003	0.0000	33.2419
Total	**1.0583**	**0.1694**	**0.2355**	**3.9000e-004**		**9.2100e-003**	**9.2100e-003**		**9.2100e-003**	**9.2100e-003**	**0.0000**	**33.1923**	**33.1923**	**1.9900e-003**	**0.0000**	**33.2419**

3.7 Architectural Coating - 2023

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	0.0240	0.0145	0.1694	5.1000e-004	0.0582	3.9000e-004	0.0586	0.0155	3.6000e-004	0.0159	0.0000	46.2561	46.2561	1.0500e-003	0.0000	46.2825
Total	**0.0240**	**0.0145**	**0.1694**	**5.1000e-004**	**0.0582**	**3.9000e-004**	**0.0586**	**0.0155**	**3.6000e-004**	**0.0159**	**0.0000**	**46.2561**	**46.2561**	**1.0500e-003**	**0.0000**	**46.2825**

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	1.0334					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0249	0.1694	0.2354	3.9000e-004		9.2100e-003	9.2100e-003		9.2100e-003	9.2100e-003	0.0000	33.1923	33.1923	1.9900e-003	0.0000	33.2419
Total	**1.0583**	**0.1694**	**0.2354**	**3.9000e-004**		**9.2100e-003**	**9.2100e-003**		**9.2100e-003**	**9.2100e-003**	**0.0000**	**33.1923**	**33.1923**	**1.9900e-003**	**0.0000**	**33.2419**

3.7 Architectural Coating - 2023

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	0.0240	0.0145	0.1694	5.1000e-004	0.0582	3.9000e-004	0.0586	0.0155	3.6000e-004	0.0159	0.0000	46.2561	46.2561	1.0500e-003	0.0000	46.2825
Total	**0.0240**	**0.0145**	**0.1694**	**5.1000e-004**	**0.0582**	**3.9000e-004**	**0.0586**	**0.0155**	**3.6000e-004**	**0.0159**	**0.0000**	**46.2561**	**46.2561**	**1.0500e-003**	**0.0000**	**46.2825**

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	1.0413					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	**1.0650**	**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**

3.7 Architectural Coating - 2024

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	0.0228	0.0132	0.1581	5.0000e-004	0.0587	3.8000e-004	0.0591	0.0156	3.5000e-004	0.0160	0.0000	44.8000	44.8000	9.6000e-004	0.0000	44.8240
Total	**0.0228**	**0.0132**	**0.1581**	**5.0000e-004**	**0.0587**	**3.8000e-004**	**0.0591**	**0.0156**	**3.5000e-004**	**0.0160**	**0.0000**	**44.8000**	**44.8000**	**9.6000e-004**	**0.0000**	**44.8240**

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	1.0413					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	**1.0650**	**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**

3.7 Architectural Coating - 2024

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	0.0228	0.0132	0.1581	5.0000e-004	0.0587	3.8000e-004	0.0591	0.0156	3.5000e-004	0.0160	0.0000	44.8000	44.8000	9.6000e-004	0.0000	44.8240
Total	**0.0228**	**0.0132**	**0.1581**	**5.0000e-004**	**0.0587**	**3.8000e-004**	**0.0591**	**0.0156**	**3.5000e-004**	**0.0160**	**0.0000**	**44.8000**	**44.8000**	**9.6000e-004**	**0.0000**	**44.8240**

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	1.0374					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0223	0.1495	0.2361	3.9000e-004		6.7200e-003	6.7200e-003		6.7200e-003	6.7200e-003	0.0000	33.3200	33.3200	1.8200e-003	0.0000	33.3654
Total	**1.0597**	**0.1495**	**0.2361**	**3.9000e-004**		**6.7200e-003**	**6.7200e-003**		**6.7200e-003**	**6.7200e-003**	**0.0000**	**33.3200**	**33.3200**	**1.8200e-003**	**0.0000**	**33.3654**

3.7 Architectural Coating - 2025

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	0.0214	0.0120	0.1459	4.7000e-004	0.0585	3.7000e-004	0.0588	0.0156	3.4000e-004	0.0159	0.0000	42.8422	42.8422	8.7000e-004	0.0000	42.8638
Total	**0.0214**	**0.0120**	**0.1459**	**4.7000e-004**	**0.0585**	**3.7000e-004**	**0.0588**	**0.0156**	**3.4000e-004**	**0.0159**	**0.0000**	**42.8422**	**42.8422**	**8.7000e-004**	**0.0000**	**42.8638**

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	1.0374					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0223	0.1495	0.2361	3.9000e-004		6.7200e-003	6.7200e-003		6.7200e-003	6.7200e-003	0.0000	33.3199	33.3199	1.8200e-003	0.0000	33.3654
Total	**1.0597**	**0.1495**	**0.2361**	**3.9000e-004**		**6.7200e-003**	**6.7200e-003**		**6.7200e-003**	**6.7200e-003**	**0.0000**	**33.3199**	**33.3199**	**1.8200e-003**	**0.0000**	**33.3654**

3.7 Architectural Coating - 2025

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	0.0214	0.0120	0.1459	4.7000e-004	0.0585	3.7000e-004	0.0588	0.0156	3.4000e-004	0.0159	0.0000	42.8422	42.8422	8.7000e-004	0.0000	42.8638
Total	**0.0214**	**0.0120**	**0.1459**	**4.7000e-004**	**0.0585**	**3.7000e-004**	**0.0588**	**0.0156**	**3.4000e-004**	**0.0159**	**0.0000**	**42.8422**	**42.8422**	**8.7000e-004**	**0.0000**	**42.8638**

3.7 Architectural Coating - 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					
Archit. Coating	1.0374					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0223	0.1495	0.2361	3.9000e-004		6.7200e-003	6.7200e-003		6.7200e-003	6.7200e-003	0.0000	33.3200	33.3200	1.8200e-003	0.0000	33.3654
Total	**1.0597**	**0.1495**	**0.2361**	**3.9000e-004**		**6.7200e-003**	**6.7200e-003**		**6.7200e-003**	**6.7200e-003**	**0.0000**	**33.3200**	**33.3200**	**1.8200e-003**	**0.0000**	**33.3654**

3.7 Architectural Coating - 2026

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	0.0203	0.0109	0.1358	4.6000e-004	0.0585	3.6000e-004	0.0588	0.0156	3.3000e-004	0.0159	0.0000	41.2505	41.2505	7.9000e-004	0.0000	41.2701
Total	**0.0203**	**0.0109**	**0.1358**	**4.6000e-004**	**0.0585**	**3.6000e-004**	**0.0588**	**0.0156**	**3.3000e-004**	**0.0159**	**0.0000**	**41.2505**	**41.2505**	**7.9000e-004**	**0.0000**	**41.2701**

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	1.0374					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0223	0.1495	0.2361	3.9000e-004		6.7200e-003	6.7200e-003		6.7200e-003	6.7200e-003	0.0000	33.3199	33.3199	1.8200e-003	0.0000	33.3654
Total	**1.0597**	**0.1495**	**0.2361**	**3.9000e-004**		**6.7200e-003**	**6.7200e-003**		**6.7200e-003**	**6.7200e-003**	**0.0000**	**33.3199**	**33.3199**	**1.8200e-003**	**0.0000**	**33.3654**

3.7 Architectural Coating - 2026

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	0.0203	0.0109	0.1358	4.6000e-004	0.0585	3.6000e-004	0.0588	0.0156	3.3000e-004	0.0159	0.0000	41.2505	41.2505	7.9000e-004	0.0000	41.2701
Total	**0.0203**	**0.0109**	**0.1358**	**4.6000e-004**	**0.0585**	**3.6000e-004**	**0.0588**	**0.0156**	**3.3000e-004**	**0.0159**	**0.0000**	**41.2505**	**41.2505**	**7.9000e-004**	**0.0000**	**41.2701**

3.7 Architectural Coating - 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					
Archit. Coating	0.3140					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.7500e-003	0.0453	0.0715	1.2000e-004		2.0300e-003	2.0300e-003		2.0300e-003	2.0300e-003	0.0000	10.0854	10.0854	5.5000e-004	0.0000	10.0991
Total	**0.3207**	**0.0453**	**0.0715**	**1.2000e-004**		**2.0300e-003**	**2.0300e-003**		**2.0300e-003**	**2.0300e-003**	**0.0000**	**10.0854**	**10.0854**	**5.5000e-004**	**0.0000**	**10.0991**

3.7 Architectural Coating - 2027

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	5.8100e-003	3.0300e-003	0.0383	1.3000e-004	0.0177	1.0000e-004	0.0178	4.7100e-003	1.0000e-004	4.8000e-003	0.0000	12.0545	12.0545	2.2000e-004	0.0000	12.0599
Total	**5.8100e-003**	**3.0300e-003**	**0.0383**	**1.3000e-004**	**0.0177**	**1.0000e-004**	**0.0178**	**4.7100e-003**	**1.0000e-004**	**4.8000e-003**	**0.0000**	**12.0545**	**12.0545**	**2.2000e-004**	**0.0000**	**12.0599**

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	0.3140					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.7500e-003	0.0453	0.0715	1.2000e-004		2.0300e-003	2.0300e-003		2.0300e-003	2.0300e-003	0.0000	10.0853	10.0853	5.5000e-004	0.0000	10.0991
Total	**0.3207**	**0.0453**	**0.0715**	**1.2000e-004**		**2.0300e-003**	**2.0300e-003**		**2.0300e-003**	**2.0300e-003**	**0.0000**	**10.0853**	**10.0853**	**5.5000e-004**	**0.0000**	**10.0991**

3.7 Architectural Coating - 2027

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	5.8100e-003	3.0300e-003	0.0383	1.3000e-004	0.0177	1.0000e-004	0.0178	4.7100e-003	1.0000e-004	4.8000e-003	0.0000	12.0545	12.0545	2.2000e-004	0.0000	12.0599
Total	**5.8100e-003**	**3.0300e-003**	**0.0383**	**1.3000e-004**	**0.0177**	**1.0000e-004**	**0.0178**	**4.7100e-003**	**1.0000e-004**	**4.8000e-003**	**0.0000**	**12.0545**	**12.0545**	**2.2000e-004**	**0.0000**	**12.0599**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Improve Pedestrian Network

Provide Traffic Calming Measures

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.8649	3.8186	9.6135	0.0372	3.8780	0.0272	3.9052	1.0387	0.0253	1.0640	0.0000	3,433.9107	3,433.9107	0.1404	0.0000	3,437.4209
Unmitigated	0.8806	3.9058	10.0036	0.0390	4.0821	0.0284	4.1105	1.0934	0.0264	1.1198	0.0000	3,601.6779	3,601.6779	0.1460	0.0000	3,605.3281

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
Elementary School	793.98	0.00	0.00	1,192,587	1,132,957
Other Asphalt Surfaces	0.00	0.00	0.00		
Single Family Housing	3,707.01	4,340.58	3775.56	9,769,985	9,281,486
Total	4,500.99	4,340.58	3,775.56	10,962,572	10,414,443

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	10.00	5.00	6.50	33.00	48.00	19.00	66	28	6
Elementary School	10.00	5.00	6.50	65.00	30.00	5.00	63	25	12
Other Asphalt Surfaces	10.00	5.00	6.50	0.00	0.00	0.00	0	0	0
Single Family Housing	10.00	5.00	6.50	46.50	12.50	41.00	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.574521	0.035271	0.210873	0.107638	0.013399	0.004562	0.018333	0.025065	0.001898	0.001611	0.005555	0.000614	0.000658
Elementary School	0.574521	0.035271	0.210873	0.107638	0.013399	0.004562	0.018333	0.025065	0.001898	0.001611	0.005555	0.000614	0.000658
Other Asphalt Surfaces	0.574521	0.035271	0.210873	0.107638	0.013399	0.004562	0.018333	0.025065	0.001898	0.001611	0.005555	0.000614	0.000658
Single Family Housing	0.574521	0.035271	0.210873	0.107638	0.013399	0.004562	0.018333	0.025065	0.001898	0.001611	0.005555	0.000614	0.000658

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	524.7198	524.7198	0.0510	0.0106	529.1392
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	524.7198	524.7198	0.0510	0.0106	529.1392
NaturalGas Mitigated	0.0350	0.3006	0.1390	1.9100e-003		0.0242	0.0242		0.0242	0.0242	0.0000	346.2164	346.2164	6.6400e-003	6.3500e-003	348.2738
NaturalGas Unmitigated	0.0350	0.3006	0.1390	1.9100e-003		0.0242	0.0242		0.0242	0.0242	0.0000	346.2164	346.2164	6.6400e-003	6.3500e-003	348.2738

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Elementary School	545763	2.9400e-003	0.0268	0.0225	1.6000e-004		2.0300e-003	2.0300e-003		2.0300e-003	2.0300e-003	0.0000	29.1240	29.1240	5.6000e-004	5.3000e-004	29.2971
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	5.94209e+006	0.0320	0.2738	0.1165	1.7500e-003		0.0221	0.0221		0.0221	0.0221	0.0000	317.0924	317.0924	6.0800e-003	5.8100e-003	318.9767
Total		**0.0350**	**0.3006**	**0.1390**	**1.9100e-003**		**0.0242**	**0.0242**		**0.0242**	**0.0242**	**0.0000**	**346.2164**	**346.2164**	**6.6400e-003**	**6.3400e-003**	**348.2738**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
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	545763	2.9400e-003	0.0268	0.0225	1.6000e-004		2.0300e-003	2.0300e-003		2.0300e-003	2.0300e-003	0.0000	29.1240	29.1240	5.6000e-004	5.3000e-004	29.2971
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	5.94209e+006	0.0320	0.2738	0.1165	1.7500e-003		0.0221	0.0221		0.0221	0.0221	0.0000	317.0924	317.0924	6.0800e-003	5.8100e-003	318.9767
Total		**0.0350**	**0.3006**	**0.1390**	**1.9100e-003**		**0.0242**	**0.0242**		**0.0242**	**0.0242**	**0.0000**	**346.2164**	**346.2164**	**6.6400e-003**	**6.3400e-003**	**348.2738**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
Elementary School	336336	45.5192	4.4200e-003	9.2000e-004	45.9026
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	3.54076e+006	479.2006	0.0466	9.6400e-003	483.2366
Total		**524.7198**	**0.0510**	**0.0106**	**529.1392**

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
Elementary School	336336	45.5192	4.4200e-003	9.2000e-004	45.9026
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	3.54076e+006	479.2006	0.0466	9.6400e-003	483.2366
Total		**524.7198**	**0.0510**	**0.0106**	**529.1392**

6.0 Area Detail

6.1 Mitigation Measures Area

No Hearths Installed

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	3.9312	0.0521	4.5205	2.4000e-004		0.0251	0.0251		0.0251	0.0251	0.0000	7.3936	7.3936	7.1100e-003	0.0000	7.5713
Unmitigated	3.9312	0.0521	4.5205	2.4000e-004		0.0251	0.0251		0.0251	0.0251	0.0000	7.3936	7.3936	7.1100e-003	0.0000	7.5713

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.5167					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	3.2783					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.1362	0.0521	4.5205	2.4000e-004		0.0251	0.0251		0.0251	0.0251	0.0000	7.3936	7.3936	7.1100e-003	0.0000	7.5713
Total	**3.9312**	**0.0521**	**4.5205**	**2.4000e-004**		**0.0251**	**0.0251**		**0.0251**	**0.0251**	**0.0000**	**7.3936**	**7.3936**	**7.1100e-003**	**0.0000**	**7.5713**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.5167					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	3.2783					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.1362	0.0521	4.5205	2.4000e-004		0.0251	0.0251		0.0251	0.0251	0.0000	7.3936	7.3936	7.1100e-003	0.0000	7.5713
Total	**3.9312**	**0.0521**	**4.5205**	**2.4000e-004**		**0.0251**	**0.0251**		**0.0251**	**0.0251**	**0.0000**	**7.3936**	**7.3936**	**7.1100e-003**	**0.0000**	**7.5713**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	44.8546	0.0399	0.0238	52.9328
Unmitigated	44.8546	0.0399	0.0238	52.9328

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 7.86378	3.7250	3.6000e-004	7.0000e-005	3.7563
Elementary School	1.45454 / 3.74026	3.2672	2.0400e-003	1.1700e-003	3.6681
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	28.5375 / 17.991	37.8625	0.0375	0.0225	45.5083
Total		**44.8546**	**0.0399**	**0.0238**	**52.9328**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 7.86378	3.7250	3.6000e-004	7.0000e-005	3.7563
Elementary School	1.45454 / 3.74026	3.2672	2.0400e-003	1.1700e-003	3.6681
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	28.5375 / 17.991	37.8625	0.0375	0.0225	45.5083
Total		**44.8546**	**0.0399**	**0.0238**	**52.9328**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	107.7699	6.3690	0.0000	266.9955
Unmitigated	107.7699	6.3690	0.0000	266.9955

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0.57	0.1157	6.8400e-003	0.0000	0.2867
Elementary School	109.5	22.2275	1.3136	0.0000	55.0677
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	420.84	85.4267	5.0486	0.0000	211.6411
Total		**107.7699**	**6.3690**	**0.0000**	**266.9955**

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0.57	0.1157	6.8400e-003	0.0000	0.2867
Elementary School	109.5	22.2275	1.3136	0.0000	55.0677
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	420.84	85.4267	5.0486	0.0000	211.6411
Total		**107.7699**	**6.3690**	**0.0000**	**266.9955**

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Simmerhorn Ranch

Sacramento Metropolitan AQMD Air District, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Elementary School	600.00	Student	10.10	50,162.02	0
Other Asphalt Surfaces	9.03	1000sqft	0.21	9,025.00	0
City Park	6.60	Acre	6.60	287,496.00	0
Single Family Housing	438.00	Dwelling Unit	91.50	788,400.00	1169

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	3.5	**Precipitation Freq (Days)**	58
Climate Zone	6			**Operational Year**	2028
Utility Company	Sacramento Municipal Utility District				
CO2 Intensity (lb/MWhr)	298.37	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Simmerhorn Ranch - Sacramento Metropolitan AQMD Air District, Summer

Project Characteristics - CO2 intensity factor updated to reflect SMUD's projected RPS standards.

Land Use - Lot acreages updated per the preliminary site plans from September 2019 and information provided by the project applicant.

Construction Phase - Total days updated per the tentative schedule provided by the project applicant on the submitted air quality questionnaire.

Demolition -

Grading - Total acres graded updated per applicant-provided information.

Vehicle Trips - Updated weekday trip rates updated per the GHD Traffic Impact Study prepared for the proposed project. City park trip generation rate is set to zero because the applicant intends that all park visitors will access the site by foot.

Woodstoves - Applicant indicated that the proposed residents would have a natural gas fireplace.

Energy Use - Title 24 electricity and natural gas energy intensities are adjusted to comply with the 2019 CBSC.

Mobile Land Use Mitigation -

Area Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	200.00	10.00
tblConstructionPhase	NumDays	120.00	20.00
tblConstructionPhase	NumDays	310.00	40.00
tblConstructionPhase	NumDays	220.00	200.00
tblConstructionPhase	NumDays	3,100.00	1,300.00
tblConstructionPhase	NumDays	220.00	1,300.00
tblConstructionPhase	PhaseEndDate	9/4/2020	12/13/2019
tblConstructionPhase	PhaseEndDate	2/19/2021	5/12/2021
tblConstructionPhase	PhaseEndDate	4/29/2022	7/7/2021
tblConstructionPhase	PhaseEndDate	1/19/2035	4/13/2022
tblConstructionPhase	PhaseEndDate	3/17/2034	4/7/2027
tblConstructionPhase	PhaseEndDate	11/23/2035	4/21/2027
tblConstructionPhase	PhaseStartDate	9/5/2020	4/15/2021
tblConstructionPhase	PhaseStartDate	2/20/2021	5/13/2021
tblConstructionPhase	PhaseStartDate	3/18/2034	7/8/2021

tblConstructionPhase	PhaseStartDate	4/30/2022	4/14/2022
tblConstructionPhase	PhaseStartDate	1/20/2035	4/28/2022
tblEnergyUse	T24E	2.05	1.44
tblEnergyUse	T24E	678.97	319.12
tblEnergyUse	T24NG	14.60	10.22
tblEnergyUse	T24NG	23,147.69	10,879.41
tblGrading	AcresOfGrading	100.00	119.00
tblLandUse	LandUseSquareFeet	9,030.00	9,025.00
tblLandUse	LotAcreage	1.15	10.10
tblLandUse	LotAcreage	142.21	91.50
tblProjectCharacteristics	CO2IntensityFactor	590.31	298.37
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	1.29	1.32
tblVehicleTrips	WD_TR	9.52	8.46

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2019	3.7423	41.2753	23.9444	0.0546	4.5359	1.8192	6.3550	0.7385	1.6929	2.4314	0.0000	5,500.7222	5,500.7222	1.1563	0.0000	5,529.6286
2021	4.2713	46.4409	31.4768	0.0636	18.2032	2.0454	20.2486	9.9670	1.8818	11.8488	0.0000	6,160.3393	6,160.3393	1.9469	0.0000	6,209.0112
2022	11.5199	27.6268	30.6628	0.0823	3.3947	0.9340	4.3287	0.9145	0.8836	1.7982	0.0000	8,221.3586	8,221.3586	0.8413	0.0000	8,242.3921
2023	11.2221	24.7164	29.4656	0.0808	3.3946	0.8002	4.1947	0.9145	0.7569	1.6714	0.0000	8,071.2037	8,071.2037	0.8141	0.0000	8,091.5572
2024	11.0213	23.4753	28.5774	0.0797	3.3945	0.7029	4.0974	0.9145	0.6646	1.5791	0.0000	7,955.4576	7,955.4576	0.8022	0.0000	7,975.5128
2025	10.8304	22.2270	27.7655	0.0785	3.3945	0.6068	4.0013	0.9145	0.5737	1.4882	0.0000	7,841.5173	7,841.5173	0.7918	0.0000	7,861.3114
2026	10.7620	22.0408	27.1386	0.0775	3.3944	0.6058	4.0002	0.9145	0.5727	1.4872	0.0000	7,738.5048	7,738.5048	0.7860	0.0000	7,758.1556
2027	10.6961	21.8705	26.5759	0.0765	3.3944	0.6045	3.9989	0.9144	0.5715	1.4859	0.0000	7,645.7574	7,645.7574	0.7808	0.0000	7,665.2764
Maximum	**11.5199**	**46.4409**	**31.4768**	**0.0823**	**18.2032**	**2.0454**	**20.2486**	**9.9670**	**1.8818**	**11.8488**	**0.0000**	**8,221.3586**	**8,221.3586**	**1.9469**	**0.0000**	**8,242.3921**

2.1 Overall Construction (Maximum Daily Emission)

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2019	3.7423	41.2753	23.9444	0.0546	4.5359	1.8192	6.3550	0.7385	1.6929	2.4314	0.0000	5,500.7222	5,500.7222	1.1563	0.0000	5,529.6286
2021	4.2713	46.4409	31.4768	0.0636	18.2032	2.0454	20.2486	9.9670	1.8818	11.8488	0.0000	6,160.3392	6,160.3392	1.9469	0.0000	6,209.0112
2022	11.5199	27.6268	30.6628	0.0823	3.3947	0.9340	4.3287	0.9145	0.8836	1.7982	0.0000	8,221.3586	8,221.3586	0.8413	0.0000	8,242.3921
2023	11.2221	24.7164	29.4656	0.0808	3.3946	0.8002	4.1947	0.9145	0.7569	1.6714	0.0000	8,071.2037	8,071.2037	0.8141	0.0000	8,091.5572
2024	11.0213	23.4753	28.5774	0.0797	3.3945	0.7029	4.0974	0.9145	0.6646	1.5791	0.0000	7,955.4576	7,955.4576	0.8022	0.0000	7,975.5128
2025	10.8304	22.2270	27.7655	0.0785	3.3945	0.6068	4.0013	0.9145	0.5737	1.4882	0.0000	7,841.5173	7,841.5173	0.7918	0.0000	7,861.3114
2026	10.7620	22.0408	27.1386	0.0775	3.3944	0.6058	4.0002	0.9145	0.5727	1.4872	0.0000	7,738.5048	7,738.5048	0.7860	0.0000	7,758.1556
2027	10.6961	21.8705	26.5759	0.0765	3.3944	0.6045	3.9989	0.9144	0.5715	1.4859	0.0000	7,645.7574	7,645.7574	0.7808	0.0000	7,665.2764
Maximum	**11.5199**	**46.4409**	**31.4768**	**0.0823**	**18.2032**	**2.0454**	**20.2486**	**9.9670**	**1.8818**	**11.8488**	**0.0000**	**8,221.3586**	**8,221.3586**	**1.9469**	**0.0000**	**8,242.3921**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	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**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	21.8842	0.4164	36.1640	1.9100e-003		0.2005	0.2005		0.2005	0.2005	0.0000	65.2006	65.2006	0.0627	0.0000	66.7671
Energy	0.1917	1.6469	0.7616	0.0105		0.1324	0.1324		0.1324	0.1324		2,091.1685	2,091.1685	0.0401	0.0383	2,103.5953
Mobile	7.2715	24.3773	72.6093	0.2705	27.1290	0.1819	27.3109	7.2458	0.1691	7.4149		27,488.3201	27,488.3201	1.0526		27,514.6358
Total	**29.3473**	**26.4406**	**109.5349**	**0.2829**	**27.1290**	**0.5149**	**27.6439**	**7.2458**	**0.5021**	**7.7479**	**0.0000**	**29,644.6893**	**29,644.6893**	**1.1554**	**0.0383**	**29,684.9982**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	21.8842	0.4164	36.1640	1.9100e-003		0.2005	0.2005		0.2005	0.2005	0.0000	65.2006	65.2006	0.0627	0.0000	66.7671
Energy	0.1917	1.6469	0.7616	0.0105		0.1324	0.1324		0.1324	0.1324		2,091.1685	2,091.1685	0.0401	0.0383	2,103.5953
Mobile	7.1667	23.8600	69.5723	0.2579	25.7725	0.1742	25.9467	6.8835	0.1619	7.0454		26,204.9410	26,204.9410	1.0111		26,230.2176
Total	**29.2425**	**25.9233**	**106.4979**	**0.2702**	**25.7725**	**0.5071**	**26.2797**	**6.8835**	**0.4949**	**7.3784**	**0.0000**	**28,361.3102**	**28,361.3102**	**1.1138**	**0.0383**	**28,400.5800**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.36**	**1.96**	**2.77**	**4.47**	**5.00**	**1.51**	**4.93**	**5.00**	**1.44**	**4.77**	**0.00**	**4.33**	**4.33**	**3.60**	**0.00**	**4.33**

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	12/1/2019	12/13/2019	5	10	
2	Site Prep	Site Preparation	4/15/2021	5/12/2021	5	20	
3	Grading	Grading	5/13/2021	7/7/2021	5	40	
4	Building Construction	Building Construction	4/14/2022	4/7/2027	5	1300	
5	Paving	Paving	7/8/2021	4/13/2022	5	200	
6	Architectural Coating	Architectural Coating	4/28/2022	4/21/2027	5	1300	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 119

Acres of Paving: 0.21

Residential Indoor: 1,596,510; Residential Outdoor: 532,170; Non-Residential Indoor: 75,243; Non-Residential Outdoor: 25,081; Striped Parking Area: 542 (Architectural Coating – sqft)

OffRoad Equipment

Simmerhorn Ranch - Sacramento Metropolitan AQMD Air District, Summer

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 Prep	Rubber Tired Dozers	3	8.00	247	0.40
Site Prep	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	182.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Site Prep	7	18.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	303.00	104.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	61.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.1050	0.0000	4.1050	0.6216	0.0000	0.6216			0.0000			0.0000
Off-Road	3.5134	35.7830	22.0600	0.0388		1.7949	1.7949		1.6697	1.6697		3,816.8994	3,816.8994	1.0618		3,843.4451
Total	**3.5134**	**35.7830**	**22.0600**	**0.0388**	**4.1050**	**1.7949**	**5.8999**	**0.6216**	**1.6697**	**2.2912**		**3,816.8994**	**3,816.8994**	**1.0618**		**3,843.4451**

3.2 Demolition - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1586	5.4537	1.3428	0.0146	0.3167	0.0235	0.3402	0.0867	0.0225	0.1091		1,561.0266	1,561.0266	0.0906		1,563.2907
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0703	0.0386	0.5416	1.2300e-003	0.1141	8.1000e-004	0.1149	0.0303	7.5000e-004	0.0310		122.7963	122.7963	3.8600e-003		122.8929
Total	**0.2289**	**5.4923**	**1.8844**	**0.0158**	**0.4308**	**0.0243**	**0.4551**	**0.1170**	**0.0232**	**0.1402**		**1,683.8228**	**1,683.8228**	**0.0944**		**1,686.1835**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.1050	0.0000	4.1050	0.6216	0.0000	0.6216			0.0000			0.0000
Off-Road	3.5134	35.7830	22.0600	0.0388		1.7949	1.7949		1.6697	1.6697	0.0000	3,816.8994	3,816.8994	1.0618		3,843.4451
Total	**3.5134**	**35.7830**	**22.0600**	**0.0388**	**4.1050**	**1.7949**	**5.8999**	**0.6216**	**1.6697**	**2.2912**	**0.0000**	**3,816.8994**	**3,816.8994**	**1.0618**		**3,843.4451**

3.2 Demolition - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1586	5.4537	1.3428	0.0146	0.3167	0.0235	0.3402	0.0867	0.0225	0.1091		1,561.0266	1,561.0266	0.0906		1,563.2907
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0703	0.0386	0.5416	1.2300e-003	0.1141	8.1000e-004	0.1149	0.0303	7.5000e-004	0.0310		122.7963	122.7963	3.8600e-003		122.8929
Total	**0.2289**	**5.4923**	**1.8844**	**0.0158**	**0.4308**	**0.0243**	**0.4551**	**0.1170**	**0.0232**	**0.1402**		**1,683.8228**	**1,683.8228**	**0.0944**		**1,686.1835**

3.3 Site Prep - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	3.8882	40.4971	21.1543	0.0380		2.0445	2.0445		1.8809	1.8809		3,685.6569	3,685.6569	1.1920		3,715.4573
Total	**3.8882**	**40.4971**	**21.1543**	**0.0380**	**18.0663**	**2.0445**	**20.1107**	**9.9307**	**1.8809**	**11.8116**		**3,685.6569**	**3,685.6569**	**1.1920**		**3,715.4573**

3.3 Site Prep - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0721	0.0369	0.5385	1.3900e-003	0.1369	9.2000e-004	0.1379	0.0363	8.5000e-004	0.0372		137.9662	137.9662	3.6700e-003		138.0580
Total	**0.0721**	**0.0369**	**0.5385**	**1.3900e-003**	**0.1369**	**9.2000e-004**	**0.1379**	**0.0363**	**8.5000e-004**	**0.0372**		**137.9662**	**137.9662**	**3.6700e-003**		**138.0580**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	3.8882	40.4971	21.1543	0.0380		2.0445	2.0445		1.8809	1.8809	0.0000	3,685.6569	3,685.6569	1.1920		3,715.4573
Total	**3.8882**	**40.4971**	**21.1543**	**0.0380**	**18.0663**	**2.0445**	**20.1107**	**9.9307**	**1.8809**	**11.8116**	**0.0000**	**3,685.6569**	**3,685.6569**	**1.1920**		**3,715.4573**

3.3 Site Prep - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0721	0.0369	0.5385	1.3900e-003	0.1369	9.2000e-004	0.1379	0.0363	8.5000e-004	0.0372		137.9662	137.9662	3.6700e-003		138.0580
Total	**0.0721**	**0.0369**	**0.5385**	**1.3900e-003**	**0.1369**	**9.2000e-004**	**0.1379**	**0.0363**	**8.5000e-004**	**0.0372**		**137.9662**	**137.9662**	**3.6700e-003**		**138.0580**

3.4 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					9.1771	0.0000	9.1771	3.6509	0.0000	3.6509			0.0000			0.0000
Off-Road	4.1912	46.3998	30.8785	0.0620		1.9853	1.9853		1.8265	1.8265		6,007.0434	6,007.0434	1.9428		6,055.6134
Total	**4.1912**	**46.3998**	**30.8785**	**0.0620**	**9.1771**	**1.9853**	**11.1624**	**3.6509**	**1.8265**	**5.4774**		**6,007.0434**	**6,007.0434**	**1.9428**		**6,055.6134**

3.4 Grading - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0802	0.0410	0.5983	1.5400e-003	0.1521	1.0300e-003	0.1532	0.0404	9.5000e-004	0.0413		153.2958	153.2958	4.0800e-003		153.3978
Total	**0.0802**	**0.0410**	**0.5983**	**1.5400e-003**	**0.1521**	**1.0300e-003**	**0.1532**	**0.0404**	**9.5000e-004**	**0.0413**		**153.2958**	**153.2958**	**4.0800e-003**		**153.3978**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					9.1771	0.0000	9.1771	3.6509	0.0000	3.6509			0.0000			0.0000
Off-Road	4.1912	46.3998	30.8785	0.0620		1.9853	1.9853		1.8265	1.8265	0.0000	6,007.0434	6,007.0434	1.9428		6,055.6134
Total	**4.1912**	**46.3998**	**30.8785**	**0.0620**	**9.1771**	**1.9853**	**11.1624**	**3.6509**	**1.8265**	**5.4774**	**0.0000**	**6,007.0434**	**6,007.0434**	**1.9428**		**6,055.6134**

3.4 Grading - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0802	0.0410	0.5983	1.5400e-003	0.1521	1.0300e-003	0.1532	0.0404	9.5000e-004	0.0413		153.2958	153.2958	4.0800e-003		153.3978
Total	**0.0802**	**0.0410**	**0.5983**	**1.5400e-003**	**0.1521**	**1.0300e-003**	**0.1532**	**0.0404**	**9.5000e-004**	**0.0413**		**153.2958**	**153.2958**	**4.0800e-003**		**153.3978**

3.5 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322
Total	**1.7062**	**15.6156**	**16.3634**	**0.0269**		**0.8090**	**0.8090**		**0.7612**	**0.7612**		**2,554.3336**	**2,554.3336**	**0.6120**		**2,569.6322**

3.5 Building Construction - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2982	9.9310	2.4576	0.0254	0.6257	0.0251	0.6508	0.1801	0.0240	0.2041		2,695.6489	2,695.6489	0.1443		2,699.2573
Worker	1.1335	0.5591	8.3476	0.0225	2.3049	0.0152	2.3201	0.6114	0.0140	0.6254		2,239.1434	2,239.1434	0.0556		2,240.5322
Total	**1.4317**	**10.4901**	**10.8052**	**0.0479**	**2.9306**	**0.0403**	**2.9709**	**0.7915**	**0.0380**	**0.8294**		**4,934.7924**	**4,934.7924**	**0.1999**		**4,939.7895**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322
Total	**1.7062**	**15.6156**	**16.3634**	**0.0269**		**0.8090**	**0.8090**		**0.7612**	**0.7612**	**0.0000**	**2,554.3336**	**2,554.3336**	**0.6120**		**2,569.6322**

3.5 Building Construction - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2982	9.9310	2.4576	0.0254	0.6257	0.0251	0.6508	0.1801	0.0240	0.2041		2,695.6489	2,695.6489	0.1443		2,699.2573
Worker	1.1335	0.5591	8.3476	0.0225	2.3049	0.0152	2.3201	0.6114	0.0140	0.6254		2,239.1434	2,239.1434	0.0556		2,240.5322
Total	**1.4317**	**10.4901**	**10.8052**	**0.0479**	**2.9306**	**0.0403**	**2.9709**	**0.7915**	**0.0380**	**0.8294**		**4,934.7924**	**4,934.7924**	**0.1999**		**4,939.7895**

3.5 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061
Total	**1.5728**	**14.3849**	**16.2440**	**0.0269**		**0.6997**	**0.6997**		**0.6584**	**0.6584**		**2,555.2099**	**2,555.2099**	**0.6079**		**2,570.4061**

3.5 Building Construction - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2357	8.4239	2.1801	0.0249	0.6257	0.0118	0.6375	0.1800	0.0113	0.1913		2,645.7478	2,645.7478	0.1296		2,648.9888
Worker	1.0595	0.5033	7.6836	0.0216	2.3049	0.0148	2.3197	0.6114	0.0136	0.6250		2,154.9609	2,154.9609	0.0498		2,156.2058
Total	**1.2952**	**8.9272**	**9.8637**	**0.0466**	**2.9306**	**0.0266**	**2.9572**	**0.7914**	**0.0249**	**0.8164**		**4,800.7087**	**4,800.7087**	**0.1794**		**4,805.1945**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061
Total	**1.5728**	**14.3849**	**16.2440**	**0.0269**		**0.6997**	**0.6997**		**0.6584**	**0.6584**	**0.0000**	**2,555.2099**	**2,555.2099**	**0.6079**		**2,570.4061**

3.5 Building Construction - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2357	8.4239	2.1801	0.0249	0.6257	0.0118	0.6375	0.1800	0.0113	0.1913		2,645.7478	2,645.7478	0.1296		2,648.9888
Worker	1.0595	0.5033	7.6836	0.0216	2.3049	0.0148	2.3197	0.6114	0.0136	0.6250		2,154.9609	2,154.9609	0.0498		2,156.2058
Total	**1.2952**	**8.9272**	**9.8637**	**0.0466**	**2.9306**	**0.0266**	**2.9572**	**0.7914**	**0.0249**	**0.8164**		**4,800.7087**	**4,800.7087**	**0.1794**		**4,805.1945**

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	lb/day										lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077
Total	**1.4716**	**13.4438**	**16.1668**	**0.0270**		**0.6133**	**0.6133**		**0.5769**	**0.5769**		**2,555.6989**	**2,555.6989**	**0.6044**		**2,570.8077**

3.5 Building Construction - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2245	8.2661	2.0377	0.0248	0.6256	0.0113	0.6369	0.1800	0.0108	0.1908		2,630.2796	2,630.2796	0.1281		2,633.4807
Worker	0.9949	0.4550	7.1278	0.0208	2.3049	0.0145	2.3194	0.6114	0.0133	0.6247		2,071.0808	2,071.0808	0.0449		2,072.2038
Total	**1.2194**	**8.7211**	**9.1655**	**0.0456**	**2.9305**	**0.0257**	**2.9562**	**0.7914**	**0.0241**	**0.8155**		**4,701.3604**	**4,701.3604**	**0.1730**		**4,705.6846**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077
Total	**1.4716**	**13.4438**	**16.1668**	**0.0270**		**0.6133**	**0.6133**		**0.5769**	**0.5769**	**0.0000**	**2,555.6989**	**2,555.6989**	**0.6044**		**2,570.8077**

3.5 Building Construction - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2245	8.2661	2.0377	0.0248	0.6256	0.0113	0.6369	0.1800	0.0108	0.1908		2,630.2796	2,630.2796	0.1281		2,633.4807
Worker	0.9949	0.4550	7.1278	0.0208	2.3049	0.0145	2.3194	0.6114	0.0133	0.6247		2,071.0808	2,071.0808	0.0449		2,072.2038
Total	**1.2194**	**8.7211**	**9.1655**	**0.0456**	**2.9305**	**0.0257**	**2.9562**	**0.7914**	**0.0241**	**0.8155**		**4,701.3604**	**4,701.3604**	**0.1730**		**4,705.6846**

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	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**		**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

3.5 Building Construction - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2154	8.1153	1.9295	0.0246	0.6255	0.0107	0.6362	0.1800	0.0102	0.1902		2,615.3066	2,615.3066	0.1265		2,618.4702
Worker	0.9386	0.4133	6.6112	0.0200	2.3049	0.0142	2.3191	0.6114	0.0131	0.6245		1,988.0531	1,988.0531	0.0407		1,989.0713
Total	**1.1539**	**8.5286**	**8.5407**	**0.0446**	**2.9305**	**0.0249**	**2.9554**	**0.7914**	**0.0233**	**0.8147**		**4,603.3598**	**4,603.3598**	**0.1673**		**4,607.5414**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**	**0.0000**	**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

3.5 Building Construction - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2154	8.1153	1.9295	0.0246	0.6255	0.0107	0.6362	0.1800	0.0102	0.1902		2,615.3066	2,615.3066	0.1265		2,618.4702
Worker	0.9386	0.4133	6.6112	0.0200	2.3049	0.0142	2.3191	0.6114	0.0131	0.6245		1,988.0531	1,988.0531	0.0407		1,989.0713
Total	**1.1539**	**8.5286**	**8.5407**	**0.0446**	**2.9305**	**0.0249**	**2.9554**	**0.7914**	**0.0233**	**0.8147**		**4,603.3598**	**4,603.3598**	**0.1673**		**4,607.5414**

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	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**		**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

3.5 Building Construction - 2026

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2073	7.9719	1.8416	0.0245	0.6255	0.0101	0.6356	0.1800	9.6900e-003	0.1897		2,601.0692	2,601.0692	0.1252		2,604.1985
Worker	0.8885	0.3777	6.1625	0.0192	2.3049	0.0138	2.3187	0.6114	0.0127	0.6241		1,914.1553	1,914.1553	0.0371		1,915.0825
Total	**1.0957**	**8.3495**	**8.0041**	**0.0437**	**2.9304**	**0.0239**	**2.9543**	**0.7914**	**0.0224**	**0.8137**		**4,515.2244**	**4,515.2244**	**0.1623**		**4,519.2810**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**	**0.0000**	**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

3.5 Building Construction - 2026

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2073	7.9719	1.8416	0.0245	0.6255	0.0101	0.6356	0.1800	9.6900e-003	0.1897		2,601.0692	2,601.0692	0.1252		2,604.1985
Worker	0.8885	0.3777	6.1625	0.0192	2.3049	0.0138	2.3187	0.6114	0.0127	0.6241		1,914.1553	1,914.1553	0.0371		1,915.0825
Total	**1.0957**	**8.3495**	**8.0041**	**0.0437**	**2.9304**	**0.0239**	**2.9543**	**0.7914**	**0.0224**	**0.8137**		**4,515.2244**	**4,515.2244**	**0.1623**		**4,519.2810**

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	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**		**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

3.5 Building Construction - 2027

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2001	7.8401	1.7653	0.0243	0.6254	9.6700e-003	0.6351	0.1800	9.2400e-003	0.1892		2,587.6856	2,587.6856	0.1238		2,590.7817
Worker	0.8395	0.3457	5.7577	0.0185	2.3049	0.0131	2.3180	0.6114	0.0121	0.6235		1,848.0913	1,848.0913	0.0338		1,848.9366
Total	**1.0397**	**8.1858**	**7.5230**	**0.0429**	**2.9304**	**0.0228**	**2.9531**	**0.7914**	**0.0213**	**0.8126**		**4,435.7770**	**4,435.7770**	**0.1577**		**4,439.7183**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**	**0.0000**	**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

3.5 Building Construction - 2027

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2001	7.8401	1.7653	0.0243	0.6254	9.6700e-003	0.6351	0.1800	9.2400e-003	0.1892		2,587.6856	2,587.6856	0.1238		2,590.7817
Worker	0.8395	0.3457	5.7577	0.0185	2.3049	0.0131	2.3180	0.6114	0.0121	0.6235		1,848.0913	1,848.0913	0.0338		1,848.9366
Total	**1.0397**	**8.1858**	**7.5230**	**0.0429**	**2.9304**	**0.0228**	**2.9531**	**0.7914**	**0.0213**	**0.8126**		**4,435.7770**	**4,435.7770**	**0.1577**		**4,439.7183**

3.6 Paving - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235		2,207.2109	2,207.2109	0.7139		2,225.0573
Paving	2.7500e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.2583**	**12.9191**	**14.6532**	**0.0228**		**0.6777**	**0.6777**		**0.6235**	**0.6235**		**2,207.2109**	**2,207.2109**	**0.7139**		**2,225.0573**

3.6 Paving - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0601	0.0308	0.4487	1.1500e-003	0.1141	7.7000e-004	0.1149	0.0303	7.1000e-004	0.0310		114.9719	114.9719	3.0600e-003		115.0483
Total	**0.0601**	**0.0308**	**0.4487**	**1.1500e-003**	**0.1141**	**7.7000e-004**	**0.1149**	**0.0303**	**7.1000e-004**	**0.0310**		**114.9719**	**114.9719**	**3.0600e-003**		**115.0483**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235	0.0000	2,207.2109	2,207.2109	0.7139		2,225.0573
Paving	2.7500e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.2583**	**12.9191**	**14.6532**	**0.0228**		**0.6777**	**0.6777**		**0.6235**	**0.6235**	**0.0000**	**2,207.2109**	**2,207.2109**	**0.7139**		**2,225.0573**

3.6 Paving - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0601	0.0308	0.4487	1.1500e-003	0.1141	7.7000e-004	0.1149	0.0303	7.1000e-004	0.0310		114.9719	114.9719	3.0600e-003		115.0483
Total	**0.0601**	**0.0308**	**0.4487**	**1.1500e-003**	**0.1141**	**7.7000e-004**	**0.1149**	**0.0303**	**7.1000e-004**	**0.0310**		**114.9719**	**114.9719**	**3.0600e-003**		**115.0483**

3.6 Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225		2,207.6603	2,207.6603	0.7140		2,225.5104
Paving	2.7500e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.1056**	**11.1249**	**14.5805**	**0.0228**		**0.5679**	**0.5679**		**0.5225**	**0.5225**		**2,207.6603**	**2,207.6603**	**0.7140**		**2,225.5104**

3.6 Paving - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0561	0.0277	0.4133	1.1100e-003	0.1141	7.5000e-004	0.1149	0.0303	6.9000e-004	0.0310		110.8487	110.8487	2.7500e-003		110.9174
Total	**0.0561**	**0.0277**	**0.4133**	**1.1100e-003**	**0.1141**	**7.5000e-004**	**0.1149**	**0.0303**	**6.9000e-004**	**0.0310**		**110.8487**	**110.8487**	**2.7500e-003**		**110.9174**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225	0.0000	2,207.6603	2,207.6603	0.7140		2,225.5104
Paving	2.7500e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.1056**	**11.1249**	**14.5805**	**0.0228**		**0.5679**	**0.5679**		**0.5225**	**0.5225**	**0.0000**	**2,207.6603**	**2,207.6603**	**0.7140**		**2,225.5104**

3.6 Paving - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0561	0.0277	0.4133	1.1100e-003	0.1141	7.5000e-004	0.1149	0.0303	6.9000e-004	0.0310		110.8487	110.8487	2.7500e-003		110.9174
Total	**0.0561**	**0.0277**	**0.4133**	**1.1100e-003**	**0.1141**	**7.5000e-004**	**0.1149**	**0.0303**	**6.9000e-004**	**0.0310**		**110.8487**	**110.8487**	**2.7500e-003**		**110.9174**

3.7 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	7.9492					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
Total	**8.1537**	**1.4085**	**1.8136**	**2.9700e-003**		**0.0817**	**0.0817**		**0.0817**	**0.0817**		**281.4481**	**281.4481**	**0.0183**		**281.9062**

3.7 Architectural Coating - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2282	0.1126	1.6805	4.5300e-003	0.4640	3.0500e-003	0.4671	0.1231	2.8100e-003	0.1259		450.7847	450.7847	0.0112		451.0642
Total	**0.2282**	**0.1126**	**1.6805**	**4.5300e-003**	**0.4640**	**3.0500e-003**	**0.4671**	**0.1231**	**2.8100e-003**	**0.1259**		**450.7847**	**450.7847**	**0.0112**		**451.0642**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	7.9492					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062
Total	**8.1537**	**1.4085**	**1.8136**	**2.9700e-003**		**0.0817**	**0.0817**		**0.0817**	**0.0817**	**0.0000**	**281.4481**	**281.4481**	**0.0183**		**281.9062**

3.7 Architectural Coating - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2282	0.1126	1.6805	4.5300e-003	0.4640	3.0500e-003	0.4671	0.1231	2.8100e-003	0.1259		450.7847	450.7847	0.0112		451.0642
Total	**0.2282**	**0.1126**	**1.6805**	**4.5300e-003**	**0.4640**	**3.0500e-003**	**0.4671**	**0.1231**	**2.8100e-003**	**0.1259**		**450.7847**	**450.7847**	**0.0112**		**451.0642**

3.7 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	7.9492					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690
Total	**8.1409**	**1.3030**	**1.8111**	**2.9700e-003**		**0.0708**	**0.0708**		**0.0708**	**0.0708**		**281.4481**	**281.4481**	**0.0168**		**281.8690**

3.7 Architectural Coating - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2133	0.1013	1.5469	4.3600e-003	0.4640	2.9800e-003	0.4670	0.1231	2.7400e-003	0.1258		433.8370	433.8370	0.0100		434.0876
Total	**0.2133**	**0.1013**	**1.5469**	**4.3600e-003**	**0.4640**	**2.9800e-003**	**0.4670**	**0.1231**	**2.7400e-003**	**0.1258**		**433.8370**	**433.8370**	**0.0100**		**434.0876**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	7.9492					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690
Total	**8.1409**	**1.3030**	**1.8111**	**2.9700e-003**		**0.0708**	**0.0708**		**0.0708**	**0.0708**	**0.0000**	**281.4481**	**281.4481**	**0.0168**		**281.8690**

3.7 Architectural Coating - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2133	0.1013	1.5469	4.3600e-003	0.4640	2.9800e-003	0.4670	0.1231	2.7400e-003	0.1258		433.8370	433.8370	0.0100		434.0876
Total	**0.2133**	**0.1013**	**1.5469**	**4.3600e-003**	**0.4640**	**2.9800e-003**	**0.4670**	**0.1231**	**2.7400e-003**	**0.1258**		**433.8370**	**433.8370**	**0.0100**		**434.0876**

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	lb/day										lb/day					
Archit. Coating	7.9492					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443
Total	**8.1300**	**1.2188**	**1.8101**	**2.9700e-003**		**0.0609**	**0.0609**		**0.0609**	**0.0609**		**281.4481**	**281.4481**	**0.0159**		**281.8443**

3.7 Architectural Coating - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2003	0.0916	1.4350	4.1800e-003	0.4640	2.9100e-003	0.4669	0.1231	2.6800e-003	0.1258		416.9503	416.9503	9.0400e-003		417.1764
Total	**0.2003**	**0.0916**	**1.4350**	**4.1800e-003**	**0.4640**	**2.9100e-003**	**0.4669**	**0.1231**	**2.6800e-003**	**0.1258**		**416.9503**	**416.9503**	**9.0400e-003**		**417.1764**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	7.9492					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.8443
Total	**8.1300**	**1.2188**	**1.8101**	**2.9700e-003**		**0.0609**	**0.0609**		**0.0609**	**0.0609**	**0.0000**	**281.4481**	**281.4481**	**0.0159**		**281.8443**

3.7 Architectural Coating - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2003	0.0916	1.4350	4.1800e-003	0.4640	2.9100e-003	0.4669	0.1231	2.6800e-003	0.1258		416.9503	416.9503	9.0400e-003		417.1764
Total	**0.2003**	**0.0916**	**1.4350**	**4.1800e-003**	**0.4640**	**2.9100e-003**	**0.4669**	**0.1231**	**2.6800e-003**	**0.1258**		**416.9503**	**416.9503**	**9.0400e-003**		**417.1764**

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	lb/day										lb/day					
Archit. Coating	7.9492					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	**8.1201**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**		**281.4481**	**281.4481**	**0.0154**		**281.8319**

3.7 Architectural Coating - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1890	0.0832	1.3310	4.0200e-003	0.4640	2.8600e-003	0.4669	0.1231	2.6300e-003	0.1257		400.2351	400.2351	8.2000e-003		400.4401
Total	**0.1890**	**0.0832**	**1.3310**	**4.0200e-003**	**0.4640**	**2.8600e-003**	**0.4669**	**0.1231**	**2.6300e-003**	**0.1257**		**400.2351**	**400.2351**	**8.2000e-003**		**400.4401**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	7.9492					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319
Total	**8.1201**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**	**0.0000**	**281.4481**	**281.4481**	**0.0154**		**281.8319**

3.7 Architectural Coating - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1890	0.0832	1.3310	4.0200e-003	0.4640	2.8600e-003	0.4669	0.1231	2.6300e-003	0.1257		400.2351	400.2351	8.2000e-003		400.4401
Total	**0.1890**	**0.0832**	**1.3310**	**4.0200e-003**	**0.4640**	**2.8600e-003**	**0.4669**	**0.1231**	**2.6300e-003**	**0.1257**		**400.2351**	**400.2351**	**8.2000e-003**		**400.4401**

3.7 Architectural Coating - 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	lb/day										lb/day					
Archit. Coating	7.9492					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	**8.1201**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**		**281.4481**	**281.4481**	**0.0154**		**281.8319**

3.7 Architectural Coating - 2026

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1789	0.0760	1.2406	3.8700e-003	0.4640	2.7700e-003	0.4668	0.1231	2.5500e-003	0.1256		385.3580	385.3580	7.4700e-003		385.5447
Total	**0.1789**	**0.0760**	**1.2406**	**3.8700e-003**	**0.4640**	**2.7700e-003**	**0.4668**	**0.1231**	**2.5500e-003**	**0.1256**		**385.3580**	**385.3580**	**7.4700e-003**		**385.5447**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	7.9492					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319
Total	**8.1201**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**	**0.0000**	**281.4481**	**281.4481**	**0.0154**		**281.8319**

3.7 Architectural Coating - 2026

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1789	0.0760	1.2406	3.8700e-003	0.4640	2.7700e-003	0.4668	0.1231	2.5500e-003	0.1256		385.3580	385.3580	7.4700e-003		385.5447
Total	**0.1789**	**0.0760**	**1.2406**	**3.8700e-003**	**0.4640**	**2.7700e-003**	**0.4668**	**0.1231**	**2.5500e-003**	**0.1256**		**385.3580**	**385.3580**	**7.4700e-003**		**385.5447**

3.7 Architectural Coating - 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	lb/day										lb/day					
Archit. Coating	7.9492					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	**8.1201**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**		**281.4481**	**281.4481**	**0.0154**		**281.8319**

3.7 Architectural Coating - 2027

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1690	0.0696	1.1591	3.7300e-003	0.4640	2.6400e-003	0.4667	0.1231	2.4300e-003	0.1255		372.0580	372.0580	6.8100e-003		372.2282
Total	**0.1690**	**0.0696**	**1.1591**	**3.7300e-003**	**0.4640**	**2.6400e-003**	**0.4667**	**0.1231**	**2.4300e-003**	**0.1255**		**372.0580**	**372.0580**	**6.8100e-003**		**372.2282**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	7.9492					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319
Total	**8.1201**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**	**0.0000**	**281.4481**	**281.4481**	**0.0154**		**281.8319**

3.7 Architectural Coating - 2027

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1690	0.0696	1.1591	3.7300e-003	0.4640	2.6400e-003	0.4667	0.1231	2.4300e-003	0.1255		372.0580	372.0580	6.8100e-003		372.2282
Total	**0.1690**	**0.0696**	**1.1591**	**3.7300e-003**	**0.4640**	**2.6400e-003**	**0.4667**	**0.1231**	**2.4300e-003**	**0.1255**		**372.0580**	**372.0580**	**6.8100e-003**		**372.2282**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Improve Pedestrian Network

Provide Traffic Calming Measures

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	7.1667	23.8600	69.5723	0.2579	25.7725	0.1742	25.9467	6.8835	0.1619	7.0454		26,204.9410	26,204.9410	1.0111		26,230.2176
Unmitigated	7.2715	24.3773	72.6093	0.2705	27.1290	0.1819	27.3109	7.2458	0.1691	7.4149		27,488.3201	27,488.3201	1.0526		27,514.6358

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
Elementary School	793.98	0.00	0.00	1,192,587	1,132,957
Other Asphalt Surfaces	0.00	0.00	0.00		
Single Family Housing	3,707.01	4,340.58	3775.56	9,769,985	9,281,486
Total	4,500.99	4,340.58	3,775.56	10,962,572	10,414,443

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	10.00	5.00	6.50	33.00	48.00	19.00	66	28	6
Elementary School	10.00	5.00	6.50	65.00	30.00	5.00	63	25	12
Other Asphalt Surfaces	10.00	5.00	6.50	0.00	0.00	0.00	0	0	0
Single Family Housing	10.00	5.00	6.50	46.50	12.50	41.00	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.574521	0.035271	0.210873	0.107638	0.013399	0.004562	0.018333	0.025065	0.001898	0.001611	0.005555	0.000614	0.000658
Elementary School	0.574521	0.035271	0.210873	0.107638	0.013399	0.004562	0.018333	0.025065	0.001898	0.001611	0.005555	0.000614	0.000658
Other Asphalt Surfaces	0.574521	0.035271	0.210873	0.107638	0.013399	0.004562	0.018333	0.025065	0.001898	0.001611	0.005555	0.000614	0.000658
Single Family Housing	0.574521	0.035271	0.210873	0.107638	0.013399	0.004562	0.018333	0.025065	0.001898	0.001611	0.005555	0.000614	0.000658

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.1917	1.6469	0.7616	0.0105		0.1324	0.1324		0.1324	0.1324		2,091.1685	2,091.1685	0.0401	0.0383	2,103.5953
NaturalGas Unmitigated	0.1917	1.6469	0.7616	0.0105		0.1324	0.1324		0.1324	0.1324		2,091.1685	2,091.1685	0.0401	0.0383	2,103.5953

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
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
Elementary School	1495.24	0.0161	0.1466	0.1231	8.8000e-004		0.0111	0.0111		0.0111	0.0111		175.9107	175.9107	3.3700e-003	3.2300e-003	176.9560
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	16279.7	0.1756	1.5003	0.6384	9.5800e-003		0.1213	0.1213		0.1213	0.1213		1,915.2579	1,915.2579	0.0367	0.0351	1,926.6393
Total		**0.1917**	**1.6469**	**0.7616**	**0.0105**		**0.1324**	**0.1324**		**0.1324**	**0.1324**		**2,091.1685**	**2,091.1685**	**0.0401**	**0.0383**	**2,103.5953**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
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
Elementary School	1.49524	0.0161	0.1466	0.1231	8.8000e-004		0.0111	0.0111		0.0111	0.0111		175.9107	175.9107	3.3700e-003	3.2300e-003	176.9560
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	16.2797	0.1756	1.5003	0.6384	9.5800e-003		0.1213	0.1213		0.1213	0.1213		1,915.2579	1,915.2579	0.0367	0.0351	1,926.6393
Total		**0.1917**	**1.6469**	**0.7616**	**0.0105**		**0.1324**	**0.1324**		**0.1324**	**0.1324**		**2,091.1685**	**2,091.1685**	**0.0401**	**0.0383**	**2,103.5953**

6.0 Area Detail

6.1 Mitigation Measures Area

No Hearths Installed

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	21.8842	0.4164	36.1640	1.9100e-003		0.2005	0.2005		0.2005	0.2005	0.0000	65.2006	65.2006	0.0627	0.0000	66.7671
Unmitigated	21.8842	0.4164	36.1640	1.9100e-003		0.2005	0.2005		0.2005	0.2005	0.0000	65.2006	65.2006	0.0627	0.0000	66.7671

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	2.8312					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	17.9632					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.0897	0.4164	36.1640	1.9100e-003		0.2005	0.2005		0.2005	0.2005		65.2006	65.2006	0.0627		66.7671
Total	**21.8842**	**0.4164**	**36.1640**	**1.9100e-003**		**0.2005**	**0.2005**		**0.2005**	**0.2005**	**0.0000**	**65.2006**	**65.2006**	**0.0627**	**0.0000**	**66.7671**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	2.8312					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	17.9632					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.0897	0.4164	36.1640	1.9100e-003		0.2005	0.2005		0.2005	0.2005		65.2006	65.2006	0.0627		66.7671
Total	**21.8842**	**0.4164**	**36.1640**	**1.9100e-003**		**0.2005**	**0.2005**		**0.2005**	**0.2005**	**0.0000**	**65.2006**	**65.2006**	**0.0627**	**0.0000**	**66.7671**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Simmerhorn Ranch

Sacramento Metropolitan AQMD Air District, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Elementary School	600.00	Student	10.10	50,162.02	0
Other Asphalt Surfaces	9.03	1000sqft	0.21	9,025.00	0
City Park	6.60	Acre	6.60	287,496.00	0
Single Family Housing	438.00	Dwelling Unit	91.50	788,400.00	1169

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	3.5	**Precipitation Freq (Days)**	58
Climate Zone	6			**Operational Year**	2028
Utility Company	Sacramento Municipal Utility District				
CO2 Intensity (lb/MWhr)	298.37	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Simmerhorn Ranch - Sacramento Metropolitan AQMD Air District, Winter

Project Characteristics - CO2 intensity factor updated to reflect SMUD's projected RPS standards.

Land Use - Lot acreages updated per the preliminary site plans from September 2019 and information provided by the project applicant.

Construction Phase - Total days updated per the tentative schedule provided by the project applicant on the submitted air quality questionnaire.

Demolition -

Grading - Total acres graded updated per applicant-provided information.

Vehicle Trips - Updated weekday trip rates updated per the GHD Traffic Impact Study prepared for the proposed project. City park trip generation rate is set to zero because the applicant intends that all park visitors will access the site by foot.

Woodstoves - Applicant indicated that the proposed residents would have a natural gas fireplace.

Energy Use - Title 24 electricity and natural gas energy intensities are adjusted to comply with the 2019 CBSC.

Mobile Land Use Mitigation -

Area Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	200.00	10.00
tblConstructionPhase	NumDays	120.00	20.00
tblConstructionPhase	NumDays	310.00	40.00
tblConstructionPhase	NumDays	220.00	200.00
tblConstructionPhase	NumDays	3,100.00	1,300.00
tblConstructionPhase	NumDays	220.00	1,300.00
tblConstructionPhase	PhaseEndDate	9/4/2020	12/13/2019
tblConstructionPhase	PhaseEndDate	2/19/2021	5/12/2021
tblConstructionPhase	PhaseEndDate	4/29/2022	7/7/2021
tblConstructionPhase	PhaseEndDate	1/19/2035	4/13/2022
tblConstructionPhase	PhaseEndDate	3/17/2034	4/7/2027
tblConstructionPhase	PhaseEndDate	11/23/2035	4/21/2027
tblConstructionPhase	PhaseStartDate	9/5/2020	4/15/2021
tblConstructionPhase	PhaseStartDate	2/20/2021	5/13/2021
tblConstructionPhase	PhaseStartDate	3/18/2034	7/8/2021

tblConstructionPhase	PhaseStartDate	4/30/2022	4/14/2022
tblConstructionPhase	PhaseStartDate	1/20/2035	4/28/2022
tblEnergyUse	T24E	2.05	1.44
tblEnergyUse	T24E	678.97	319.12
tblEnergyUse	T24NG	14.60	10.22
tblEnergyUse	T24NG	23,147.69	10,879.41
tblGrading	AcresOfGrading	100.00	119.00
tblLandUse	LandUseSquareFeet	9,030.00	9,025.00
tblLandUse	LotAcreage	1.15	10.10
tblLandUse	LotAcreage	142.21	91.50
tblProjectCharacteristics	CO2IntensityFactor	590.31	298.37
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	1.29	1.32
tblVehicleTrips	WD_TR	9.52	8.46

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2019	3.7424	41.5183	23.9662	0.0543	4.5359	1.8199	6.3558	0.7385	1.6936	2.4321	0.0000	5,462.3191	5,462.3191	1.1602	0.0000	5,491.3245
2021	4.2650	46.4505	31.3888	0.0634	18.2032	2.0454	20.2486	9.9670	1.8818	11.8488	0.0000	6,141.6763	6,141.6763	1.9464	0.0000	6,190.3360
2022	11.4323	27.9300	29.5471	0.0784	3.3947	0.9357	4.3303	0.9145	0.8852	1.7998	0.0000	7,824.2460	7,824.2460	0.8452	0.0000	7,845.3765
2023	11.1413	24.9424	28.3730	0.0770	3.3946	0.8012	4.1958	0.9145	0.7579	1.6724	0.0000	7,688.0054	7,688.0054	0.8171	0.0000	7,708.4323
2024	10.9486	23.6827	27.5416	0.0760	3.3945	0.7038	4.0983	0.9145	0.6655	1.5800	0.0000	7,585.3220	7,585.3220	0.8057	0.0000	7,605.4638
2025	10.7644	22.4186	26.7922	0.0750	3.3945	0.6076	4.0021	0.9145	0.5745	1.4890	0.0000	7,484.3388	7,484.3388	0.7957	0.0000	7,504.2301
2026	10.7028	22.2186	26.2196	0.0741	3.3944	0.6065	4.0009	0.9145	0.5734	1.4878	0.0000	7,392.8362	7,392.8362	0.7903	0.0000	7,412.5936
2027	10.6432	22.0359	25.7061	0.0732	3.3944	0.6051	3.9995	0.9144	0.5721	1.4865	0.0000	7,310.2753	7,310.2753	0.7854	0.0000	7,329.9092
Maximum	**11.4323**	**46.4505**	**31.3888**	**0.0784**	**18.2032**	**2.0454**	**20.2486**	**9.9670**	**1.8818**	**11.8488**	**0.0000**	**7,824.2460**	**7,824.2460**	**1.9464**	**0.0000**	**7,845.3765**

2.1 Overall Construction (Maximum Daily Emission)

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2019	3.7424	41.5183	23.9662	0.0543	4.5359	1.8199	6.3558	0.7385	1.6936	2.4321	0.0000	5,462.3190	5,462.3190	1.1602	0.0000	5,491.3245
2021	4.2650	46.4505	31.3888	0.0634	18.2032	2.0454	20.2486	9.9670	1.8818	11.8488	0.0000	6,141.6763	6,141.6763	1.9464	0.0000	6,190.3360
2022	11.4323	27.9300	29.5471	0.0784	3.3947	0.9357	4.3303	0.9145	0.8852	1.7998	0.0000	7,824.2460	7,824.2460	0.8452	0.0000	7,845.3765
2023	11.1413	24.9424	28.3730	0.0770	3.3946	0.8012	4.1958	0.9145	0.7579	1.6724	0.0000	7,688.0054	7,688.0054	0.8171	0.0000	7,708.4323
2024	10.9486	23.6827	27.5416	0.0760	3.3945	0.7038	4.0983	0.9145	0.6655	1.5800	0.0000	7,585.3220	7,585.3220	0.8057	0.0000	7,605.4638
2025	10.7644	22.4186	26.7922	0.0750	3.3945	0.6076	4.0021	0.9145	0.5745	1.4890	0.0000	7,484.3388	7,484.3388	0.7957	0.0000	7,504.2301
2026	10.7028	22.2186	26.2196	0.0741	3.3944	0.6065	4.0009	0.9145	0.5734	1.4878	0.0000	7,392.8362	7,392.8362	0.7903	0.0000	7,412.5936
2027	10.6432	22.0359	25.7061	0.0732	3.3944	0.6051	3.9995	0.9144	0.5721	1.4865	0.0000	7,310.2753	7,310.2753	0.7854	0.0000	7,329.9092
Maximum	**11.4323**	**46.4505**	**31.3888**	**0.0784**	**18.2032**	**2.0454**	**20.2486**	**9.9670**	**1.8818**	**11.8488**	**0.0000**	**7,824.2460**	**7,824.2460**	**1.9464**	**0.0000**	**7,845.3765**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	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**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	21.8842	0.4164	36.1640	1.9100e-003		0.2005	0.2005		0.2005	0.2005	0.0000	65.2006	65.2006	0.0627	0.0000	66.7671
Energy	0.1917	1.6469	0.7616	0.0105		0.1324	0.1324		0.1324	0.1324		2,091.1685	2,091.1685	0.0401	0.0383	2,103.5953
Mobile	5.2856	25.6649	66.2620	0.2449	27.1290	0.1833	27.3123	7.2458	0.1705	7.4163		24,923.4745	24,923.4745	1.0561		24,949.8771
Total	**27.3614**	**27.7282**	**103.1875**	**0.2573**	**27.1290**	**0.5163**	**27.6453**	**7.2458**	**0.5035**	**7.7492**	**0.0000**	**27,079.8437**	**27,079.8437**	**1.1588**	**0.0383**	**27,120.2395**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	21.8842	0.4164	36.1640	1.9100e-003		0.2005	0.2005		0.2005	0.2005	0.0000	65.2006	65.2006	0.0627	0.0000	66.7671
Energy	0.1917	1.6469	0.7616	0.0105		0.1324	0.1324		0.1324	0.1324		2,091.1685	2,091.1685	0.0401	0.0383	2,103.5953
Mobile	5.1840	25.0754	63.8204	0.2335	25.7725	0.1756	25.9481	6.8835	0.1633	7.0468		23,760.3124	23,760.3124	1.0167		23,785.7291
Total	**27.2599**	**27.1387**	**100.7460**	**0.2459**	**25.7725**	**0.5085**	**26.2811**	**6.8835**	**0.4963**	**7.3797**	**0.0000**	**25,916.6816**	**25,916.6816**	**1.1194**	**0.0383**	**25,956.0915**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.37**	**2.13**	**2.37**	**4.45**	**5.00**	**1.50**	**4.93**	**5.00**	**1.43**	**4.77**	**0.00**	**4.30**	**4.30**	**3.40**	**0.00**	**4.29**

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	12/1/2019	12/13/2019	5	10	
2	Site Prep	Site Preparation	4/15/2021	5/12/2021	5	20	
3	Grading	Grading	5/13/2021	7/7/2021	5	40	
4	Building Construction	Building Construction	4/14/2022	4/7/2027	5	1300	
5	Paving	Paving	7/8/2021	4/13/2022	5	200	
6	Architectural Coating	Architectural Coating	4/28/2022	4/21/2027	5	1300	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 119

Acres of Paving: 0.21

Residential Indoor: 1,596,510; Residential Outdoor: 532,170; Non-Residential Indoor: 75,243; Non-Residential Outdoor: 25,081; Striped Parking Area: 542 (Architectural Coating – sqft)

OffRoad Equipment

Simmerhorn Ranch - Sacramento Metropolitan AQMD Air District, Winter

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 Prep	Rubber Tired Dozers	3	8.00	247	0.40
Site Prep	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	182.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Site Prep	7	18.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	303.00	104.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	61.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.1050	0.0000	4.1050	0.6216	0.0000	0.6216			0.0000			0.0000
Off-Road	3.5134	35.7830	22.0600	0.0388		1.7949	1.7949		1.6697	1.6697		3,816.8994	3,816.8994	1.0618		3,843.4451
Total	**3.5134**	**35.7830**	**22.0600**	**0.0388**	**4.1050**	**1.7949**	**5.8999**	**0.6216**	**1.6697**	**2.2912**		**3,816.8994**	**3,816.8994**	**1.0618**		**3,843.4451**

3.2 Demolition - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1644	5.6876	1.4402	0.0144	0.3167	0.0242	0.3409	0.0867	0.0232	0.1098		1,537.5697	1,537.5697	0.0950		1,539.9438
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0647	0.0477	0.4660	1.0800e-003	0.1141	8.1000e-004	0.1149	0.0303	7.5000e-004	0.0310		107.8500	107.8500	3.4200e-003		107.9356
Total	**0.2291**	**5.7353**	**1.9062**	**0.0155**	**0.4308**	**0.0250**	**0.4558**	**0.1170**	**0.0239**	**0.1409**		**1,645.4197**	**1,645.4197**	**0.0984**		**1,647.8794**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.1050	0.0000	4.1050	0.6216	0.0000	0.6216			0.0000			0.0000
Off-Road	3.5134	35.7830	22.0600	0.0388		1.7949	1.7949		1.6697	1.6697	0.0000	3,816.8994	3,816.8994	1.0618		3,843.4451
Total	**3.5134**	**35.7830**	**22.0600**	**0.0388**	**4.1050**	**1.7949**	**5.8999**	**0.6216**	**1.6697**	**2.2912**	**0.0000**	**3,816.8994**	**3,816.8994**	**1.0618**		**3,843.4451**

3.2 Demolition - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1644	5.6876	1.4402	0.0144	0.3167	0.0242	0.3409	0.0867	0.0232	0.1098		1,537.5697	1,537.5697	0.0950		1,539.9438
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0647	0.0477	0.4660	1.0800e-003	0.1141	8.1000e-004	0.1149	0.0303	7.5000e-004	0.0310		107.8500	107.8500	3.4200e-003		107.9356
Total	**0.2291**	**5.7353**	**1.9062**	**0.0155**	**0.4308**	**0.0250**	**0.4558**	**0.1170**	**0.0239**	**0.1409**		**1,645.4197**	**1,645.4197**	**0.0984**		**1,647.8794**

3.3 Site Prep - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	3.8882	40.4971	21.1543	0.0380		2.0445	2.0445		1.8809	1.8809		3,685.6569	3,685.6569	1.1920		3,715.4573
Total	**3.8882**	**40.4971**	**21.1543**	**0.0380**	**18.0663**	**2.0445**	**20.1107**	**9.9307**	**1.8809**	**11.8116**		**3,685.6569**	**3,685.6569**	**1.1920**		**3,715.4573**

3.3 Site Prep - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0664	0.0456	0.4593	1.2200e-003	0.1369	9.2000e-004	0.1379	0.0363	8.5000e-004	0.0372		121.1696	121.1696	3.2300e-003		121.2503
Total	**0.0664**	**0.0456**	**0.4593**	**1.2200e-003**	**0.1369**	**9.2000e-004**	**0.1379**	**0.0363**	**8.5000e-004**	**0.0372**		**121.1696**	**121.1696**	**3.2300e-003**		**121.2503**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	3.8882	40.4971	21.1543	0.0380		2.0445	2.0445		1.8809	1.8809	0.0000	3,685.6569	3,685.6569	1.1920		3,715.4573
Total	**3.8882**	**40.4971**	**21.1543**	**0.0380**	**18.0663**	**2.0445**	**20.1107**	**9.9307**	**1.8809**	**11.8116**	**0.0000**	**3,685.6569**	**3,685.6569**	**1.1920**		**3,715.4573**

3.3 Site Prep - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0664	0.0456	0.4593	1.2200e-003	0.1369	9.2000e-004	0.1379	0.0363	8.5000e-004	0.0372		121.1696	121.1696	3.2300e-003		121.2503
Total	**0.0664**	**0.0456**	**0.4593**	**1.2200e-003**	**0.1369**	**9.2000e-004**	**0.1379**	**0.0363**	**8.5000e-004**	**0.0372**		**121.1696**	**121.1696**	**3.2300e-003**		**121.2503**

3.4 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					9.1771	0.0000	9.1771	3.6509	0.0000	3.6509			0.0000			0.0000
Off-Road	4.1912	46.3998	30.8785	0.0620		1.9853	1.9853		1.8265	1.8265		6,007.0434	6,007.0434	1.9428		6,055.6134
Total	**4.1912**	**46.3998**	**30.8785**	**0.0620**	**9.1771**	**1.9853**	**11.1624**	**3.6509**	**1.8265**	**5.4774**		**6,007.0434**	**6,007.0434**	**1.9428**		**6,055.6134**

3.4 Grading - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0738	0.0507	0.5103	1.3500e-003	0.1521	1.0300e-003	0.1532	0.0404	9.5000e-004	0.0413		134.6329	134.6329	3.5900e-003		134.7226
Total	**0.0738**	**0.0507**	**0.5103**	**1.3500e-003**	**0.1521**	**1.0300e-003**	**0.1532**	**0.0404**	**9.5000e-004**	**0.0413**		**134.6329**	**134.6329**	**3.5900e-003**		**134.7226**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					9.1771	0.0000	9.1771	3.6509	0.0000	3.6509			0.0000			0.0000
Off-Road	4.1912	46.3998	30.8785	0.0620		1.9853	1.9853		1.8265	1.8265	0.0000	6,007.0434	6,007.0434	1.9428		6,055.6134
Total	**4.1912**	**46.3998**	**30.8785**	**0.0620**	**9.1771**	**1.9853**	**11.1624**	**3.6509**	**1.8265**	**5.4774**	**0.0000**	**6,007.0434**	**6,007.0434**	**1.9428**		**6,055.6134**

3.4 Grading - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0738	0.0507	0.5103	1.3500e-003	0.1521	1.0300e-003	0.1532	0.0404	9.5000e-004	0.0413		134.6329	134.6329	3.5900e-003		134.7226
Total	**0.0738**	**0.0507**	**0.5103**	**1.3500e-003**	**0.1521**	**1.0300e-003**	**0.1532**	**0.0404**	**9.5000e-004**	**0.0413**		**134.6329**	**134.6329**	**3.5900e-003**		**134.7226**

3.5 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322
Total	**1.7062**	**15.6156**	**16.3634**	**0.0269**		**0.8090**	**0.8090**		**0.7612**	**0.7612**		**2,554.3336**	**2,554.3336**	**0.6120**		**2,569.6322**

3.5 Building Construction - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3160	10.0766	2.8530	0.0248	0.6257	0.0267	0.6525	0.1801	0.0256	0.2056		2,625.8803	2,625.8803	0.1564		2,629.7899
Worker	1.0458	0.6903	7.0898	0.0197	2.3049	0.0152	2.3201	0.6114	0.0140	0.6254		1,966.6566	1,966.6566	0.0488		1,967.8753
Total	**1.3618**	**10.7669**	**9.9428**	**0.0445**	**2.9306**	**0.0419**	**2.9725**	**0.7915**	**0.0395**	**0.8310**		**4,592.5368**	**4,592.5368**	**0.2051**		**4,597.6652**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322
Total	**1.7062**	**15.6156**	**16.3634**	**0.0269**		**0.8090**	**0.8090**		**0.7612**	**0.7612**	**0.0000**	**2,554.3336**	**2,554.3336**	**0.6120**		**2,569.6322**

3.5 Building Construction - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3160	10.0766	2.8530	0.0248	0.6257	0.0267	0.6525	0.1801	0.0256	0.2056		2,625.8803	2,625.8803	0.1564		2,629.7899
Worker	1.0458	0.6903	7.0898	0.0197	2.3049	0.0152	2.3201	0.6114	0.0140	0.6254		1,966.6566	1,966.6566	0.0488		1,967.8753
Total	**1.3618**	**10.7669**	**9.9428**	**0.0445**	**2.9306**	**0.0419**	**2.9725**	**0.7915**	**0.0395**	**0.8310**		**4,592.5368**	**4,592.5368**	**0.2051**		**4,597.6652**

3.5 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061
Total	**1.5728**	**14.3849**	**16.2440**	**0.0269**		**0.6997**	**0.6997**		**0.6584**	**0.6584**		**2,555.2099**	**2,555.2099**	**0.6079**		**2,570.4061**

3.5 Building Construction - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2504	8.5086	2.5143	0.0243	0.6257	0.0129	0.6385	0.1800	0.0123	0.1923		2,577.4500	2,577.4500	0.1400		2,580.9506
Worker	0.9800	0.6209	6.4959	0.0190	2.3049	0.0148	2.3197	0.6114	0.0136	0.6250		1,892.8322	1,892.8322	0.0436		1,893.9221
Total	**1.2304**	**9.1296**	**9.0101**	**0.0433**	**2.9306**	**0.0277**	**2.9582**	**0.7914**	**0.0259**	**0.8174**		**4,470.2822**	**4,470.2822**	**0.1836**		**4,474.8726**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061
Total	**1.5728**	**14.3849**	**16.2440**	**0.0269**		**0.6997**	**0.6997**		**0.6584**	**0.6584**	**0.0000**	**2,555.2099**	**2,555.2099**	**0.6079**		**2,570.4061**

3.5 Building Construction - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2504	8.5086	2.5143	0.0243	0.6257	0.0129	0.6385	0.1800	0.0123	0.1923		2,577.4500	2,577.4500	0.1400		2,580.9506
Worker	0.9800	0.6209	6.4959	0.0190	2.3049	0.0148	2.3197	0.6114	0.0136	0.6250		1,892.8322	1,892.8322	0.0436		1,893.9221
Total	**1.2304**	**9.1296**	**9.0101**	**0.0433**	**2.9306**	**0.0277**	**2.9582**	**0.7914**	**0.0259**	**0.8174**		**4,470.2822**	**4,470.2822**	**0.1836**		**4,474.8726**

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	lb/day										lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077
Total	**1.4716**	**13.4438**	**16.1668**	**0.0270**		**0.6133**	**0.6133**		**0.5769**	**0.5769**		**2,555.6989**	**2,555.6989**	**0.6044**		**2,570.8077**

3.5 Building Construction - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2385	8.3460	2.3497	0.0242	0.6256	0.0122	0.6378	0.1800	0.0117	0.1917		2,562.6360	2,562.6360	0.1383		2,566.0940
Worker	0.9228	0.5611	6.0059	0.0183	2.3049	0.0145	2.3194	0.6114	0.0133	0.6247		1,819.2812	1,819.2812	0.0393		1,820.2624
Total	**1.1613**	**8.9072**	**8.3556**	**0.0424**	**2.9305**	**0.0266**	**2.9572**	**0.7914**	**0.0250**	**0.8164**		**4,381.9172**	**4,381.9172**	**0.1776**		**4,386.3564**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077
Total	**1.4716**	**13.4438**	**16.1668**	**0.0270**		**0.6133**	**0.6133**		**0.5769**	**0.5769**	**0.0000**	**2,555.6989**	**2,555.6989**	**0.6044**		**2,570.8077**

3.5 Building Construction - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2385	8.3460	2.3497	0.0242	0.6256	0.0122	0.6378	0.1800	0.0117	0.1917		2,562.6360	2,562.6360	0.1383		2,566.0940
Worker	0.9228	0.5611	6.0059	0.0183	2.3049	0.0145	2.3194	0.6114	0.0133	0.6247		1,819.2812	1,819.2812	0.0393		1,820.2624
Total	**1.1613**	**8.9072**	**8.3556**	**0.0424**	**2.9305**	**0.0266**	**2.9572**	**0.7914**	**0.0250**	**0.8164**		**4,381.9172**	**4,381.9172**	**0.1776**		**4,386.3564**

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	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**		**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

3.5 Building Construction - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2286	8.1914	2.2237	0.0240	0.6255	0.0115	0.6371	0.1800	0.0110	0.1910		2,548.3439	2,548.3439	0.1367		2,551.7610
Worker	0.8727	0.5095	5.5562	0.0175	2.3049	0.0142	2.3191	0.6114	0.0131	0.6245		1,746.4724	1,746.4724	0.0355		1,747.3604
Total	**1.1013**	**8.7009**	**7.7799**	**0.0415**	**2.9305**	**0.0257**	**2.9562**	**0.7914**	**0.0241**	**0.8155**		**4,294.8163**	**4,294.8163**	**0.1722**		**4,299.1214**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**	**0.0000**	**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

3.5 Building Construction - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2286	8.1914	2.2237	0.0240	0.6255	0.0115	0.6371	0.1800	0.0110	0.1910		2,548.3439	2,548.3439	0.1367		2,551.7610
Worker	0.8727	0.5095	5.5562	0.0175	2.3049	0.0142	2.3191	0.6114	0.0131	0.6245		1,746.4724	1,746.4724	0.0355		1,747.3604
Total	**1.1013**	**8.7009**	**7.7799**	**0.0415**	**2.9305**	**0.0257**	**2.9562**	**0.7914**	**0.0241**	**0.8155**		**4,294.8163**	**4,294.8163**	**0.1722**		**4,299.1214**

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	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**		**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

3.5 Building Construction - 2026

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2198	8.0443	2.1209	0.0239	0.6255	0.0109	0.6364	0.1800	0.0104	0.1904		2,534.7823	2,534.7823	0.1352		2,538.1624
Worker	0.8287	0.4654	5.1650	0.0169	2.3049	0.0138	2.3187	0.6114	0.0127	0.6241		1,681.5929	1,681.5929	0.0323		1,682.4003
Total	**1.0486**	**8.5098**	**7.2859**	**0.0407**	**2.9304**	**0.0246**	**2.9550**	**0.7914**	**0.0231**	**0.8144**		**4,216.3753**	**4,216.3753**	**0.1675**		**4,220.5627**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**	**0.0000**	**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

3.5 Building Construction - 2026

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2198	8.0443	2.1209	0.0239	0.6255	0.0109	0.6364	0.1800	0.0104	0.1904		2,534.7823	2,534.7823	0.1352		2,538.1624
Worker	0.8287	0.4654	5.1650	0.0169	2.3049	0.0138	2.3187	0.6114	0.0127	0.6241		1,681.5929	1,681.5929	0.0323		1,682.4003
Total	**1.0486**	**8.5098**	**7.2859**	**0.0407**	**2.9304**	**0.0246**	**2.9550**	**0.7914**	**0.0231**	**0.8144**		**4,216.3753**	**4,216.3753**	**0.1675**		**4,220.5627**

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	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**		**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

3.5 Building Construction - 2027

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2122	7.9091	2.0315	0.0237	0.6254	0.0103	0.6358	0.1800	9.8600e-003	0.1898		2,522.0218	2,522.0218	0.1338		2,525.3657
Worker	0.7855	0.4258	4.8120	0.0163	2.3049	0.0131	2.3180	0.6114	0.0121	0.6235		1,623.4899	1,623.4899	0.0294		1,624.2245
Total	**0.9976**	**8.3350**	**6.8435**	**0.0400**	**2.9304**	**0.0234**	**2.9538**	**0.7914**	**0.0219**	**0.8133**		**4,145.5117**	**4,145.5117**	**0.1631**		**4,149.5902**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**	**0.0000**	**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

3.5 Building Construction - 2027

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2122	7.9091	2.0315	0.0237	0.6254	0.0103	0.6358	0.1800	9.8600e-003	0.1898		2,522.0218	2,522.0218	0.1338		2,525.3657
Worker	0.7855	0.4258	4.8120	0.0163	2.3049	0.0131	2.3180	0.6114	0.0121	0.6235		1,623.4899	1,623.4899	0.0294		1,624.2245
Total	**0.9976**	**8.3350**	**6.8435**	**0.0400**	**2.9304**	**0.0234**	**2.9538**	**0.7914**	**0.0219**	**0.8133**		**4,145.5117**	**4,145.5117**	**0.1631**		**4,149.5902**

3.6 Paving - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235		2,207.2109	2,207.2109	0.7139		2,225.0573
Paving	2.7500e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.2583**	**12.9191**	**14.6532**	**0.0228**		**0.6777**	**0.6777**		**0.6235**	**0.6235**		**2,207.2109**	**2,207.2109**	**0.7139**		**2,225.0573**

3.6 Paving - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0554	0.0380	0.3827	1.0100e-003	0.1141	7.7000e-004	0.1149	0.0303	7.1000e-004	0.0310		100.9746	100.9746	2.6900e-003		101.0419
Total	**0.0554**	**0.0380**	**0.3827**	**1.0100e-003**	**0.1141**	**7.7000e-004**	**0.1149**	**0.0303**	**7.1000e-004**	**0.0310**		**100.9746**	**100.9746**	**2.6900e-003**		**101.0419**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235	0.0000	2,207.2109	2,207.2109	0.7139		2,225.0573
Paving	2.7500e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.2583**	**12.9191**	**14.6532**	**0.0228**		**0.6777**	**0.6777**		**0.6235**	**0.6235**	**0.0000**	**2,207.2109**	**2,207.2109**	**0.7139**		**2,225.0573**

3.6 Paving - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0554	0.0380	0.3827	1.0100e-003	0.1141	7.7000e-004	0.1149	0.0303	7.1000e-004	0.0310		100.9746	100.9746	2.6900e-003		101.0419
Total	**0.0554**	**0.0380**	**0.3827**	**1.0100e-003**	**0.1141**	**7.7000e-004**	**0.1149**	**0.0303**	**7.1000e-004**	**0.0310**		**100.9746**	**100.9746**	**2.6900e-003**		**101.0419**

3.6 Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225		2,207.6603	2,207.6603	0.7140		2,225.5104
Paving	2.7500e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.1056**	**11.1249**	**14.5805**	**0.0228**		**0.5679**	**0.5679**		**0.5225**	**0.5225**		**2,207.6603**	**2,207.6603**	**0.7140**		**2,225.5104**

3.6 Paving - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0518	0.0342	0.3510	9.8000e-004	0.1141	7.5000e-004	0.1149	0.0303	6.9000e-004	0.0310		97.3592	97.3592	2.4100e-003		97.4196
Total	**0.0518**	**0.0342**	**0.3510**	**9.8000e-004**	**0.1141**	**7.5000e-004**	**0.1149**	**0.0303**	**6.9000e-004**	**0.0310**		**97.3592**	**97.3592**	**2.4100e-003**		**97.4196**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225	0.0000	2,207.6603	2,207.6603	0.7140		2,225.5104
Paving	2.7500e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.1056**	**11.1249**	**14.5805**	**0.0228**		**0.5679**	**0.5679**		**0.5225**	**0.5225**	**0.0000**	**2,207.6603**	**2,207.6603**	**0.7140**		**2,225.5104**

3.6 Paving - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0518	0.0342	0.3510	9.8000e-004	0.1141	7.5000e-004	0.1149	0.0303	6.9000e-004	0.0310		97.3592	97.3592	2.4100e-003		97.4196
Total	**0.0518**	**0.0342**	**0.3510**	**9.8000e-004**	**0.1141**	**7.5000e-004**	**0.1149**	**0.0303**	**6.9000e-004**	**0.0310**		**97.3592**	**97.3592**	**2.4100e-003**		**97.4196**

3.7 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	7.9492					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
Total	**8.1537**	**1.4085**	**1.8136**	**2.9700e-003**		**0.0817**	**0.0817**		**0.0817**	**0.0817**		**281.4481**	**281.4481**	**0.0183**		**281.9062**

3.7 Architectural Coating - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2106	0.1390	1.4273	3.9700e-003	0.4640	3.0500e-003	0.4671	0.1231	2.8100e-003	0.1259		395.9276	395.9276	9.8100e-003		396.1729
Total	**0.2106**	**0.1390**	**1.4273**	**3.9700e-003**	**0.4640**	**3.0500e-003**	**0.4671**	**0.1231**	**2.8100e-003**	**0.1259**		**395.9276**	**395.9276**	**9.8100e-003**		**396.1729**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	7.9492					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062
Total	**8.1537**	**1.4085**	**1.8136**	**2.9700e-003**		**0.0817**	**0.0817**		**0.0817**	**0.0817**	**0.0000**	**281.4481**	**281.4481**	**0.0183**		**281.9062**

3.7 Architectural Coating - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2106	0.1390	1.4273	3.9700e-003	0.4640	3.0500e-003	0.4671	0.1231	2.8100e-003	0.1259		395.9276	395.9276	9.8100e-003		396.1729
Total	**0.2106**	**0.1390**	**1.4273**	**3.9700e-003**	**0.4640**	**3.0500e-003**	**0.4671**	**0.1231**	**2.8100e-003**	**0.1259**		**395.9276**	**395.9276**	**9.8100e-003**		**396.1729**

3.7 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	7.9492					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690
Total	**8.1409**	**1.3030**	**1.8111**	**2.9700e-003**		**0.0708**	**0.0708**		**0.0708**	**0.0708**		**281.4481**	**281.4481**	**0.0168**		**281.8690**

3.7 Architectural Coating - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1973	0.1250	1.3078	3.8200e-003	0.4640	2.9800e-003	0.4670	0.1231	2.7400e-003	0.1258		381.0652	381.0652	8.7800e-003		381.2846
Total	**0.1973**	**0.1250**	**1.3078**	**3.8200e-003**	**0.4640**	**2.9800e-003**	**0.4670**	**0.1231**	**2.7400e-003**	**0.1258**		**381.0652**	**381.0652**	**8.7800e-003**		**381.2846**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	7.9492					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690
Total	**8.1409**	**1.3030**	**1.8111**	**2.9700e-003**		**0.0708**	**0.0708**		**0.0708**	**0.0708**	**0.0000**	**281.4481**	**281.4481**	**0.0168**		**281.8690**

3.7 Architectural Coating - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1973	0.1250	1.3078	3.8200e-003	0.4640	2.9800e-003	0.4670	0.1231	2.7400e-003	0.1258		381.0652	381.0652	8.7800e-003		381.2846
Total	**0.1973**	**0.1250**	**1.3078**	**3.8200e-003**	**0.4640**	**2.9800e-003**	**0.4670**	**0.1231**	**2.7400e-003**	**0.1258**		**381.0652**	**381.0652**	**8.7800e-003**		**381.2846**

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	lb/day										lb/day					
Archit. Coating	7.9492					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443
Total	**8.1300**	**1.2188**	**1.8101**	**2.9700e-003**		**0.0609**	**0.0609**		**0.0609**	**0.0609**		**281.4481**	**281.4481**	**0.0159**		**281.8443**

3.7 Architectural Coating - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1858	0.1130	1.2091	3.6800e-003	0.4640	2.9100e-003	0.4669	0.1231	2.6800e-003	0.1258		366.2579	366.2579	7.9000e-003		366.4555
Total	**0.1858**	**0.1130**	**1.2091**	**3.6800e-003**	**0.4640**	**2.9100e-003**	**0.4669**	**0.1231**	**2.6800e-003**	**0.1258**		**366.2579**	**366.2579**	**7.9000e-003**		**366.4555**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	7.9492					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.8443
Total	**8.1300**	**1.2188**	**1.8101**	**2.9700e-003**		**0.0609**	**0.0609**		**0.0609**	**0.0609**	**0.0000**	**281.4481**	**281.4481**	**0.0159**		**281.8443**

3.7 Architectural Coating - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1858	0.1130	1.2091	3.6800e-003	0.4640	2.9100e-003	0.4669	0.1231	2.6800e-003	0.1258		366.2579	366.2579	7.9000e-003		366.4555
Total	**0.1858**	**0.1130**	**1.2091**	**3.6800e-003**	**0.4640**	**2.9100e-003**	**0.4669**	**0.1231**	**2.6800e-003**	**0.1258**		**366.2579**	**366.2579**	**7.9000e-003**		**366.4555**

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	lb/day										lb/day					
Archit. Coating	7.9492					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	**8.1201**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**		**281.4481**	**281.4481**	**0.0154**		**281.8319**

3.7 Architectural Coating - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1757	0.1026	1.1186	3.5300e-003	0.4640	2.8600e-003	0.4669	0.1231	2.6300e-003	0.1257		351.6001	351.6001	7.1500e-003		351.7788
Total	**0.1757**	**0.1026**	**1.1186**	**3.5300e-003**	**0.4640**	**2.8600e-003**	**0.4669**	**0.1231**	**2.6300e-003**	**0.1257**		**351.6001**	**351.6001**	**7.1500e-003**		**351.7788**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	7.9492					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319
Total	**8.1201**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**	**0.0000**	**281.4481**	**281.4481**	**0.0154**		**281.8319**

3.7 Architectural Coating - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1757	0.1026	1.1186	3.5300e-003	0.4640	2.8600e-003	0.4669	0.1231	2.6300e-003	0.1257		351.6001	351.6001	7.1500e-003		351.7788
Total	**0.1757**	**0.1026**	**1.1186**	**3.5300e-003**	**0.4640**	**2.8600e-003**	**0.4669**	**0.1231**	**2.6300e-003**	**0.1257**		**351.6001**	**351.6001**	**7.1500e-003**		**351.7788**

3.7 Architectural Coating - 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	lb/day										lb/day					
Archit. Coating	7.9492					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	**8.1201**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**		**281.4481**	**281.4481**	**0.0154**		**281.8319**

3.7 Architectural Coating - 2026

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1668	0.0937	1.0398	3.4000e-003	0.4640	2.7700e-003	0.4668	0.1231	2.5500e-003	0.1256		338.5385	338.5385	6.5000e-003		338.7010
Total	**0.1668**	**0.0937**	**1.0398**	**3.4000e-003**	**0.4640**	**2.7700e-003**	**0.4668**	**0.1231**	**2.5500e-003**	**0.1256**		**338.5385**	**338.5385**	**6.5000e-003**		**338.7010**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	7.9492					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319
Total	**8.1201**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**	**0.0000**	**281.4481**	**281.4481**	**0.0154**		**281.8319**

3.7 Architectural Coating - 2026

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1668	0.0937	1.0398	3.4000e-003	0.4640	2.7700e-003	0.4668	0.1231	2.5500e-003	0.1256		338.5385	338.5385	6.5000e-003		338.7010
Total	**0.1668**	**0.0937**	**1.0398**	**3.4000e-003**	**0.4640**	**2.7700e-003**	**0.4668**	**0.1231**	**2.5500e-003**	**0.1256**		**338.5385**	**338.5385**	**6.5000e-003**		**338.7010**

3.7 Architectural Coating - 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	lb/day										lb/day					
Archit. Coating	7.9492					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	**8.1201**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**		**281.4481**	**281.4481**	**0.0154**		**281.8319**

3.7 Architectural Coating - 2027

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1581	0.0857	0.9688	3.2800e-003	0.4640	2.6400e-003	0.4667	0.1231	2.4300e-003	0.1255		326.8412	326.8412	5.9200e-003		326.9891
Total	**0.1581**	**0.0857**	**0.9688**	**3.2800e-003**	**0.4640**	**2.6400e-003**	**0.4667**	**0.1231**	**2.4300e-003**	**0.1255**		**326.8412**	**326.8412**	**5.9200e-003**		**326.9891**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	7.9492					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319
Total	**8.1201**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**	**0.0000**	**281.4481**	**281.4481**	**0.0154**		**281.8319**

3.7 Architectural Coating - 2027

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1581	0.0857	0.9688	3.2800e-003	0.4640	2.6400e-003	0.4667	0.1231	2.4300e-003	0.1255		326.8412	326.8412	5.9200e-003		326.9891
Total	**0.1581**	**0.0857**	**0.9688**	**3.2800e-003**	**0.4640**	**2.6400e-003**	**0.4667**	**0.1231**	**2.4300e-003**	**0.1255**		**326.8412**	**326.8412**	**5.9200e-003**		**326.9891**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Improve Pedestrian Network

Provide Traffic Calming Measures

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	5.1840	25.0754	63.8204	0.2335	25.7725	0.1756	25.9481	6.8835	0.1633	7.0468		23,760.3124	23,760.3124	1.0167		23,785.7291
Unmitigated	5.2856	25.6649	66.2620	0.2449	27.1290	0.1833	27.3123	7.2458	0.1705	7.4163		24,923.4745	24,923.4745	1.0561		24,949.8771

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
Elementary School	793.98	0.00	0.00	1,192,587	1,132,957
Other Asphalt Surfaces	0.00	0.00	0.00		
Single Family Housing	3,707.01	4,340.58	3775.56	9,769,985	9,281,486
Total	4,500.99	4,340.58	3,775.56	10,962,572	10,414,443

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	10.00	5.00	6.50	33.00	48.00	19.00	66	28	6
Elementary School	10.00	5.00	6.50	65.00	30.00	5.00	63	25	12
Other Asphalt Surfaces	10.00	5.00	6.50	0.00	0.00	0.00	0	0	0
Single Family Housing	10.00	5.00	6.50	46.50	12.50	41.00	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.574521	0.035271	0.210873	0.107638	0.013399	0.004562	0.018333	0.025065	0.001898	0.001611	0.005555	0.000614	0.000658
Elementary School	0.574521	0.035271	0.210873	0.107638	0.013399	0.004562	0.018333	0.025065	0.001898	0.001611	0.005555	0.000614	0.000658
Other Asphalt Surfaces	0.574521	0.035271	0.210873	0.107638	0.013399	0.004562	0.018333	0.025065	0.001898	0.001611	0.005555	0.000614	0.000658
Single Family Housing	0.574521	0.035271	0.210873	0.107638	0.013399	0.004562	0.018333	0.025065	0.001898	0.001611	0.005555	0.000614	0.000658

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.1917	1.6469	0.7616	0.0105		0.1324	0.1324		0.1324	0.1324		2,091.1685	2,091.1685	0.0401	0.0383	2,103.5953
NaturalGas Unmitigated	0.1917	1.6469	0.7616	0.0105		0.1324	0.1324		0.1324	0.1324		2,091.1685	2,091.1685	0.0401	0.0383	2,103.5953

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
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
Elementary School	1495.24	0.0161	0.1466	0.1231	8.8000e-004		0.0111	0.0111		0.0111	0.0111		175.9107	175.9107	3.3700e-003	3.2300e-003	176.9560
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	16279.7	0.1756	1.5003	0.6384	9.5800e-003		0.1213	0.1213		0.1213	0.1213		1,915.2579	1,915.2579	0.0367	0.0351	1,926.6393
Total		**0.1917**	**1.6469**	**0.7616**	**0.0105**		**0.1324**	**0.1324**		**0.1324**	**0.1324**		**2,091.1685**	**2,091.1685**	**0.0401**	**0.0383**	**2,103.5953**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
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
Elementary School	1.49524	0.0161	0.1466	0.1231	8.8000e-004		0.0111	0.0111		0.0111	0.0111		175.9107	175.9107	3.3700e-003	3.2300e-003	176.9560
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	16.2797	0.1756	1.5003	0.6384	9.5800e-003		0.1213	0.1213		0.1213	0.1213		1,915.2579	1,915.2579	0.0367	0.0351	1,926.6393
Total		**0.1917**	**1.6469**	**0.7616**	**0.0105**		**0.1324**	**0.1324**		**0.1324**	**0.1324**		**2,091.1685**	**2,091.1685**	**0.0401**	**0.0383**	**2,103.5953**

6.0 Area Detail

6.1 Mitigation Measures Area

No Hearths Installed

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	21.8842	0.4164	36.1640	1.9100e-003		0.2005	0.2005		0.2005	0.2005	0.0000	65.2006	65.2006	0.0627	0.0000	66.7671
Unmitigated	21.8842	0.4164	36.1640	1.9100e-003		0.2005	0.2005		0.2005	0.2005	0.0000	65.2006	65.2006	0.0627	0.0000	66.7671

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	2.8312					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	17.9632					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.0897	0.4164	36.1640	1.9100e-003		0.2005	0.2005		0.2005	0.2005		65.2006	65.2006	0.0627		66.7671
Total	**21.8842**	**0.4164**	**36.1640**	**1.9100e-003**		**0.2005**	**0.2005**		**0.2005**	**0.2005**	**0.0000**	**65.2006**	**65.2006**	**0.0627**	**0.0000**	**66.7671**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	2.8312					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	17.9632					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.0897	0.4164	36.1640	1.9100e-003		0.2005	0.2005		0.2005	0.2005		65.2006	65.2006	0.0627		66.7671
Total	**21.8842**	**0.4164**	**36.1640**	**1.9100e-003**		**0.2005**	**0.2005**		**0.2005**	**0.2005**	**0.0000**	**65.2006**	**65.2006**	**0.0627**	**0.0000**	**66.7671**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Simmerhorn Ranch

Sacramento Metropolitan AQMD Air District, Mitigation Report

Construction Mitigation Summary

Phase	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Architectural Coating	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Building Construction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Demolition	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Site Prep	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

OFFROAD Equipment Mitigation

Equipment Type	Fuel Type	Tier	Number Mitigated	Total Number of Equipment	DPF	Oxidation Catalyst
Air Compressors	Diesel	No Change	0	1	No Change	0.00
Concrete/Industrial Saws	Diesel	No Change	0	1	No Change	0.00
Cranes	Diesel	No Change	0	1	No Change	0.00
Excavators	Diesel	No Change	0	5	No Change	0.00
Forklifts	Diesel	No Change	0	3	No Change	0.00
Generator Sets	Diesel	No Change	0	1	No Change	0.00
Graders	Diesel	No Change	0	1	No Change	0.00
Pavers	Diesel	No Change	0	2	No Change	0.00
Paving Equipment	Diesel	No Change	0	2	No Change	0.00
Rollers	Diesel	No Change	0	2	No Change	0.00
Rubber Tired Dozers	Diesel	No Change	0	6	No Change	0.00
Scrapers	Diesel	No Change	0	2	No Change	0.00
Tractors/Loaders/Backhoes	Diesel	No Change	0	9	No Change	0.00
Welders	Diesel	No Change	0	1	No Change	0.00

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	Unmitigated tons/yr						Unmitigated mt/yr					
Air Compressors	1.18040E-001	7.97930E-001	1.17672E+000	1.93000E-003	3.99000E-002	3.99000E-002	0.00000E+000	1.65961E+002	1.65961E+002	9.53000E-003	0.00000E+000	1.66200E+002
Concrete/Industrial Saws	2.31000E-003	1.79400E-002	1.85100E-002	3.00000E-005	1.15000E-003	1.15000E-003	0.00000E+000	2.68829E+000	2.68829E+000	1.90000E-004	0.00000E+000	2.69302E+000
Cranes	1.89390E-001	1.99713E+000	1.01589E+000	3.28000E-003	8.38700E-002	7.71600E-002	0.00000E+000	2.88330E+002	2.88330E+002	9.32500E-002	0.00000E+000	2.90662E+002
Excavators	1.30800E-002	1.26360E-001	1.79820E-001	2.80000E-004	6.12000E-003	5.63000E-003	0.00000E+000	2.51059E+001	2.51059E+001	8.07000E-003	0.00000E+000	2.53077E+001
Forklifts	1.85900E-001	1.74303E+000	2.22291E+000	2.98000E-003	1.01630E-001	9.35000E-002	0.00000E+000	2.61868E+002	2.61868E+002	8.46900E-002	0.00000E+000	2.63985E+002
Generator Sets	1.86680E-001	1.66801E+000	2.38207E+000	4.28000E-003	7.31000E-002	7.31000E-002	0.00000E+000	3.67385E+002	3.67385E+002	1.49100E-002	0.00000E+000	3.67758E+002
Graders	9.06000E-003	1.18490E-001	3.53400E-002	1.30000E-004	3.75000E-003	3.45000E-003	0.00000E+000	1.16425E+001	1.16425E+001	3.77000E-003	0.00000E+000	1.17367E+001
Pavers	4.63800E-002	4.82790E-001	5.79430E-001	9.40000E-004	2.32100E-002	2.13500E-002	0.00000E+000	8.25779E+001	8.25779E+001	2.67100E-002	0.00000E+000	8.32456E+001
Paving Equipment	3.74000E-002	3.73260E-001	5.08610E-001	8.10000E-004	1.83600E-002	1.68900E-002	0.00000E+000	7.15697E+001	7.15697E+001	2.31500E-002	0.00000E+000	7.21484E+001
Rollers	3.62000E-002	3.70370E-001	3.74620E-001	5.20000E-004	2.22000E-002	2.04200E-002	0.00000E+000	4.61021E+001	4.61021E+001	1.49100E-002	0.00000E+000	4.64749E+001
Rubber Tired Dozers	6.36600E-002	6.69310E-001	2.44730E-001	5.10000E-004	3.25100E-002	2.99100E-002	0.00000E+000	4.51977E+001	4.51977E+001	1.45600E-002	0.00000E+000	4.55618E+001
Scrapers	3.71800E-002	4.28110E-001	2.80190E-001	6.10000E-004	1.66600E-002	1.53200E-002	0.00000E+000	5.32667E+001	5.32667E+001	1.72300E-002	0.00000E+000	5.36974E+001
Tractors/Loaders/Backhoes	2.59040E-001	2.62061E+000	3.98982E+000	5.57000E-003	1.21750E-001	1.12010E-001	0.00000E+000	4.88965E+002	4.88965E+002	1.58140E-001	0.00000E+000	4.92918E+002
Welders	1.54800E-001	8.98910E-001	1.08270E+000	1.66000E-003	3.14400E-002	3.14400E-002	0.00000E+000	1.22343E+002	1.22343E+002	1.25800E-002	0.00000E+000	1.22658E+002

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	Mitigated tons/yr						Mitigated mt/yr					
Air Compressors	1.18040E-001	7.97930E-001	1.17672E+000	1.93000E-003	3.99000E-002	3.99000E-002	0.00000E+000	1.65961E+002	1.65961E+002	9.53000E-003	0.00000E+000	1.66199E+002
Concrete/Industrial Saws	2.31000E-003	1.79400E-002	1.85100E-002	3.00000E-005	1.15000E-003	1.15000E-003	0.00000E+000	2.68828E+000	2.68828E+000	1.90000E-004	0.00000E+000	2.69301E+000
Cranes	1.89390E-001	1.99713E+000	1.01589E+000	3.28000E-003	8.38700E-002	7.71600E-002	0.00000E+000	2.88330E+002	2.88330E+002	9.32500E-002	0.00000E+000	2.90661E+002
Excavators	1.30800E-002	1.26360E-001	1.79820E-001	2.80000E-004	6.12000E-003	5.63000E-003	0.00000E+000	2.51059E+001	2.51059E+001	8.07000E-003	0.00000E+000	2.53077E+001
Forklifts	1.85900E-001	1.74303E+000	2.22291E+000	2.98000E-003	1.01630E-001	9.35000E-002	0.00000E+000	2.61868E+002	2.61868E+002	8.46900E-002	0.00000E+000	2.63985E+002
Generator Sets	1.86680E-001	1.66800E+000	2.38207E+000	4.28000E-003	7.31000E-002	7.31000E-002	0.00000E+000	3.67384E+002	3.67384E+002	1.49100E-002	0.00000E+000	3.67757E+002
Graders	9.06000E-003	1.18490E-001	3.53400E-002	1.30000E-004	3.75000E-003	3.45000E-003	0.00000E+000	1.16425E+001	1.16425E+001	3.77000E-003	0.00000E+000	1.17366E+001
Pavers	4.63800E-002	4.82790E-001	5.79430E-001	9.40000E-004	2.32100E-002	2.13500E-002	0.00000E+000	8.25778E+001	8.25778E+001	2.67100E-002	0.00000E+000	8.32455E+001
Paving Equipment	3.74000E-002	3.73260E-001	5.08610E-001	8.10000E-004	1.83600E-002	1.68900E-002	0.00000E+000	7.15696E+001	7.15696E+001	2.31500E-002	0.00000E+000	7.21483E+001
Rollers	3.62000E-002	3.70370E-001	3.74620E-001	5.20000E-004	2.22000E-002	2.04200E-002	0.00000E+000	4.61021E+001	4.61021E+001	1.49100E-002	0.00000E+000	4.64748E+001
Rubber Tired Dozers	6.36600E-002	6.69310E-001	2.44730E-001	5.10000E-004	3.25100E-002	2.99100E-002	0.00000E+000	4.51976E+001	4.51976E+001	1.45600E-002	0.00000E+000	4.55617E+001
Scrapers	3.71800E-002	4.28110E-001	2.80190E-001	6.10000E-004	1.66600E-002	1.53200E-002	0.00000E+000	5.32666E+001	5.32666E+001	1.72300E-002	0.00000E+000	5.36973E+001
Tractors/Loaders/Backhoes	2.59040E-001	2.62061E+000	3.98982E+000	5.57000E-003	1.21750E-001	1.12010E-001	0.00000E+000	4.88964E+002	4.88964E+002	1.58140E-001	0.00000E+000	4.92918E+002
Welders	1.54800E-001	8.98910E-001	1.08270E+000	1.66000E-003	3.14400E-002	3.14400E-002	0.00000E+000	1.22343E+002	1.22343E+002	1.25800E-002	0.00000E+000	1.22658E+002

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Air Compressors	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.14484E-006	1.14484E-006	0.00000E+000	0.00000E+000	1.14320E-006
Concrete/Industrial Saws	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	3.71984E-006	3.71984E-006	0.00000E+000	0.00000E+000	3.71330E-006
Cranes	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.17920E-006	1.17920E-006	0.00000E+000	0.00000E+000	1.20415E-006
Excavators	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.19494E-006	1.19494E-006	0.00000E+000	0.00000E+000	1.18541E-006
Forklifts	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.22199E-006	1.22199E-006	0.00000E+000	0.00000E+000	1.17431E-006
Generator Sets	0.00000E+000	5.99517E-006	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.17043E-006	1.17043E-006	0.00000E+000	0.00000E+000	1.19644E-006
Graders	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	8.58921E-007	8.58921E-007	0.00000E+000	0.00000E+000	1.70406E-006
Pavers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.21098E-006	1.21098E-006	0.00000E+000	0.00000E+000	1.20126E-006
Paving Equipment	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.25752E-006	1.25752E-006	0.00000E+000	0.00000E+000	1.24743E-006
Rollers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.08455E-006	1.08455E-006	0.00000E+000	0.00000E+000	1.29102E-006
Rubber Tired Dozers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.10625E-006	1.10625E-006	0.00000E+000	0.00000E+000	1.09741E-006
Scrapers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.31414E-006	1.31414E-006	0.00000E+000	0.00000E+000	1.30360E-006
Tractors/Loaders/Backhoes	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.18618E-006	1.18618E-006	0.00000E+000	0.00000E+000	1.17667E-006
Welders	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.22606E-006	1.22606E-006	0.00000E+000	0.00000E+000	1.22291E-006

Fugitive Dust Mitigation

Yes/No	Mitigation Measure	Mitigation Input		Mitigation Input		Mitigation Input	
No	Soil Stabilizer for unpaved Roads	PM10 Reduction		PM2.5 Reduction			
No	Replace Ground Cover of Area Disturbed	PM10 Reduction		PM2.5 Reduction			
No	Water Exposed Area	PM10 Reduction		PM2.5 Reduction		Frequency (per day)	

No	Unpaved Road Mitigation	Moisture Content %		Vehicle Speed (mph)	0.00		
No	Clean Paved Road	% PM Reduction	0.00				

		Unmitigated		Mitigated		Percent Reduction	
Phase	Source	PM10	PM2.5	PM10	PM2.5	PM10	PM2.5
Architectural Coating	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Architectural Coating	Roads	0.29	0.08	0.29	0.08	0.00	0.00
Building Construction	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Building Construction	Roads	1.84	0.50	1.84	0.50	0.00	0.00
Demolition	Fugitive Dust	0.02	0.00	0.02	0.00	0.00	0.00
Demolition	Roads	0.00	0.00	0.00	0.00	0.00	0.00
Grading	Fugitive Dust	0.18	0.07	0.18	0.07	0.00	0.00
Grading	Roads	0.00	0.00	0.00	0.00	0.00	0.00
Paving	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Paving	Roads	0.01	0.00	0.01	0.00	0.00	0.00
Site Prep	Fugitive Dust	0.18	0.10	0.18	0.10	0.00	0.00
Site Prep	Roads	0.00	0.00	0.00	0.00	0.00	0.00

Operational Percent Reduction Summary

Category	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Architectural Coating	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Consumer Products	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Electricity	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hearth	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Landscaping	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mobile	1.78	2.23	3.90	4.67	4.26	4.28	0.00	4.66	4.66	3.84	0.00	4.66
Natural Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Water Indoor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Water Outdoor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Operational Mobile Mitigation

Project Setting: Low Density Suburban

Mitigation	Category	Measure	% Reduction	Input Value 1	Input Value 2	Input Value
No	Land Use	Increase Density	0.00	0.00	0.00	
No	Land Use	Increase Diversity	0.20	0.49		
No	Land Use	Improve Walkability Design	0.00	0.00		
No	Land Use	Improve Destination Accessibility	0.00	0.00		
No	Land Use	Increase Transit Accessibility	0.25	0.00		
No	Land Use	Integrate Below Market Rate Housing	0.00	0.00		
	Land Use	Land Use SubTotal	0.00			

Yes	Neighborhood Enhancements	Improve Pedestrian Network	2.00	Project Site and Connecting Off-Site		
Yes	Neighborhood Enhancements	Provide Traffic Calming Measures	0.25	25.00	25.00	
No	Neighborhood Enhancements	Implement NEV Network	0.00			
	Neighborhood Enhancements	Neighborhood Enhancements Subtotal	0.05			
No	Parking Policy Pricing	Limit Parking Supply	0.00	0.00		
No	Parking Policy Pricing	Unbundle Parking Costs	0.00	0.00		
No	Parking Policy Pricing	On-street Market Pricing	0.00	0.00		
	Parking Policy Pricing	Parking Policy Pricing Subtotal	0.00			
No	Transit Improvements	Provide BRT System	0.00	0.00		
No	Transit Improvements	Expand Transit Network	0.00	0.00		
No	Transit Improvements	Increase Transit Frequency	0.00		0.00	
	Transit Improvements	Transit Improvements Subtotal	0.00			
		Land Use and Site Enhancement Subtotal	0.05			
No	Commute	Implement Trip Reduction Program				
No	Commute	Transit Subsidy				
No	Commute	Implement Employee Parking "Cash Out"	3.00			
No	Commute	Workplace Parking Charge		0.00		
No	Commute	Encourage Telecommuting and Alternative Work Schedules	0.00			
No	Commute	Market Commute Trip Reduction Option	0.00			
No	Commute	Employee Vanpool/Shuttle	0.00		2.00	
No	Commute	Provide Ride Sharing Program	5.00			
	Commute	Commute Subtotal	0.00			

No	School Trip	Implement School Bus Program	0.00			
		Total VMT Reduction	0.05			

Area Mitigation

Measure Implemented	Mitigation Measure	Input Value
No	Only Natural Gas Hearth	
Yes	No Hearth	
No	Use Low VOC Cleaning Supplies	
No	Use Low VOC Paint (Residential Interior)	100.00
No	Use Low VOC Paint (Residential Exterior)	100.00
No	Use Low VOC Paint (Non-residential Interior)	100.00
No	Use Low VOC Paint (Non-residential Exterior)	100.00
No	Use Low VOC Paint (Parking)	100.00
No	% Electric Lawnmower	0.00
No	% Electric Leafblower	0.00
No	% Electric Chainsaw	0.00

Energy Mitigation Measures

Measure Implemented	Mitigation Measure	Input Value 1	Input Value 2
No	Exceed Title 24		
No	Install High Efficiency Lighting		
No	On-site Renewable		

Appliance Type	Land Use Subtype	% Improvement
ClothWasher		30.00
DishWasher		15.00
Fan		50.00
Refrigerator		15.00

Water Mitigation Measures

Measure Implemented	Mitigation Measure	Input Value 1	Input Value 2
No	Apply Water Conservation on Strategy		
No	Use Reclaimed Water		
No	Use Grey Water		
No	Install low-flow bathroom faucet	32.00	
No	Install low-flow Kitchen faucet	18.00	
No	Install low-flow Toilet	20.00	
No	Install low-flow Shower	20.00	
No	Turf Reduction		
No	Use Water Efficient Irrigation Systems	6.10	
No	Water Efficient Landscape		

Solid Waste Mitigation

Mitigation Measures	Input Value

Institute Recycling and Composting Services Percent Reduction in Waste Disposed	