Fairway Oaks Annexation Project

Sacramento Metropolitan AQMD Air District, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Single Family Housing	169.00	Dwelling Unit	50.50	304,200.00	451

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	3.5	**Precipitation Freq (Days)**	58
Climate Zone	6			**Operational Year**	2026
Utility Company	Sacramento Municipal Utility District				
CO2 Intensity (lb/MWhr)	333.86	**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 per SMUD's RPS projections.

Land Use - Lot acreage updated based on information provided by the project applicant.

Construction Phase - Total days required for architectural coating adjusted to match total days for building construction.

Vehicle Trips - Trip generation rate updated based on the Traffic Impact Analysis that is being prepared for the proposed project.

Woodstoves - 169 natural gas hearths added per applicant-provided questionnaire.

Mobile Land Use Mitigation -

Area Mitigation -

Energy Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	75.00	1,100.00
tblFireplaces	NumberGas	0.00	169.00
tblFireplaces	NumberNoFireplace	169.00	0.00
tblLandUse	LotAcreage	54.87	50.50
tblProjectCharacteristics	CO2IntensityFactor	590.31	333.86
tblVehicleTrips	HO_TL	6.50	4.37
tblVehicleTrips	HS_TL	5.00	3.36
tblVehicleTrips	HW_TL	10.00	6.73
tblVehicleTrips	WD_TR	9.52	9.79

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2020	0.3345	3.6411	2.2585	4.3200e-003	0.8493	0.1651	1.0144	0.3993	0.1519	0.5512	0.0000	380.2266	380.2266	0.1201	0.0000	383.2294
2021	0.5874	2.4438	2.4927	4.5700e-003	0.0644	0.1245	0.1889	0.0174	0.1170	0.1344	0.0000	400.8043	400.8043	0.0812	0.0000	402.8336
2022	0.7359	2.4597	2.6427	5.0900e-003	0.0834	0.1169	0.2002	0.0225	0.1106	0.1331	0.0000	446.3748	446.3748	0.0788	0.0000	448.3445
2023	0.7134	2.2489	2.6021	5.0600e-003	0.0834	0.1009	0.1843	0.0225	0.0955	0.1180	0.0000	443.3124	443.3124	0.0777	0.0000	445.2541
2024	0.7023	2.1265	2.5933	5.0700e-003	0.0840	0.0890	0.1731	0.0227	0.0842	0.1069	0.0000	444.2997	444.2997	0.0776	0.0000	446.2391
2025	0.3611	1.0452	1.3515	2.6600e-003	0.0443	0.0403	0.0846	0.0119	0.0381	0.0501	0.0000	232.7793	232.7793	0.0405	0.0000	233.7929
Maximum	**0.7359**	**3.6411**	**2.6427**	**5.0900e-003**	**0.8493**	**0.1651**	**1.0144**	**0.3993**	**0.1519**	**0.5512**	**0.0000**	**446.3748**	**446.3748**	**0.1201**	**0.0000**	**448.3445**

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					
2020	0.3345	3.6411	2.2585	4.3200e-003	0.8493	0.1651	1.0144	0.3993	0.1519	0.5512	0.0000	380.2261	380.2261	0.1201	0.0000	383.2289
2021	0.5874	2.4438	2.4927	4.5700e-003	0.0644	0.1245	0.1889	0.0174	0.1170	0.1344	0.0000	400.8039	400.8039	0.0812	0.0000	402.8332
2022	0.7359	2.4597	2.6427	5.0900e-003	0.0834	0.1169	0.2002	0.0225	0.1106	0.1331	0.0000	446.3744	446.3744	0.0788	0.0000	448.3441
2023	0.7134	2.2489	2.6021	5.0600e-003	0.0834	0.1009	0.1843	0.0225	0.0955	0.1180	0.0000	443.3120	443.3120	0.0777	0.0000	445.2537
2024	0.7023	2.1265	2.5933	5.0700e-003	0.0840	0.0890	0.1731	0.0227	0.0842	0.1069	0.0000	444.2993	444.2993	0.0776	0.0000	446.2387
2025	0.3611	1.0452	1.3515	2.6600e-003	0.0443	0.0403	0.0846	0.0119	0.0381	0.0501	0.0000	232.7791	232.7791	0.0405	0.0000	233.7927
Maximum	**0.7359**	**3.6411**	**2.6427**	**5.0900e-003**	**0.8493**	**0.1651**	**1.0144**	**0.3993**	**0.1519**	**0.5512**	**0.0000**	**446.3744**	**446.3744**	**0.1201**	**0.0000**	**448.3441**

	ROG	NOx	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	**6-1-2020**	**8-31-2020**	1.6424	1.6424
2	**9-1-2020**	**11-30-2020**	1.7804	1.7804
3	**12-1-2020**	**2-28-2021**	0.8231	0.8231
4	**3-1-2021**	**5-31-2021**	0.6760	0.6760
5	**6-1-2021**	**8-31-2021**	0.8821	0.8821

6	**9-1-2021**	**11-30-2021**	0.8735	0.8735
7	**12-1-2021**	**2-28-2022**	0.8163	0.8163
8	**3-1-2022**	**5-31-2022**	0.8079	0.8079
9	**6-1-2022**	**8-31-2022**	0.8074	0.8074
10	**9-1-2022**	**11-30-2022**	0.7995	0.7995
11	**12-1-2022**	**2-28-2023**	0.7532	0.7532
12	**3-1-2023**	**5-31-2023**	0.7491	0.7491
13	**6-1-2023**	**8-31-2023**	0.7488	0.7488
14	**9-1-2023**	**11-30-2023**	0.7412	0.7412
15	**12-1-2023**	**2-29-2024**	0.7159	0.7159
16	**3-1-2024**	**5-31-2024**	0.7098	0.7098
17	**6-1-2024**	**8-31-2024**	0.7095	0.7095
18	**9-1-2024**	**11-30-2024**	0.7024	0.7024
19	**12-1-2024**	**2-28-2025**	0.6693	0.6693
20	**3-1-2025**	**5-31-2025**	0.6699	0.6699
21	**6-1-2025**	**8-31-2025**	0.2984	0.2984
		Highest	1.7804	1.7804

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	1.4307	0.0201	1.7412	9.0000e-005		9.6600e-003	9.6600e-003		9.6600e-003	9.6600e-003	0.0000	2.8469	2.8469	2.7300e-003	0.0000	2.9151
Energy	0.0235	0.2012	0.0856	1.2800e-003		0.0163	0.0163		0.0163	0.0163	0.0000	449.0892	449.0892	0.0232	8.1600e-003	452.1004
Mobile	0.3240	1.3319	3.1620	0.0109	1.0482	8.7600e-003	1.0569	0.2808	8.1500e-003	0.2890	0.0000	1,004.3784	1,004.3784	0.0452	0.0000	1,005.5079
Waste						0.0000	0.0000		0.0000	0.0000	32.9576	0.0000	32.9576	1.9477	0.0000	81.6511
Water						0.0000	0.0000		0.0000	0.0000	3.8957	11.9877	15.8834	0.0145	8.6900e-003	18.8335
Total	**1.7782**	**1.5532**	**4.9888**	**0.0123**	**1.0482**	**0.0347**	**1.0829**	**0.2808**	**0.0341**	**0.3149**	**36.8533**	**1,468.3021**	**1,505.1555**	**2.0333**	**0.0169**	**1,561.0078**

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	1.4307	0.0201	1.7412	9.0000e-005		9.6600e-003	9.6600e-003		9.6600e-003	9.6600e-003	0.0000	2.8469	2.8469	2.7300e-003	0.0000	2.9151
Energy	0.0221	0.1886	0.0802	1.2000e-003		0.0153	0.0153		0.0153	0.0153	0.0000	218.3767	218.3767	4.1900e-003	4.0000e-003	219.6744
Mobile	0.3223	1.3217	3.1176	0.0107	1.0272	8.6200e-003	1.0358	0.2752	8.0200e-003	0.2832	0.0000	986.1733	986.1733	0.0445	0.0000	987.2869
Waste						0.0000	0.0000		0.0000	0.0000	32.9576	0.0000	32.9576	1.9477	0.0000	81.6511
Water						0.0000	0.0000		0.0000	0.0000	3.8957	11.9877	15.8834	0.0145	8.6900e-003	18.8335
Total	**1.7750**	**1.5303**	**4.9390**	**0.0120**	**1.0272**	**0.0335**	**1.0607**	**0.2752**	**0.0329**	**0.3081**	**36.8533**	**1,219.3846**	**1,256.2379**	**2.0137**	**0.0127**	**1,310.3609**

	ROG	NOx	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	**0.18**	**1.47**	**1.00**	**2.28**	**2.00**	**3.34**	**2.04**	**2.00**	**3.37**	**2.15**	**0.00**	**16.95**	**16.54**	**0.97**	**24.69**	**16.06**

3.0 Construction Detail

Construction Phase

Fairway Oaks Annexation Project - Sacramento Metropolitan AQMD Air District, Annual

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	6/1/2020	7/24/2020	5	40	
2	Grading	Grading	7/25/2020	12/25/2020	5	110	
3	Paving	Paving	12/26/2020	4/9/2021	5	75	
4	Building Construction	Building Construction	4/10/2021	7/11/2025	5	1110	
5	Architectural Coating	Architectural Coating	4/24/2021	7/11/2025	5	1100	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 275

Acres of Paving: 0

Residential Indoor: 616,005; Residential Outdoor: 205,335; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Fairway Oaks Annexation Project - Sacramento Metropolitan AQMD Air District, Annual

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
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
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
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
Site Preparation	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
Paving	6	15.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	61.00	18.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	12.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Site Preparation - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.3613	0.0000	0.3613	0.1986	0.0000	0.1986	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0815	0.8484	0.4303	7.6000e-004		0.0440	0.0440		0.0404	0.0404	0.0000	66.8614	66.8614	0.0216	0.0000	67.4020
Total	**0.0815**	**0.8484**	**0.4303**	**7.6000e-004**	**0.3613**	**0.0440**	**0.4053**	**0.1986**	**0.0404**	**0.2390**	**0.0000**	**66.8614**	**66.8614**	**0.0216**	**0.0000**	**67.4020**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.3400e-003	9.1000e-004	9.9600e-003	3.0000e-005	2.6400e-003	2.0000e-005	2.6600e-003	7.0000e-004	2.0000e-005	7.2000e-004	0.0000	2.3427	2.3427	7.0000e-005	0.0000	2.3443
Total	**1.3400e-003**	**9.1000e-004**	**9.9600e-003**	**3.0000e-005**	**2.6400e-003**	**2.0000e-005**	**2.6600e-003**	**7.0000e-004**	**2.0000e-005**	**7.2000e-004**	**0.0000**	**2.3427**	**2.3427**	**7.0000e-005**	**0.0000**	**2.3443**

3.2 Site Preparation - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.3613	0.0000	0.3613	0.1986	0.0000	0.1986	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0815	0.8484	0.4303	7.6000e-004		0.0440	0.0440		0.0404	0.0404	0.0000	66.8613	66.8613	0.0216	0.0000	67.4019
Total	**0.0815**	**0.8484**	**0.4303**	**7.6000e-004**	**0.3613**	**0.0440**	**0.4053**	**0.1986**	**0.0404**	**0.2390**	**0.0000**	**66.8613**	**66.8613**	**0.0216**	**0.0000**	**67.4019**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.3400e-003	9.1000e-004	9.9600e-003	3.0000e-005	2.6400e-003	2.0000e-005	2.6600e-003	7.0000e-004	2.0000e-005	7.2000e-004	0.0000	2.3427	2.3427	7.0000e-005	0.0000	2.3443
Total	**1.3400e-003**	**9.1000e-004**	**9.9600e-003**	**3.0000e-005**	**2.6400e-003**	**2.0000e-005**	**2.6600e-003**	**7.0000e-004**	**2.0000e-005**	**7.2000e-004**	**0.0000**	**2.3427**	**2.3427**	**7.0000e-005**	**0.0000**	**2.3443**

3.3 Grading - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.4770	0.0000	0.4770	0.1978	0.0000	0.1978	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.2448	2.7609	1.7577	3.4100e-003		0.1196	0.1196		0.1100	0.1100	0.0000	299.6636	299.6636	0.0969	0.0000	302.0865
Total	**0.2448**	**2.7609**	**1.7577**	**3.4100e-003**	**0.4770**	**0.1196**	**0.5966**	**0.1978**	**0.1100**	**0.3078**	**0.0000**	**299.6636**	**299.6636**	**0.0969**	**0.0000**	**302.0865**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.0900e-003	2.7800e-003	0.0305	8.0000e-005	8.0800e-003	6.0000e-005	8.1400e-003	2.1500e-003	5.0000e-005	2.2000e-003	0.0000	7.1581	7.1581	2.0000e-004	0.0000	7.1632
Total	**4.0900e-003**	**2.7800e-003**	**0.0305**	**8.0000e-005**	**8.0800e-003**	**6.0000e-005**	**8.1400e-003**	**2.1500e-003**	**5.0000e-005**	**2.2000e-003**	**0.0000**	**7.1581**	**7.1581**	**2.0000e-004**	**0.0000**	**7.1632**

3.3 Grading - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.4770	0.0000	0.4770	0.1978	0.0000	0.1978	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.2448	2.7609	1.7577	3.4100e-003		0.1196	0.1196		0.1100	0.1100	0.0000	299.6633	299.6633	0.0969	0.0000	302.0862
Total	**0.2448**	**2.7609**	**1.7577**	**3.4100e-003**	**0.4770**	**0.1196**	**0.5966**	**0.1978**	**0.1100**	**0.3078**	**0.0000**	**299.6633**	**299.6633**	**0.0969**	**0.0000**	**302.0862**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.0900e-003	2.7800e-003	0.0305	8.0000e-005	8.0800e-003	6.0000e-005	8.1400e-003	2.1500e-003	5.0000e-005	2.2000e-003	0.0000	7.1581	7.1581	2.0000e-004	0.0000	7.1632
Total	**4.0900e-003**	**2.7800e-003**	**0.0305**	**8.0000e-005**	**8.0800e-003**	**6.0000e-005**	**8.1400e-003**	**2.1500e-003**	**5.0000e-005**	**2.2000e-003**	**0.0000**	**7.1581**	**7.1581**	**2.0000e-004**	**0.0000**	**7.1632**

3.4 Paving - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	2.7100e-003	0.0281	0.0293	5.0000e-005		1.5100e-003	1.5100e-003		1.3900e-003	1.3900e-003	0.0000	4.0056	4.0056	1.3000e-003	0.0000	4.0380
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**2.7100e-003**	**0.0281**	**0.0293**	**5.0000e-005**		**1.5100e-003**	**1.5100e-003**		**1.3900e-003**	**1.3900e-003**	**0.0000**	**4.0056**	**4.0056**	**1.3000e-003**	**0.0000**	**4.0380**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.1000e-004	8.0000e-005	8.3000e-004	0.0000	2.2000e-004	0.0000	2.2000e-004	6.0000e-005	0.0000	6.0000e-005	0.0000	0.1952	0.1952	1.0000e-005	0.0000	0.1954
Total	**1.1000e-004**	**8.0000e-005**	**8.3000e-004**	**0.0000**	**2.2000e-004**	**0.0000**	**2.2000e-004**	**6.0000e-005**	**0.0000**	**6.0000e-005**	**0.0000**	**0.1952**	**0.1952**	**1.0000e-005**	**0.0000**	**0.1954**

3.4 Paving - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	2.7100e-003	0.0281	0.0293	5.0000e-005		1.5100e-003	1.5100e-003		1.3900e-003	1.3900e-003	0.0000	4.0056	4.0056	1.3000e-003	0.0000	4.0380
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**2.7100e-003**	**0.0281**	**0.0293**	**5.0000e-005**		**1.5100e-003**	**1.5100e-003**		**1.3900e-003**	**1.3900e-003**	**0.0000**	**4.0056**	**4.0056**	**1.3000e-003**	**0.0000**	**4.0380**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.1000e-004	8.0000e-005	8.3000e-004	0.0000	2.2000e-004	0.0000	2.2000e-004	6.0000e-005	0.0000	6.0000e-005	0.0000	0.1952	0.1952	1.0000e-005	0.0000	0.1954
Total	**1.1000e-004**	**8.0000e-005**	**8.3000e-004**	**0.0000**	**2.2000e-004**	**0.0000**	**2.2000e-004**	**6.0000e-005**	**0.0000**	**6.0000e-005**	**0.0000**	**0.1952**	**0.1952**	**1.0000e-005**	**0.0000**	**0.1954**

3.4 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	0.0446	0.4586	0.5202	8.1000e-004		0.0241	0.0241		0.0221	0.0221	0.0000	71.0834	71.0834	0.0230	0.0000	71.6581
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0446**	**0.4586**	**0.5202**	**8.1000e-004**		**0.0241**	**0.0241**		**0.0221**	**0.0221**	**0.0000**	**71.0834**	**71.0834**	**0.0230**	**0.0000**	**71.6581**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.8400e-003	1.2000e-003	0.0135	4.0000e-005	3.9100e-003	3.0000e-005	3.9400e-003	1.0400e-003	3.0000e-005	1.0700e-003	0.0000	3.3472	3.3472	9.0000e-005	0.0000	3.3494
Total	**1.8400e-003**	**1.2000e-003**	**0.0135**	**4.0000e-005**	**3.9100e-003**	**3.0000e-005**	**3.9400e-003**	**1.0400e-003**	**3.0000e-005**	**1.0700e-003**	**0.0000**	**3.3472**	**3.3472**	**9.0000e-005**	**0.0000**	**3.3494**

3.4 Paving - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0446	0.4586	0.5202	8.1000e-004		0.0241	0.0241		0.0221	0.0221	0.0000	71.0833	71.0833	0.0230	0.0000	71.6580
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0446**	**0.4586**	**0.5202**	**8.1000e-004**		**0.0241**	**0.0241**		**0.0221**	**0.0221**	**0.0000**	**71.0833**	**71.0833**	**0.0230**	**0.0000**	**71.6580**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.8400e-003	1.2000e-003	0.0135	4.0000e-005	3.9100e-003	3.0000e-005	3.9400e-003	1.0400e-003	3.0000e-005	1.0700e-003	0.0000	3.3472	3.3472	9.0000e-005	0.0000	3.3494
Total	**1.8400e-003**	**1.2000e-003**	**0.0135**	**4.0000e-005**	**3.9100e-003**	**3.0000e-005**	**3.9400e-003**	**1.0400e-003**	**3.0000e-005**	**1.0700e-003**	**0.0000**	**3.3472**	**3.3472**	**9.0000e-005**	**0.0000**	**3.3494**

3.5 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1806	1.6561	1.5746	2.5600e-003		0.0911	0.0911		0.0856	0.0856	0.0000	220.0554	220.0554	0.0531	0.0000	221.3827
Total	**0.1806**	**1.6561**	**1.5746**	**2.5600e-003**		**0.0911**	**0.0911**		**0.0856**	**0.0856**	**0.0000**	**220.0554**	**220.0554**	**0.0531**	**0.0000**	**221.3827**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.3800e-003	0.1749	0.0468	4.2000e-004	0.0100	4.8000e-004	0.0105	2.8900e-003	4.6000e-004	3.3500e-003	0.0000	40.1242	40.1242	2.2900e-003	0.0000	40.1816
Worker	0.0201	0.0131	0.1467	4.0000e-004	0.0426	3.0000e-004	0.0429	0.0113	2.7000e-004	0.0116	0.0000	36.4262	36.4262	9.6000e-004	0.0000	36.4501
Total	**0.0255**	**0.1880**	**0.1934**	**8.2000e-004**	**0.0526**	**7.8000e-004**	**0.0533**	**0.0142**	**7.3000e-004**	**0.0149**	**0.0000**	**76.5504**	**76.5504**	**3.2500e-003**	**0.0000**	**76.6316**

3.5 Building Construction - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1806	1.6561	1.5746	2.5600e-003		0.0911	0.0911		0.0856	0.0856	0.0000	220.0552	220.0552	0.0531	0.0000	221.3824
Total	**0.1806**	**1.6561**	**1.5746**	**2.5600e-003**		**0.0911**	**0.0911**		**0.0856**	**0.0856**	**0.0000**	**220.0552**	**220.0552**	**0.0531**	**0.0000**	**221.3824**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.3800e-003	0.1749	0.0468	4.2000e-004	0.0100	4.8000e-004	0.0105	2.8900e-003	4.6000e-004	3.3500e-003	0.0000	40.1242	40.1242	2.2900e-003	0.0000	40.1816
Worker	0.0201	0.0131	0.1467	4.0000e-004	0.0426	3.0000e-004	0.0429	0.0113	2.7000e-004	0.0116	0.0000	36.4262	36.4262	9.6000e-004	0.0000	36.4501
Total	**0.0255**	**0.1880**	**0.1934**	**8.2000e-004**	**0.0526**	**7.8000e-004**	**0.0533**	**0.0142**	**7.3000e-004**	**0.0149**	**0.0000**	**76.5504**	**76.5504**	**3.2500e-003**	**0.0000**	**76.6316**

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	0.2218	2.0300	2.1272	3.5000e-003		0.1052	0.1052		0.0990	0.0990	0.0000	301.2428	301.2428	0.0722	0.0000	303.0471
Total	**0.2218**	**2.0300**	**2.1272**	**3.5000e-003**		**0.1052**	**0.1052**		**0.0990**	**0.0990**	**0.0000**	**301.2428**	**301.2428**	**0.0722**	**0.0000**	**303.0471**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.8300e-003	0.2273	0.0590	5.7000e-004	0.0137	5.8000e-004	0.0143	3.9500e-003	5.5000e-004	4.5100e-003	0.0000	54.4242	54.4242	3.0500e-003	0.0000	54.5004
Worker	0.0257	0.0161	0.1844	5.3000e-004	0.0582	4.0000e-004	0.0586	0.0155	3.7000e-004	0.0159	0.0000	48.0609	48.0609	1.1800e-003	0.0000	48.0903
Total	**0.0325**	**0.2434**	**0.2434**	**1.1000e-003**	**0.0719**	**9.8000e-004**	**0.0729**	**0.0194**	**9.2000e-004**	**0.0204**	**0.0000**	**102.4851**	**102.4851**	**4.2300e-003**	**0.0000**	**102.5907**

3.5 Building Construction - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2218	2.0300	2.1272	3.5000e-003		0.1052	0.1052		0.0990	0.0990	0.0000	301.2425	301.2425	0.0722	0.0000	303.0467
Total	**0.2218**	**2.0300**	**2.1272**	**3.5000e-003**		**0.1052**	**0.1052**		**0.0990**	**0.0990**	**0.0000**	**301.2425**	**301.2425**	**0.0722**	**0.0000**	**303.0467**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.8300e-003	0.2273	0.0590	5.7000e-004	0.0137	5.8000e-004	0.0143	3.9500e-003	5.5000e-004	4.5100e-003	0.0000	54.4242	54.4242	3.0500e-003	0.0000	54.5004
Worker	0.0257	0.0161	0.1844	5.3000e-004	0.0582	4.0000e-004	0.0586	0.0155	3.7000e-004	0.0159	0.0000	48.0609	48.0609	1.1800e-003	0.0000	48.0903
Total	**0.0325**	**0.2434**	**0.2434**	**1.1000e-003**	**0.0719**	**9.8000e-004**	**0.0729**	**0.0194**	**9.2000e-004**	**0.0204**	**0.0000**	**102.4851**	**102.4851**	**4.2300e-003**	**0.0000**	**102.5907**

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**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.4000e-003	0.1921	0.0522	5.6000e-004	0.0137	2.8000e-004	0.0140	3.9500e-003	2.6000e-004	4.2200e-003	0.0000	53.4183	53.4183	2.7400e-003	0.0000	53.4867
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	**0.0294**	**0.2066**	**0.2216**	**1.0700e-003**	**0.0719**	**6.7000e-004**	**0.0726**	**0.0194**	**6.2000e-004**	**0.0201**	**0.0000**	**99.6744**	**99.6744**	**3.7900e-003**	**0.0000**	**99.7691**

3.5 Building Construction - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2045	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**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.4000e-003	0.1921	0.0522	5.6000e-004	0.0137	2.8000e-004	0.0140	3.9500e-003	2.6000e-004	4.2200e-003	0.0000	53.4183	53.4183	2.7400e-003	0.0000	53.4867
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	**0.0294**	**0.2066**	**0.2216**	**1.0700e-003**	**0.0719**	**6.7000e-004**	**0.0726**	**0.0194**	**6.2000e-004**	**0.0201**	**0.0000**	**99.6744**	**99.6744**	**3.7900e-003**	**0.0000**	**99.7691**

3.5 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1928	1.7611	2.1179	3.5300e-003		0.0803	0.0803		0.0756	0.0756	0.0000	303.7223	303.7223	0.0718	0.0000	305.5179
Total	**0.1928**	**1.7611**	**2.1179**	**3.5300e-003**		**0.0803**	**0.0803**		**0.0756**	**0.0756**	**0.0000**	**303.7223**	**303.7223**	**0.0718**	**0.0000**	**305.5179**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.1900e-003	0.1899	0.0492	5.6000e-004	0.0138	2.6000e-004	0.0141	3.9800e-003	2.5000e-004	4.2300e-003	0.0000	53.5167	53.5167	2.7200e-003	0.0000	53.5848
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	**0.0280**	**0.2031**	**0.2072**	**1.0600e-003**	**0.0725**	**6.4000e-004**	**0.0731**	**0.0196**	**6.0000e-004**	**0.0202**	**0.0000**	**98.3167**	**98.3167**	**3.6800e-003**	**0.0000**	**98.4087**

3.5 Building Construction - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1928	1.7611	2.1179	3.5300e-003		0.0803	0.0803		0.0756	0.0756	0.0000	303.7220	303.7220	0.0718	0.0000	305.5175
Total	**0.1928**	**1.7611**	**2.1179**	**3.5300e-003**		**0.0803**	**0.0803**		**0.0756**	**0.0756**	**0.0000**	**303.7220**	**303.7220**	**0.0718**	**0.0000**	**305.5175**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.1900e-003	0.1899	0.0492	5.6000e-004	0.0138	2.6000e-004	0.0141	3.9800e-003	2.5000e-004	4.2300e-003	0.0000	53.5167	53.5167	2.7200e-003	0.0000	53.5848
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	**0.0280**	**0.2031**	**0.2072**	**1.0600e-003**	**0.0725**	**6.4000e-004**	**0.0731**	**0.0196**	**6.0000e-004**	**0.0202**	**0.0000**	**98.3167**	**98.3167**	**3.6800e-003**	**0.0000**	**98.4087**

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	0.0944	0.8604	1.1098	1.8600e-003		0.0364	0.0364		0.0342	0.0342	0.0000	160.0244	160.0244	0.0376	0.0000	160.9648
Total	**0.0944**	**0.8604**	**1.1098**	**1.8600e-003**		**0.0364**	**0.0364**		**0.0342**	**0.0342**	**0.0000**	**160.0244**	**160.0244**	**0.0376**	**0.0000**	**160.9648**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.6200e-003	0.0982	0.0245	2.9000e-004	7.2600e-003	1.3000e-004	7.3900e-003	2.1000e-003	1.3000e-004	2.2200e-003	0.0000	28.0291	28.0291	1.4200e-003	0.0000	28.0645
Worker	0.0113	6.3200e-003	0.0771	2.5000e-004	0.0309	2.0000e-004	0.0311	8.2200e-003	1.8000e-004	8.4000e-003	0.0000	22.6522	22.6522	4.6000e-004	0.0000	22.6636
Total	**0.0139**	**0.1045**	**0.1016**	**5.4000e-004**	**0.0382**	**3.3000e-004**	**0.0385**	**0.0103**	**3.1000e-004**	**0.0106**	**0.0000**	**50.6813**	**50.6813**	**1.8800e-003**	**0.0000**	**50.7281**

3.5 Building Construction - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0944	0.8604	1.1098	1.8600e-003		0.0364	0.0364		0.0342	0.0342	0.0000	160.0242	160.0242	0.0376	0.0000	160.9647
Total	**0.0944**	**0.8604**	**1.1098**	**1.8600e-003**		**0.0364**	**0.0364**		**0.0342**	**0.0342**	**0.0000**	**160.0242**	**160.0242**	**0.0376**	**0.0000**	**160.9647**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.6200e-003	0.0982	0.0245	2.9000e-004	7.2600e-003	1.3000e-004	7.3900e-003	2.1000e-003	1.3000e-004	2.2200e-003	0.0000	28.0291	28.0291	1.4200e-003	0.0000	28.0645
Worker	0.0113	6.3200e-003	0.0771	2.5000e-004	0.0309	2.0000e-004	0.0311	8.2200e-003	1.8000e-004	8.4000e-003	0.0000	22.6522	22.6522	4.6000e-004	0.0000	22.6636
Total	**0.0139**	**0.1045**	**0.1016**	**5.4000e-004**	**0.0382**	**3.3000e-004**	**0.0385**	**0.0103**	**3.1000e-004**	**0.0106**	**0.0000**	**50.6813**	**50.6813**	**1.8800e-003**	**0.0000**	**50.7281**

3.6 Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.3115					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0197	0.1374	0.1636	2.7000e-004		8.4700e-003	8.4700e-003		8.4700e-003	8.4700e-003	0.0000	22.9793	22.9793	1.5800e-003	0.0000	23.0187
Total	**0.3312**	**0.1374**	**0.1636**	**2.7000e-004**		**8.4700e-003**	**8.4700e-003**		**8.4700e-003**	**8.4700e-003**	**0.0000**	**22.9793**	**22.9793**	**1.5800e-003**	**0.0000**	**23.0187**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.7400e-003	2.4400e-003	0.0273	8.0000e-005	7.9300e-003	6.0000e-005	7.9900e-003	2.1100e-003	5.0000e-005	2.1600e-003	0.0000	6.7887	6.7887	1.8000e-004	0.0000	6.7931
Total	**3.7400e-003**	**2.4400e-003**	**0.0273**	**8.0000e-005**	**7.9300e-003**	**6.0000e-005**	**7.9900e-003**	**2.1100e-003**	**5.0000e-005**	**2.1600e-003**	**0.0000**	**6.7887**	**6.7887**	**1.8000e-004**	**0.0000**	**6.7931**

3.6 Architectural Coating - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.3115					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0197	0.1374	0.1636	2.7000e-004		8.4700e-003	8.4700e-003		8.4700e-003	8.4700e-003	0.0000	22.9793	22.9793	1.5800e-003	0.0000	23.0187
Total	**0.3312**	**0.1374**	**0.1636**	**2.7000e-004**		**8.4700e-003**	**8.4700e-003**		**8.4700e-003**	**8.4700e-003**	**0.0000**	**22.9793**	**22.9793**	**1.5800e-003**	**0.0000**	**23.0187**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.7400e-003	2.4400e-003	0.0273	8.0000e-005	7.9300e-003	6.0000e-005	7.9900e-003	2.1100e-003	5.0000e-005	2.1600e-003	0.0000	6.7887	6.7887	1.8000e-004	0.0000	6.7931
Total	**3.7400e-003**	**2.4400e-003**	**0.0273**	**8.0000e-005**	**7.9300e-003**	**6.0000e-005**	**7.9900e-003**	**2.1100e-003**	**5.0000e-005**	**2.1600e-003**	**0.0000**	**6.7887**	**6.7887**	**1.8000e-004**	**0.0000**	**6.7931**

3.6 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.4499					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0266	0.1831	0.2358	3.9000e-004		0.0106	0.0106		0.0106	0.0106	0.0000	33.1923	33.1923	2.1600e-003	0.0000	33.2463
Total	**0.4765**	**0.1831**	**0.2358**	**3.9000e-004**		**0.0106**	**0.0106**		**0.0106**	**0.0106**	**0.0000**	**33.1923**	**33.1923**	**2.1600e-003**	**0.0000**	**33.2463**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.0500e-003	3.1700e-003	0.0363	1.0000e-004	0.0115	8.0000e-005	0.0115	3.0500e-003	7.0000e-005	3.1200e-003	0.0000	9.4546	9.4546	2.3000e-004	0.0000	9.4604
Total	**5.0500e-003**	**3.1700e-003**	**0.0363**	**1.0000e-004**	**0.0115**	**8.0000e-005**	**0.0115**	**3.0500e-003**	**7.0000e-005**	**3.1200e-003**	**0.0000**	**9.4546**	**9.4546**	**2.3000e-004**	**0.0000**	**9.4604**

3.6 Architectural Coating - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.4499					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0266	0.1831	0.2358	3.9000e-004		0.0106	0.0106		0.0106	0.0106	0.0000	33.1923	33.1923	2.1600e-003	0.0000	33.2463
Total	**0.4765**	**0.1831**	**0.2358**	**3.9000e-004**		**0.0106**	**0.0106**		**0.0106**	**0.0106**	**0.0000**	**33.1923**	**33.1923**	**2.1600e-003**	**0.0000**	**33.2463**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.0500e-003	3.1700e-003	0.0363	1.0000e-004	0.0115	8.0000e-005	0.0115	3.0500e-003	7.0000e-005	3.1200e-003	0.0000	9.4546	9.4546	2.3000e-004	0.0000	9.4604
Total	**5.0500e-003**	**3.1700e-003**	**0.0363**	**1.0000e-004**	**0.0115**	**8.0000e-005**	**0.0115**	**3.0500e-003**	**7.0000e-005**	**3.1200e-003**	**0.0000**	**9.4546**	**9.4546**	**2.3000e-004**	**0.0000**	**9.4604**

3.6 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.4499					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	**0.4748**	**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**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.7300e-003	2.8600e-003	0.0333	1.0000e-004	0.0115	8.0000e-005	0.0115	3.0500e-003	7.0000e-005	3.1200e-003	0.0000	9.0996	9.0996	2.1000e-004	0.0000	9.1048
Total	**4.7300e-003**	**2.8600e-003**	**0.0333**	**1.0000e-004**	**0.0115**	**8.0000e-005**	**0.0115**	**3.0500e-003**	**7.0000e-005**	**3.1200e-003**	**0.0000**	**9.0996**	**9.0996**	**2.1000e-004**	**0.0000**	**9.1048**

3.6 Architectural Coating - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.4499					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	**0.4748**	**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**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.7300e-003	2.8600e-003	0.0333	1.0000e-004	0.0115	8.0000e-005	0.0115	3.0500e-003	7.0000e-005	3.1200e-003	0.0000	9.0996	9.0996	2.1000e-004	0.0000	9.1048
Total	**4.7300e-003**	**2.8600e-003**	**0.0333**	**1.0000e-004**	**0.0115**	**8.0000e-005**	**0.0115**	**3.0500e-003**	**7.0000e-005**	**3.1200e-003**	**0.0000**	**9.0996**	**9.0996**	**2.1000e-004**	**0.0000**	**9.1048**

3.6 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	0.4534					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	**0.4771**	**0.1597**	**0.2371**	**3.9000e-004**		**7.9800e-003**	**7.9800e-003**		**7.9800e-003**	**7.9800e-003**	**0.0000**	**33.4476**	**33.4476**	**1.8800e-003**	**0.0000**	**33.4947**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.4800e-003	2.6000e-003	0.0311	1.0000e-004	0.0116	8.0000e-005	0.0116	3.0700e-003	7.0000e-005	3.1400e-003	0.0000	8.8131	8.8131	1.9000e-004	0.0000	8.8178
Total	**4.4800e-003**	**2.6000e-003**	**0.0311**	**1.0000e-004**	**0.0116**	**8.0000e-005**	**0.0116**	**3.0700e-003**	**7.0000e-005**	**3.1400e-003**	**0.0000**	**8.8131**	**8.8131**	**1.9000e-004**	**0.0000**	**8.8178**

3.6 Architectural Coating - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.4534					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	**0.4771**	**0.1597**	**0.2371**	**3.9000e-004**		**7.9800e-003**	**7.9800e-003**		**7.9800e-003**	**7.9800e-003**	**0.0000**	**33.4476**	**33.4476**	**1.8800e-003**	**0.0000**	**33.4947**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.4800e-003	2.6000e-003	0.0311	1.0000e-004	0.0116	8.0000e-005	0.0116	3.0700e-003	7.0000e-005	3.1400e-003	0.0000	8.8131	8.8131	1.9000e-004	0.0000	8.8178
Total	**4.4800e-003**	**2.6000e-003**	**0.0311**	**1.0000e-004**	**0.0116**	**8.0000e-005**	**0.0116**	**3.0700e-003**	**7.0000e-005**	**3.1400e-003**	**0.0000**	**8.8131**	**8.8131**	**1.9000e-004**	**0.0000**	**8.8178**

3.6 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	0.2388					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0118	0.0790	0.1248	2.1000e-004		3.5500e-003	3.5500e-003		3.5500e-003	3.5500e-003	0.0000	17.6175	17.6175	9.6000e-004	0.0000	17.6415
Total	**0.2506**	**0.0790**	**0.1248**	**2.1000e-004**		**3.5500e-003**	**3.5500e-003**		**3.5500e-003**	**3.5500e-003**	**0.0000**	**17.6175**	**17.6175**	**9.6000e-004**	**0.0000**	**17.6415**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.2300e-003	1.2400e-003	0.0152	5.0000e-005	6.0800e-003	4.0000e-005	6.1200e-003	1.6200e-003	4.0000e-005	1.6500e-003	0.0000	4.4562	4.4562	9.0000e-005	0.0000	4.4584
Total	**2.2300e-003**	**1.2400e-003**	**0.0152**	**5.0000e-005**	**6.0800e-003**	**4.0000e-005**	**6.1200e-003**	**1.6200e-003**	**4.0000e-005**	**1.6500e-003**	**0.0000**	**4.4562**	**4.4562**	**9.0000e-005**	**0.0000**	**4.4584**

3.6 Architectural Coating - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.2388					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0118	0.0790	0.1248	2.1000e-004		3.5500e-003	3.5500e-003		3.5500e-003	3.5500e-003	0.0000	17.6174	17.6174	9.6000e-004	0.0000	17.6415
Total	**0.2506**	**0.0790**	**0.1248**	**2.1000e-004**		**3.5500e-003**	**3.5500e-003**		**3.5500e-003**	**3.5500e-003**	**0.0000**	**17.6174**	**17.6174**	**9.6000e-004**	**0.0000**	**17.6415**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.2300e-003	1.2400e-003	0.0152	5.0000e-005	6.0800e-003	4.0000e-005	6.1200e-003	1.6200e-003	4.0000e-005	1.6500e-003	0.0000	4.4562	4.4562	9.0000e-005	0.0000	4.4584
Total	**2.2300e-003**	**1.2400e-003**	**0.0152**	**5.0000e-005**	**6.0800e-003**	**4.0000e-005**	**6.1200e-003**	**1.6200e-003**	**4.0000e-005**	**1.6500e-003**	**0.0000**	**4.4562**	**4.4562**	**9.0000e-005**	**0.0000**	**4.4584**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Improve Pedestrian Network

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.3223	1.3217	3.1176	0.0107	1.0272	8.6200e-003	1.0358	0.2752	8.0200e-003	0.2832	0.0000	986.1733	986.1733	0.0445	0.0000	987.2869
Unmitigated	0.3240	1.3319	3.1620	0.0109	1.0482	8.7600e-003	1.0569	0.2808	8.1500e-003	0.2890	0.0000	1,004.3784	1,004.3784	0.0452	0.0000	1,005.5079

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Single Family Housing	1,654.51	1,674.79	1456.78	2,813,806	2,757,530
Total	1,654.51	1,674.79	1,456.78	2,813,806	2,757,530

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
Single Family Housing	6.73	3.36	4.37	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
Single Family Housing	0.570990	0.036039	0.209774	0.110012	0.014862	0.004732	0.018347	0.024592	0.001934	0.001739	0.005654	0.000617	0.000710

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

Percent of Electricity Use Generated with Renewable 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	0.0000	0.0000	0.0000	0.0000	0.0000
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	216.0995	216.0995	0.0188	3.8800e-003	217.7261
NaturalGas Mitigated	0.0221	0.1886	0.0802	1.2000e-003		0.0153	0.0153		0.0153	0.0153	0.0000	218.3767	218.3767	4.1900e-003	4.0000e-003	219.6744
NaturalGas Unmitigated	0.0235	0.2012	0.0856	1.2800e-003		0.0163	0.0163		0.0163	0.0163	0.0000	232.9897	232.9897	4.4700e-003	4.2700e-003	234.3743

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Single Family Housing	4.36606e+006	0.0235	0.2012	0.0856	1.2800e-003		0.0163	0.0163		0.0163	0.0163	0.0000	232.9897	232.9897	4.4700e-003	4.2700e-003	234.3743
Total		**0.0235**	**0.2012**	**0.0856**	**1.2800e-003**		**0.0163**	**0.0163**		**0.0163**	**0.0163**	**0.0000**	**232.9897**	**232.9897**	**4.4700e-003**	**4.2700e-003**	**234.3743**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Single Family Housing	4.09223e+006	0.0221	0.1886	0.0802	1.2000e-003		0.0153	0.0153		0.0153	0.0153	0.0000	218.3767	218.3767	4.1900e-003	4.0000e-003	219.6744
Total		**0.0221**	**0.1886**	**0.0802**	**1.2000e-003**		**0.0153**	**0.0153**		**0.0153**	**0.0153**	**0.0000**	**218.3767**	**218.3767**	**4.1900e-003**	**4.0000e-003**	**219.6744**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Single Family Housing	1.427e+006	216.0995	0.0188	3.8800e-003	217.7261
Total		**216.0995**	**0.0188**	**3.8800e-003**	**217.7261**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Single Family Housing	0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

6.0 Area Detail

6.1 Mitigation Measures Area

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	1.4307	0.0201	1.7412	9.0000e-005		9.6600e-003	9.6600e-003		9.6600e-003	9.6600e-003	0.0000	2.8469	2.8469	2.7300e-003	0.0000	2.9151
Unmitigated	1.4307	0.0201	1.7412	9.0000e-005		9.6600e-003	9.6600e-003		9.6600e-003	9.6600e-003	0.0000	2.8469	2.8469	2.7300e-003	0.0000	2.9151

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	0.1904					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.1881					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	0.0523	0.0201	1.7412	9.0000e-005		9.6600e-003	9.6600e-003		9.6600e-003	9.6600e-003	0.0000	2.8469	2.8469	2.7300e-003	0.0000	2.9151
Total	**1.4307**	**0.0201**	**1.7412**	**9.0000e-005**		**9.6600e-003**	**9.6600e-003**		**9.6600e-003**	**9.6600e-003**	**0.0000**	**2.8469**	**2.8469**	**2.7300e-003**	**0.0000**	**2.9151**

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	0.1904					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.1881					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	0.0523	0.0201	1.7412	9.0000e-005		9.6600e-003	9.6600e-003		9.6600e-003	9.6600e-003	0.0000	2.8469	2.8469	2.7300e-003	0.0000	2.9151
Total	**1.4307**	**0.0201**	**1.7412**	**9.0000e-005**		**9.6600e-003**	**9.6600e-003**		**9.6600e-003**	**9.6600e-003**	**0.0000**	**2.8469**	**2.8469**	**2.7300e-003**	**0.0000**	**2.9151**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	15.8834	0.0145	8.6900e-003	18.8335
Unmitigated	15.8834	0.0145	8.6900e-003	18.8335

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Single Family Housing	11.011 / 6.94174	15.8834	0.0145	8.6900e-003	18.8335
Total		**15.8834**	**0.0145**	**8.6900e-003**	**18.8335**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Single Family Housing	11.011 / 6.94174	15.8834	0.0145	8.6900e-003	18.8335
Total		**15.8834**	**0.0145**	**8.6900e-003**	**18.8335**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	32.9576	1.9477	0.0000	81.6511
Unmitigated	32.9576	1.9477	0.0000	81.6511

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Single Family Housing	162.36	32.9576	1.9477	0.0000	81.6511
Total		**32.9576**	**1.9477**	**0.0000**	**81.6511**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Single Family Housing	162.36	32.9576	1.9477	0.0000	81.6511
Total		**32.9576**	**1.9477**	**0.0000**	**81.6511**

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

Fairway Oaks Annexation Project

Sacramento Metropolitan AQMD Air District, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Single Family Housing	169.00	Dwelling Unit	50.50	304,200.00	451

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	3.5	**Precipitation Freq (Days)**	58
Climate Zone	6			**Operational Year**	2026
Utility Company	Sacramento Municipal Utility District				
CO2 Intensity (lb/MWhr)	333.86	**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 per SMUD's RPS projections.

Land Use - Lot acreage updated based on information provided by the project applicant.

Construction Phase - Total days required for architectural coating adjusted to match total days for building construction.

Vehicle Trips - Trip generation rate updated based on the Traffic Impact Analysis that is being prepared for the proposed project.

Woodstoves - 169 natural gas hearths added per applicant-provided questionnaire.

Mobile Land Use Mitigation -

Area Mitigation -

Energy Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	75.00	1,100.00
tblFireplaces	NumberGas	0.00	169.00
tblFireplaces	NumberNoFireplace	169.00	0.00
tblLandUse	LotAcreage	54.87	50.50
tblProjectCharacteristics	CO2IntensityFactor	590.31	333.86
tblVehicleTrips	HO_TL	6.50	4.37
tblVehicleTrips	HS_TL	5.00	3.36
tblVehicleTrips	HW_TL	10.00	6.73
tblVehicleTrips	WD_TR	9.52	9.79

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					
2020	4.5363	50.2433	32.6113	0.0636	18.2032	2.1984	20.4016	9.9670	2.0225	11.9895	0.0000	6,164.5679	6,164.5679	1.9470	0.0000	6,213.2420
2021	5.9289	20.9166	21.0382	0.0400	0.6636	1.0614	1.7251	0.1785	1.0036	1.1820	0.0000	3,865.0019	3,865.0019	0.7169	0.0000	3,881.9004
2022	5.6963	18.8777	20.6135	0.0397	0.6636	0.8987	1.5623	0.1785	0.8504	1.0289	0.0000	3,841.7999	3,841.7999	0.6686	0.0000	3,858.5157
2023	5.5213	17.2671	20.2836	0.0395	0.6636	0.7762	1.4398	0.1785	0.7345	0.9129	0.0000	3,813.7579	3,813.7579	0.6591	0.0000	3,830.2358
2024	5.3917	16.2029	20.0469	0.0392	0.6636	0.6797	1.3433	0.1785	0.6429	0.8214	0.0000	3,791.3609	3,791.3609	0.6532	0.0000	3,807.6905
2025	5.2625	15.1193	19.8206	0.0390	0.6636	0.5843	1.2479	0.1785	0.5527	0.7311	0.0000	3,769.5415	3,769.5415	0.6480	0.0000	3,785.7419
Maximum	**5.9289**	**50.2433**	**32.6113**	**0.0636**	**18.2032**	**2.1984**	**20.4016**	**9.9670**	**2.0225**	**11.9895**	**0.0000**	**6,164.5679**	**6,164.5679**	**1.9470**	**0.0000**	**6,213.2420**

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					
2020	4.5363	50.2433	32.6113	0.0636	18.2032	2.1984	20.4016	9.9670	2.0225	11.9895	0.0000	6,164.5679	6,164.5679	1.9470	0.0000	6,213.2420
2021	5.9289	20.9166	21.0382	0.0400	0.6636	1.0614	1.7251	0.1785	1.0036	1.1820	0.0000	3,865.0019	3,865.0019	0.7169	0.0000	3,881.9004
2022	5.6963	18.8777	20.6135	0.0397	0.6636	0.8987	1.5623	0.1785	0.8504	1.0289	0.0000	3,841.7999	3,841.7999	0.6686	0.0000	3,858.5157
2023	5.5213	17.2671	20.2836	0.0395	0.6636	0.7762	1.4398	0.1785	0.7345	0.9129	0.0000	3,813.7579	3,813.7579	0.6591	0.0000	3,830.2358
2024	5.3917	16.2029	20.0469	0.0392	0.6636	0.6797	1.3433	0.1785	0.6429	0.8214	0.0000	3,791.3609	3,791.3609	0.6532	0.0000	3,807.6905
2025	5.2625	15.1193	19.8206	0.0390	0.6636	0.5843	1.2479	0.1785	0.5527	0.7311	0.0000	3,769.5415	3,769.5415	0.6480	0.0000	3,785.7419
Maximum	**5.9289**	**50.2433**	**32.6113**	**0.0636**	**18.2032**	**2.1984**	**20.4016**	**9.9670**	**2.0225**	**11.9895**	**0.0000**	**6,164.5679**	**6,164.5679**	**1.9470**	**0.0000**	**6,213.2420**

	ROG	NOx	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	7.9711	0.1605	13.9295	7.4000e-004		0.0773	0.0773		0.0773	0.0773	0.0000	25.1053	25.1053	0.0240	0.0000	25.7064
Energy	0.1290	1.1024	0.4691	7.0400e-003		0.0891	0.0891		0.0891	0.0891		1,407.2724	1,407.2724	0.0270	0.0258	1,415.6351
Mobile	2.3900	7.3313	19.6766	0.0664	6.1292	0.0493	6.1785	1.6374	0.0459	1.6833		6,741.5205	6,741.5205	0.2844		6,748.6300
Total	**10.4901**	**8.5941**	**34.0752**	**0.0742**	**6.1292**	**0.2157**	**6.3449**	**1.6374**	**0.2123**	**1.8497**	**0.0000**	**8,173.8982**	**8,173.8982**	**0.3354**	**0.0258**	**8,189.9715**

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	7.9711	0.1605	13.9295	7.4000e-004		0.0773	0.0773		0.0773	0.0773	0.0000	25.1053	25.1053	0.0240	0.0000	25.7064
Energy	0.1209	1.0332	0.4397	6.6000e-003		0.0835	0.0835		0.0835	0.0835		1,319.0090	1,319.0090	0.0253	0.0242	1,326.8472
Mobile	2.3796	7.2780	19.3719	0.0652	6.0066	0.0485	6.0551	1.6047	0.0451	1.6498		6,618.8652	6,618.8652	0.2802		6,625.8704
Total	**10.4716**	**8.4717**	**33.7410**	**0.0725**	**6.0066**	**0.2093**	**6.2160**	**1.6047**	**0.2059**	**1.8106**	**0.0000**	**7,962.9796**	**7,962.9796**	**0.3295**	**0.0242**	**7,978.4240**

	ROG	NOx	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	**0.18**	**1.42**	**0.98**	**2.22**	**2.00**	**2.96**	**2.03**	**2.00**	**2.98**	**2.11**	**0.00**	**2.58**	**2.58**	**1.75**	**6.28**	**2.58**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	6/1/2020	7/24/2020	5	40	
2	Grading	Grading	7/25/2020	12/25/2020	5	110	
3	Paving	Paving	12/26/2020	4/9/2021	5	75	
4	Building Construction	Building Construction	4/10/2021	7/11/2025	5	1110	
5	Architectural Coating	Architectural Coating	4/24/2021	7/11/2025	5	1100	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 275

Acres of Paving: 0

Residential Indoor: 616,005; Residential Outdoor: 205,335; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Fairway Oaks Annexation Project - Sacramento Metropolitan AQMD Air District, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
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
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
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
Site Preparation	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
Paving	6	15.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	61.00	18.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	12.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Site Preparation - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.0765	42.4173	21.5136	0.0380		2.1974	2.1974		2.0216	2.0216		3,685.1016	3,685.1016	1.1918		3,714.8975
Total	**4.0765**	**42.4173**	**21.5136**	**0.0380**	**18.0663**	**2.1974**	**20.2637**	**9.9307**	**2.0216**	**11.9523**		**3,685.1016**	**3,685.1016**	**1.1918**		**3,714.8975**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	0.0776	0.0412	0.5877	1.4400e-003	0.1369	9.5000e-004	0.1379	0.0363	8.8000e-004	0.0372		142.8323	142.8323	4.0900e-003		142.9346
Total	**0.0776**	**0.0412**	**0.5877**	**1.4400e-003**	**0.1369**	**9.5000e-004**	**0.1379**	**0.0363**	**8.8000e-004**	**0.0372**		**142.8323**	**142.8323**	**4.0900e-003**		**142.9346**

3.2 Site Preparation - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.0765	42.4173	21.5136	0.0380		2.1974	2.1974		2.0216	2.0216	0.0000	3,685.1016	3,685.1016	1.1918		3,714.8975
Total	**4.0765**	**42.4173**	**21.5136**	**0.0380**	**18.0663**	**2.1974**	**20.2637**	**9.9307**	**2.0216**	**11.9523**	**0.0000**	**3,685.1016**	**3,685.1016**	**1.1918**		**3,714.8975**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	0.0776	0.0412	0.5877	1.4400e-003	0.1369	9.5000e-004	0.1379	0.0363	8.8000e-004	0.0372		142.8323	142.8323	4.0900e-003		142.9346
Total	**0.0776**	**0.0412**	**0.5877**	**1.4400e-003**	**0.1369**	**9.5000e-004**	**0.1379**	**0.0363**	**8.8000e-004**	**0.0372**		**142.8323**	**142.8323**	**4.0900e-003**		**142.9346**

3.3 Grading - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	4.4501	50.1975	31.9583	0.0620		2.1739	2.1739		2.0000	2.0000		6,005.8653	6,005.8653	1.9424		6,054.4257
Total	**4.4501**	**50.1975**	**31.9583**	**0.0620**	**8.6733**	**2.1739**	**10.8472**	**3.5965**	**2.0000**	**5.5965**		**6,005.8653**	**6,005.8653**	**1.9424**		**6,054.4257**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	0.0862	0.0458	0.6530	1.5900e-003	0.1521	1.0600e-003	0.1532	0.0404	9.7000e-004	0.0413		158.7026	158.7026	4.5500e-003		158.8163
Total	**0.0862**	**0.0458**	**0.6530**	**1.5900e-003**	**0.1521**	**1.0600e-003**	**0.1532**	**0.0404**	**9.7000e-004**	**0.0413**		**158.7026**	**158.7026**	**4.5500e-003**		**158.8163**

3.3 Grading - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	4.4501	50.1975	31.9583	0.0620		2.1739	2.1739		2.0000	2.0000	0.0000	6,005.8653	6,005.8653	1.9424		6,054.4257
Total	**4.4501**	**50.1975**	**31.9583**	**0.0620**	**8.6733**	**2.1739**	**10.8472**	**3.5965**	**2.0000**	**5.5965**	**0.0000**	**6,005.8653**	**6,005.8653**	**1.9424**		**6,054.4257**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	0.0862	0.0458	0.6530	1.5900e-003	0.1521	1.0600e-003	0.1532	0.0404	9.7000e-004	0.0413		158.7026	158.7026	4.5500e-003		158.8163
Total	**0.0862**	**0.0458**	**0.6530**	**1.5900e-003**	**0.1521**	**1.0600e-003**	**0.1532**	**0.0404**	**9.7000e-004**	**0.0413**		**158.7026**	**158.7026**	**4.5500e-003**		**158.8163**

3.4 Paving - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3566	14.0656	14.6521	0.0228		0.7528	0.7528		0.6926	0.6926		2,207.7334	2,207.7334	0.7140		2,225.5841
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.3566**	**14.0656**	**14.6521**	**0.0228**		**0.7528**	**0.7528**		**0.6926**	**0.6926**		**2,207.7334**	**2,207.7334**	**0.7140**		**2,225.5841**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	0.0647	0.0343	0.4898	1.2000e-003	0.1141	7.9000e-004	0.1149	0.0303	7.3000e-004	0.0310		119.0269	119.0269	3.4100e-003		119.1122
Total	**0.0647**	**0.0343**	**0.4898**	**1.2000e-003**	**0.1141**	**7.9000e-004**	**0.1149**	**0.0303**	**7.3000e-004**	**0.0310**		**119.0269**	**119.0269**	**3.4100e-003**		**119.1122**

3.4 Paving - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3566	14.0656	14.6521	0.0228		0.7528	0.7528		0.6926	0.6926	0.0000	2,207.7334	2,207.7334	0.7140		2,225.5841
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.3566**	**14.0656**	**14.6521**	**0.0228**		**0.7528**	**0.7528**		**0.6926**	**0.6926**	**0.0000**	**2,207.7334**	**2,207.7334**	**0.7140**		**2,225.5841**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	0.0647	0.0343	0.4898	1.2000e-003	0.1141	7.9000e-004	0.1149	0.0303	7.3000e-004	0.0310		119.0269	119.0269	3.4100e-003		119.1122
Total	**0.0647**	**0.0343**	**0.4898**	**1.2000e-003**	**0.1141**	**7.9000e-004**	**0.1149**	**0.0303**	**7.3000e-004**	**0.0310**		**119.0269**	**119.0269**	**3.4100e-003**		**119.1122**

3.4 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	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**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**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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**

3.4 Paving - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**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**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643
Total	**1.9009**	**17.4321**	**16.5752**	**0.0269**		**0.9586**	**0.9586**		**0.9013**	**0.9013**		**2,553.3639**	**2,553.3639**	**0.6160**		**2,568.7643**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	0.0556	1.8079	0.4617	4.4400e-003	0.1083	4.9600e-003	0.1133	0.0312	4.7400e-003	0.0359		470.6602	470.6602	0.0257		471.3033
Worker	0.2445	0.1252	1.8248	4.7000e-003	0.4640	3.1300e-003	0.4672	0.1231	2.8900e-003	0.1260		467.5522	467.5522	0.0124		467.8633
Total	**0.3001**	**1.9331**	**2.2865**	**9.1400e-003**	**0.5723**	**8.0900e-003**	**0.5804**	**0.1543**	**7.6300e-003**	**0.1619**		**938.2124**	**938.2124**	**0.0382**		**939.1666**

3.5 Building Construction - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643
Total	**1.9009**	**17.4321**	**16.5752**	**0.0269**		**0.9586**	**0.9586**		**0.9013**	**0.9013**	**0.0000**	**2,553.3639**	**2,553.3639**	**0.6160**		**2,568.7643**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	0.0556	1.8079	0.4617	4.4400e-003	0.1083	4.9600e-003	0.1133	0.0312	4.7400e-003	0.0359		470.6602	470.6602	0.0257		471.3033
Worker	0.2445	0.1252	1.8248	4.7000e-003	0.4640	3.1300e-003	0.4672	0.1231	2.8900e-003	0.1260		467.5522	467.5522	0.0124		467.8633
Total	**0.3001**	**1.9331**	**2.2865**	**9.1400e-003**	**0.5723**	**8.0900e-003**	**0.5804**	**0.1543**	**7.6300e-003**	**0.1619**		**938.2124**	**938.2124**	**0.0382**		**939.1666**

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**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	0.0516	1.7188	0.4254	4.4000e-003	0.1083	4.3400e-003	0.1126	0.0312	4.1500e-003	0.0353		466.5546	466.5546	0.0250		467.1792
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	**0.2798**	**1.8314**	**2.1059**	**8.9300e-003**	**0.5723**	**7.3900e-003**	**0.5797**	**0.1543**	**6.9600e-003**	**0.1612**		**917.3393**	**917.3393**	**0.0362**		**918.2434**

3.5 Building Construction - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	0.0516	1.7188	0.4254	4.4000e-003	0.1083	4.3400e-003	0.1126	0.0312	4.1500e-003	0.0353		466.5546	466.5546	0.0250		467.1792
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	**0.2798**	**1.8314**	**2.1059**	**8.9300e-003**	**0.5723**	**7.3900e-003**	**0.5797**	**0.1543**	**6.9600e-003**	**0.1612**		**917.3393**	**917.3393**	**0.0362**		**918.2434**

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**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	0.0408	1.4580	0.3773	4.3200e-003	0.1083	2.0500e-003	0.1103	0.0312	1.9600e-003	0.0331		457.9179	457.9179	0.0224		458.4788
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	**0.2541**	**1.5593**	**1.9242**	**8.6800e-003**	**0.5723**	**5.0300e-003**	**0.5773**	**0.1543**	**4.7000e-003**	**0.1590**		**891.7549**	**891.7549**	**0.0325**		**892.5665**

3.5 Building Construction - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	0.0408	1.4580	0.3773	4.3200e-003	0.1083	2.0500e-003	0.1103	0.0312	1.9600e-003	0.0331		457.9179	457.9179	0.0224		458.4788
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	**0.2541**	**1.5593**	**1.9242**	**8.6800e-003**	**0.5723**	**5.0300e-003**	**0.5773**	**0.1543**	**4.7000e-003**	**0.1590**		**891.7549**	**891.7549**	**0.0325**		**892.5665**

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**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	0.0389	1.4307	0.3527	4.2900e-003	0.1083	1.9500e-003	0.1102	0.0312	1.8600e-003	0.0330		455.2407	455.2407	0.0222		455.7947
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	**0.2392**	**1.5223**	**1.7876**	**8.4700e-003**	**0.5723**	**4.8600e-003**	**0.5772**	**0.1542**	**4.5400e-003**	**0.1588**		**872.1910**	**872.1910**	**0.0312**		**872.9711**

3.5 Building Construction - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	0.0389	1.4307	0.3527	4.2900e-003	0.1083	1.9500e-003	0.1102	0.0312	1.8600e-003	0.0330		455.2407	455.2407	0.0222		455.7947
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	**0.2392**	**1.5223**	**1.7876**	**8.4700e-003**	**0.5723**	**4.8600e-003**	**0.5772**	**0.1542**	**4.5400e-003**	**0.1588**		**872.1910**	**872.1910**	**0.0312**		**872.9711**

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**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	0.0373	1.4046	0.3339	4.2600e-003	0.1083	1.8500e-003	0.1101	0.0312	1.7700e-003	0.0329		452.6492	452.6492	0.0219		453.1968
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	**0.2262**	**1.4878**	**1.6649**	**8.2800e-003**	**0.5723**	**4.7100e-003**	**0.5770**	**0.1542**	**4.4000e-003**	**0.1586**		**852.8844**	**852.8844**	**0.0301**		**853.6369**

3.5 Building Construction - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	0.0373	1.4046	0.3339	4.2600e-003	0.1083	1.8500e-003	0.1101	0.0312	1.7700e-003	0.0329		452.6492	452.6492	0.0219		453.1968
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	**0.2262**	**1.4878**	**1.6649**	**8.2800e-003**	**0.5723**	**4.7100e-003**	**0.5770**	**0.1542**	**4.4000e-003**	**0.1586**		**852.8844**	**852.8844**	**0.0301**		**853.6369**

3.6 Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	3.4608					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309
Total	**3.6797**	**1.5268**	**1.8176**	**2.9700e-003**		**0.0941**	**0.0941**		**0.0941**	**0.0941**		**281.4481**	**281.4481**	**0.0193**		**281.9309**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	0.0481	0.0246	0.3590	9.2000e-004	0.0913	6.2000e-004	0.0919	0.0242	5.7000e-004	0.0248		91.9775	91.9775	2.4500e-003		92.0387
Total	**0.0481**	**0.0246**	**0.3590**	**9.2000e-004**	**0.0913**	**6.2000e-004**	**0.0919**	**0.0242**	**5.7000e-004**	**0.0248**		**91.9775**	**91.9775**	**2.4500e-003**		**92.0387**

3.6 Architectural Coating - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	3.4608					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941	0.0000	281.4481	281.4481	0.0193		281.9309
Total	**3.6797**	**1.5268**	**1.8176**	**2.9700e-003**		**0.0941**	**0.0941**		**0.0941**	**0.0941**	**0.0000**	**281.4481**	**281.4481**	**0.0193**		**281.9309**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	0.0481	0.0246	0.3590	9.2000e-004	0.0913	6.2000e-004	0.0919	0.0242	5.7000e-004	0.0248		91.9775	91.9775	2.4500e-003		92.0387
Total	**0.0481**	**0.0246**	**0.3590**	**9.2000e-004**	**0.0913**	**6.2000e-004**	**0.0919**	**0.0242**	**5.7000e-004**	**0.0248**		**91.9775**	**91.9775**	**2.4500e-003**		**92.0387**

3.6 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	3.4608					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	**3.6654**	**1.4085**	**1.8136**	**2.9700e-003**		**0.0817**	**0.0817**		**0.0817**	**0.0817**		**281.4481**	**281.4481**	**0.0183**		**281.9062**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	0.0449	0.0221	0.3306	8.9000e-004	0.0913	6.0000e-004	0.0919	0.0242	5.5000e-004	0.0248		88.6790	88.6790	2.2000e-003		88.7340
Total	**0.0449**	**0.0221**	**0.3306**	**8.9000e-004**	**0.0913**	**6.0000e-004**	**0.0919**	**0.0242**	**5.5000e-004**	**0.0248**		**88.6790**	**88.6790**	**2.2000e-003**		**88.7340**

3.6 Architectural Coating - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	3.4608					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	**3.6654**	**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**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	0.0449	0.0221	0.3306	8.9000e-004	0.0913	6.0000e-004	0.0919	0.0242	5.5000e-004	0.0248		88.6790	88.6790	2.2000e-003		88.7340
Total	**0.0449**	**0.0221**	**0.3306**	**8.9000e-004**	**0.0913**	**6.0000e-004**	**0.0919**	**0.0242**	**5.5000e-004**	**0.0248**		**88.6790**	**88.6790**	**2.2000e-003**		**88.7340**

3.6 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	3.4608					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	**3.6525**	**1.3030**	**1.8111**	**2.9700e-003**		**0.0708**	**0.0708**		**0.0708**	**0.0708**		**281.4481**	**281.4481**	**0.0168**		**281.8690**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	0.0420	0.0199	0.3043	8.6000e-004	0.0913	5.9000e-004	0.0919	0.0242	5.4000e-004	0.0248		85.3450	85.3450	1.9700e-003		85.3943
Total	**0.0420**	**0.0199**	**0.3043**	**8.6000e-004**	**0.0913**	**5.9000e-004**	**0.0919**	**0.0242**	**5.4000e-004**	**0.0248**		**85.3450**	**85.3450**	**1.9700e-003**		**85.3943**

3.6 Architectural Coating - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	3.4608					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	**3.6525**	**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**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	0.0420	0.0199	0.3043	8.6000e-004	0.0913	5.9000e-004	0.0919	0.0242	5.4000e-004	0.0248		85.3450	85.3450	1.9700e-003		85.3943
Total	**0.0420**	**0.0199**	**0.3043**	**8.6000e-004**	**0.0913**	**5.9000e-004**	**0.0919**	**0.0242**	**5.4000e-004**	**0.0248**		**85.3450**	**85.3450**	**1.9700e-003**		**85.3943**

3.6 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	3.4608					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	**3.6416**	**1.2188**	**1.8101**	**2.9700e-003**		**0.0609**	**0.0609**		**0.0609**	**0.0609**		**281.4481**	**281.4481**	**0.0159**		**281.8443**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	0.0394	0.0180	0.2823	8.2000e-004	0.0913	5.7000e-004	0.0919	0.0242	5.3000e-004	0.0247		82.0230	82.0230	1.7800e-003		82.0675
Total	**0.0394**	**0.0180**	**0.2823**	**8.2000e-004**	**0.0913**	**5.7000e-004**	**0.0919**	**0.0242**	**5.3000e-004**	**0.0247**		**82.0230**	**82.0230**	**1.7800e-003**		**82.0675**

3.6 Architectural Coating - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	3.4608					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	**3.6416**	**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**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	0.0394	0.0180	0.2823	8.2000e-004	0.0913	5.7000e-004	0.0919	0.0242	5.3000e-004	0.0247		82.0230	82.0230	1.7800e-003		82.0675
Total	**0.0394**	**0.0180**	**0.2823**	**8.2000e-004**	**0.0913**	**5.7000e-004**	**0.0919**	**0.0242**	**5.3000e-004**	**0.0247**		**82.0230**	**82.0230**	**1.7800e-003**		**82.0675**

3.6 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	3.4608					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	**3.6317**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**		**281.4481**	**281.4481**	**0.0154**		**281.8319**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	0.0372	0.0164	0.2618	7.9000e-004	0.0913	5.6000e-004	0.0919	0.0242	5.2000e-004	0.0247		78.7348	78.7348	1.6100e-003		78.7751
Total	**0.0372**	**0.0164**	**0.2618**	**7.9000e-004**	**0.0913**	**5.6000e-004**	**0.0919**	**0.0242**	**5.2000e-004**	**0.0247**		**78.7348**	**78.7348**	**1.6100e-003**		**78.7751**

3.6 Architectural Coating - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	3.4608					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	**3.6317**	**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**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	0.0372	0.0164	0.2618	7.9000e-004	0.0913	5.6000e-004	0.0919	0.0242	5.2000e-004	0.0247		78.7348	78.7348	1.6100e-003		78.7751
Total	**0.0372**	**0.0164**	**0.2618**	**7.9000e-004**	**0.0913**	**5.6000e-004**	**0.0919**	**0.0242**	**5.2000e-004**	**0.0247**		**78.7348**	**78.7348**	**1.6100e-003**		**78.7751**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Improve Pedestrian Network

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	2.3796	7.2780	19.3719	0.0652	6.0066	0.0485	6.0551	1.6047	0.0451	1.6498		6,618.8652	6,618.8652	0.2802		6,625.8704
Unmitigated	2.3900	7.3313	19.6766	0.0664	6.1292	0.0493	6.1785	1.6374	0.0459	1.6833		6,741.5205	6,741.5205	0.2844		6,748.6300

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Single Family Housing	1,654.51	1,674.79	1456.78	2,813,806	2,757,530
Total	1,654.51	1,674.79	1,456.78	2,813,806	2,757,530

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
Single Family Housing	6.73	3.36	4.37	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
Single Family Housing	0.570990	0.036039	0.209774	0.110012	0.014862	0.004732	0.018347	0.024592	0.001934	0.001739	0.005654	0.000617	0.000710

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

Percent of Electricity Use Generated with Renewable 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	0.1209	1.0332	0.4397	6.6000e-003		0.0835	0.0835		0.0835	0.0835		1,319.0090	1,319.0090	0.0253	0.0242	1,326.8472
NaturalGas Unmitigated	0.1290	1.1024	0.4691	7.0400e-003		0.0891	0.0891		0.0891	0.0891		1,407.2724	1,407.2724	0.0270	0.0258	1,415.6351

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					
Single Family Housing	11961.8	0.1290	1.1024	0.4691	7.0400e-003		0.0891	0.0891		0.0891	0.0891		1,407.2724	1,407.2724	0.0270	0.0258	1,415.6351
Total		**0.1290**	**1.1024**	**0.4691**	**7.0400e-003**		**0.0891**	**0.0891**		**0.0891**	**0.0891**		**1,407.2724**	**1,407.2724**	**0.0270**	**0.0258**	**1,415.6351**

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					
Single Family Housing	11.2116	0.1209	1.0332	0.4397	6.6000e-003		0.0835	0.0835		0.0835	0.0835		1,319.0090	1,319.0090	0.0253	0.0242	1,326.8472
Total		**0.1209**	**1.0332**	**0.4397**	**6.6000e-003**		**0.0835**	**0.0835**		**0.0835**	**0.0835**		**1,319.0090**	**1,319.0090**	**0.0253**	**0.0242**	**1,326.8472**

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	7.9711	0.1605	13.9295	7.4000e-004		0.0773	0.0773		0.0773	0.0773	0.0000	25.1053	25.1053	0.0240	0.0000	25.7064
Unmitigated	7.9711	0.1605	13.9295	7.4000e-004		0.0773	0.0773		0.0773	0.0773	0.0000	25.1053	25.1053	0.0240	0.0000	25.7064

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	1.0430					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	6.5099					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	0.4182	0.1605	13.9295	7.4000e-004		0.0773	0.0773		0.0773	0.0773		25.1053	25.1053	0.0240		25.7064
Total	**7.9711**	**0.1605**	**13.9295**	**7.4000e-004**		**0.0773**	**0.0773**		**0.0773**	**0.0773**	**0.0000**	**25.1053**	**25.1053**	**0.0240**	**0.0000**	**25.7064**

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	1.0430					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	6.5099					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	0.4182	0.1605	13.9295	7.4000e-004		0.0773	0.0773		0.0773	0.0773		25.1053	25.1053	0.0240		25.7064
Total	**7.9711**	**0.1605**	**13.9295**	**7.4000e-004**		**0.0773**	**0.0773**		**0.0773**	**0.0773**	**0.0000**	**25.1053**	**25.1053**	**0.0240**	**0.0000**	**25.7064**

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

Fairway Oaks Annexation Project

Sacramento Metropolitan AQMD Air District, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Single Family Housing	169.00	Dwelling Unit	50.50	304,200.00	451

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	3.5	**Precipitation Freq (Days)**	58
Climate Zone	6			**Operational Year**	2026
Utility Company	Sacramento Municipal Utility District				
CO2 Intensity (lb/MWhr)	333.86	**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 per SMUD's RPS projections.

Land Use - Lot acreage updated based on information provided by the project applicant.

Construction Phase - Total days required for architectural coating adjusted to match total days for building construction.

Vehicle Trips - Trip generation rate updated based on the Traffic Impact Analysis that is being prepared for the proposed project.

Woodstoves - 169 natural gas hearths added per applicant-provided questionnaire.

Mobile Land Use Mitigation -

Area Mitigation -

Energy Mitigation -

Fairway Oaks Annexation Project - Sacramento Metropolitan AQMD Air District, Winter

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	75.00	1,100.00
tblFireplaces	NumberGas	0.00	169.00
tblFireplaces	NumberNoFireplace	169.00	0.00
tblLandUse	LotAcreage	54.87	50.50
tblProjectCharacteristics	CO2IntensityFactor	590.31	333.86
tblVehicleTrips	HO_TL	6.50	4.37
tblVehicleTrips	HS_TL	5.00	3.36
tblVehicleTrips	HW_TL	10.00	6.73
tblVehicleTrips	WD_TR	9.52	9.79

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					
2020	4.5295	50.2541	32.5174	0.0634	18.2032	2.1984	20.4016	9.9670	2.0225	11.9895	0.0000	6,145.2430	6,145.2430	1.9464	0.0000	6,193.9036
2021	5.9090	20.9816	20.7909	0.0392	0.6636	1.0617	1.7254	0.1785	1.0039	1.1823	0.0000	3,784.7756	3,784.7756	0.7166	0.0000	3,801.6826
2022	5.6783	18.9345	20.3789	0.0389	0.6636	0.8990	1.5626	0.1785	0.8507	1.0291	0.0000	3,764.0759	3,764.0759	0.6691	0.0000	3,780.8029
2023	5.5047	17.3101	20.0553	0.0387	0.6636	0.7763	1.4399	0.1785	0.7347	0.9131	0.0000	3,738.7840	3,738.7840	0.6594	0.0000	3,755.2695
2024	5.3768	16.2423	19.8306	0.0385	0.6636	0.6798	1.3434	0.1785	0.6430	0.8215	0.0000	3,718.9888	3,718.9888	0.6536	0.0000	3,735.3286
2025	5.2489	15.1557	19.6173	0.0383	0.6636	0.5845	1.2481	0.1785	0.5528	0.7313	0.0000	3,699.7492	3,699.7492	0.6485	0.0000	3,715.9621
Maximum	**5.9090**	**50.2541**	**32.5174**	**0.0634**	**18.2032**	**2.1984**	**20.4016**	**9.9670**	**2.0225**	**11.9895**	**0.0000**	**6,145.2430**	**6,145.2430**	**1.9464**	**0.0000**	**6,193.9036**

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					
2020	4.5295	50.2541	32.5174	0.0634	18.2032	2.1984	20.4016	9.9670	2.0225	11.9895	0.0000	6,145.2430	6,145.2430	1.9464	0.0000	6,193.9036
2021	5.9090	20.9816	20.7909	0.0392	0.6636	1.0617	1.7254	0.1785	1.0039	1.1823	0.0000	3,784.7756	3,784.7756	0.7166	0.0000	3,801.6826
2022	5.6783	18.9345	20.3789	0.0389	0.6636	0.8990	1.5626	0.1785	0.8507	1.0291	0.0000	3,764.0759	3,764.0759	0.6691	0.0000	3,780.8029
2023	5.5047	17.3101	20.0553	0.0387	0.6636	0.7763	1.4399	0.1785	0.7347	0.9131	0.0000	3,738.7840	3,738.7840	0.6594	0.0000	3,755.2695
2024	5.3768	16.2423	19.8306	0.0385	0.6636	0.6798	1.3434	0.1785	0.6430	0.8215	0.0000	3,718.9888	3,718.9888	0.6536	0.0000	3,735.3286
2025	5.2489	15.1557	19.6173	0.0383	0.6636	0.5845	1.2481	0.1785	0.5528	0.7313	0.0000	3,699.7492	3,699.7492	0.6485	0.0000	3,715.9621
Maximum	**5.9090**	**50.2541**	**32.5174**	**0.0634**	**18.2032**	**2.1984**	**20.4016**	**9.9670**	**2.0225**	**11.9895**	**0.0000**	**6,145.2430**	**6,145.2430**	**1.9464**	**0.0000**	**6,193.9036**

	ROG	NOx	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	7.9711	0.1605	13.9295	7.4000e-004		0.0773	0.0773		0.0773	0.0773	0.0000	25.1053	25.1053	0.0240	0.0000	25.7064
Energy	0.1290	1.1024	0.4691	7.0400e-003		0.0891	0.0891		0.0891	0.0891		1,407.2724	1,407.2724	0.0270	0.0258	1,415.6351
Mobile	1.6969	7.6607	18.7560	0.0601	6.1292	0.0499	6.1791	1.6374	0.0464	1.6838		6,107.7171	6,107.7171	0.2892		6,114.9469
Total	**9.7970**	**8.9235**	**33.1546**	**0.0679**	**6.1292**	**0.2163**	**6.3455**	**1.6374**	**0.2128**	**1.8502**	**0.0000**	**7,540.0949**	**7,540.0949**	**0.3402**	**0.0258**	**7,556.2884**

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	7.9711	0.1605	13.9295	7.4000e-004		0.0773	0.0773		0.0773	0.0773	0.0000	25.1053	25.1053	0.0240	0.0000	25.7064
Energy	0.1209	1.0332	0.4397	6.6000e-003		0.0835	0.0835		0.0835	0.0835		1,319.0090	1,319.0090	0.0253	0.0242	1,326.8472
Mobile	1.6869	7.6000	18.5116	0.0590	6.0066	0.0491	6.0557	1.6047	0.0457	1.6503		5,996.6899	5,996.6899	0.2853		6,003.8213
Total	**9.7789**	**8.7936**	**32.8808**	**0.0663**	**6.0066**	**0.2099**	**6.2165**	**1.6047**	**0.2065**	**1.8112**	**0.0000**	**7,340.8042**	**7,340.8042**	**0.3346**	**0.0242**	**7,356.3749**

	ROG	NOx	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	**0.18**	**1.46**	**0.83**	**2.25**	**2.00**	**2.95**	**2.03**	**2.00**	**2.97**	**2.11**	**0.00**	**2.64**	**2.64**	**1.65**	**6.28**	**2.65**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	6/1/2020	7/24/2020	5	40	
2	Grading	Grading	7/25/2020	12/25/2020	5	110	
3	Paving	Paving	12/26/2020	4/9/2021	5	75	
4	Building Construction	Building Construction	4/10/2021	7/11/2025	5	1110	
5	Architectural Coating	Architectural Coating	4/24/2021	7/11/2025	5	1100	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 275

Acres of Paving: 0

Residential Indoor: 616,005; Residential Outdoor: 205,335; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Fairway Oaks Annexation Project - Sacramento Metropolitan AQMD Air District, Winter

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
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
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
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
Site Preparation	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
Paving	6	15.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	61.00	18.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	12.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Site Preparation - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.0765	42.4173	21.5136	0.0380		2.1974	2.1974		2.0216	2.0216		3,685.1016	3,685.1016	1.1918		3,714.8975
Total	**4.0765**	**42.4173**	**21.5136**	**0.0380**	**18.0663**	**2.1974**	**20.2637**	**9.9307**	**2.0216**	**11.9523**		**3,685.1016**	**3,685.1016**	**1.1918**		**3,714.8975**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	0.0714	0.0509	0.5032	1.2600e-003	0.1369	9.5000e-004	0.1379	0.0363	8.8000e-004	0.0372		125.4399	125.4399	3.6100e-003		125.5301
Total	**0.0714**	**0.0509**	**0.5032**	**1.2600e-003**	**0.1369**	**9.5000e-004**	**0.1379**	**0.0363**	**8.8000e-004**	**0.0372**		**125.4399**	**125.4399**	**3.6100e-003**		**125.5301**

3.2 Site Preparation - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.0765	42.4173	21.5136	0.0380		2.1974	2.1974		2.0216	2.0216	0.0000	3,685.1016	3,685.1016	1.1918		3,714.8975
Total	**4.0765**	**42.4173**	**21.5136**	**0.0380**	**18.0663**	**2.1974**	**20.2637**	**9.9307**	**2.0216**	**11.9523**	**0.0000**	**3,685.1016**	**3,685.1016**	**1.1918**		**3,714.8975**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	0.0714	0.0509	0.5032	1.2600e-003	0.1369	9.5000e-004	0.1379	0.0363	8.8000e-004	0.0372		125.4399	125.4399	3.6100e-003		125.5301
Total	**0.0714**	**0.0509**	**0.5032**	**1.2600e-003**	**0.1369**	**9.5000e-004**	**0.1379**	**0.0363**	**8.8000e-004**	**0.0372**		**125.4399**	**125.4399**	**3.6100e-003**		**125.5301**

3.3 Grading - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	4.4501	50.1975	31.9583	0.0620		2.1739	2.1739		2.0000	2.0000		6,005.8653	6,005.8653	1.9424		6,054.4257
Total	**4.4501**	**50.1975**	**31.9583**	**0.0620**	**8.6733**	**2.1739**	**10.8472**	**3.5965**	**2.0000**	**5.5965**		**6,005.8653**	**6,005.8653**	**1.9424**		**6,054.4257**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	0.0794	0.0565	0.5591	1.4000e-003	0.1521	1.0600e-003	0.1532	0.0404	9.7000e-004	0.0413		139.3777	139.3777	4.0100e-003		139.4779
Total	**0.0794**	**0.0565**	**0.5591**	**1.4000e-003**	**0.1521**	**1.0600e-003**	**0.1532**	**0.0404**	**9.7000e-004**	**0.0413**		**139.3777**	**139.3777**	**4.0100e-003**		**139.4779**

3.3 Grading - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	4.4501	50.1975	31.9583	0.0620		2.1739	2.1739		2.0000	2.0000	0.0000	6,005.8653	6,005.8653	1.9424		6,054.4257
Total	**4.4501**	**50.1975**	**31.9583**	**0.0620**	**8.6733**	**2.1739**	**10.8472**	**3.5965**	**2.0000**	**5.5965**	**0.0000**	**6,005.8653**	**6,005.8653**	**1.9424**		**6,054.4257**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	0.0794	0.0565	0.5591	1.4000e-003	0.1521	1.0600e-003	0.1532	0.0404	9.7000e-004	0.0413		139.3777	139.3777	4.0100e-003		139.4779
Total	**0.0794**	**0.0565**	**0.5591**	**1.4000e-003**	**0.1521**	**1.0600e-003**	**0.1532**	**0.0404**	**9.7000e-004**	**0.0413**		**139.3777**	**139.3777**	**4.0100e-003**		**139.4779**

3.4 Paving - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3566	14.0656	14.6521	0.0228		0.7528	0.7528		0.6926	0.6926		2,207.7334	2,207.7334	0.7140		2,225.5841
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.3566**	**14.0656**	**14.6521**	**0.0228**		**0.7528**	**0.7528**		**0.6926**	**0.6926**		**2,207.7334**	**2,207.7334**	**0.7140**		**2,225.5841**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	0.0595	0.0424	0.4194	1.0500e-003	0.1141	7.9000e-004	0.1149	0.0303	7.3000e-004	0.0310		104.5333	104.5333	3.0100e-003		104.6084
Total	**0.0595**	**0.0424**	**0.4194**	**1.0500e-003**	**0.1141**	**7.9000e-004**	**0.1149**	**0.0303**	**7.3000e-004**	**0.0310**		**104.5333**	**104.5333**	**3.0100e-003**		**104.6084**

3.4 Paving - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3566	14.0656	14.6521	0.0228		0.7528	0.7528		0.6926	0.6926	0.0000	2,207.7334	2,207.7334	0.7140		2,225.5841
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.3566**	**14.0656**	**14.6521**	**0.0228**		**0.7528**	**0.7528**		**0.6926**	**0.6926**	**0.0000**	**2,207.7334**	**2,207.7334**	**0.7140**		**2,225.5841**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	0.0595	0.0424	0.4194	1.0500e-003	0.1141	7.9000e-004	0.1149	0.0303	7.3000e-004	0.0310		104.5333	104.5333	3.0100e-003		104.6084
Total	**0.0595**	**0.0424**	**0.4194**	**1.0500e-003**	**0.1141**	**7.9000e-004**	**0.1149**	**0.0303**	**7.3000e-004**	**0.0310**		**104.5333**	**104.5333**	**3.0100e-003**		**104.6084**

3.4 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	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**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**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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**

3.4 Paving - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**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**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643
Total	**1.9009**	**17.4321**	**16.5752**	**0.0269**		**0.9586**	**0.9586**		**0.9013**	**0.9013**		**2,553.3639**	**2,553.3639**	**0.6160**		**2,568.7643**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	0.0589	1.8377	0.5354	4.3300e-003	0.1083	5.2700e-003	0.1136	0.0312	5.0400e-003	0.0362		458.5537	458.5537	0.0279		459.2502
Worker	0.2251	0.1546	1.5565	4.1200e-003	0.4640	3.1300e-003	0.4672	0.1231	2.8900e-003	0.1260		410.6302	410.6302	0.0109		410.9038
Total	**0.2841**	**1.9922**	**2.0919**	**8.4500e-003**	**0.5723**	**8.4000e-003**	**0.5807**	**0.1543**	**7.9300e-003**	**0.1622**		**869.1839**	**869.1839**	**0.0388**		**870.1539**

3.5 Building Construction - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643
Total	**1.9009**	**17.4321**	**16.5752**	**0.0269**		**0.9586**	**0.9586**		**0.9013**	**0.9013**	**0.0000**	**2,553.3639**	**2,553.3639**	**0.6160**		**2,568.7643**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	0.0589	1.8377	0.5354	4.3300e-003	0.1083	5.2700e-003	0.1136	0.0312	5.0400e-003	0.0362		458.5537	458.5537	0.0279		459.2502
Worker	0.2251	0.1546	1.5565	4.1200e-003	0.4640	3.1300e-003	0.4672	0.1231	2.8900e-003	0.1260		410.6302	410.6302	0.0109		410.9038
Total	**0.2841**	**1.9922**	**2.0919**	**8.4500e-003**	**0.5723**	**8.4000e-003**	**0.5807**	**0.1543**	**7.9300e-003**	**0.1622**		**869.1839**	**869.1839**	**0.0388**		**870.1539**

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**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	0.0547	1.7440	0.4938	4.2900e-003	0.1083	4.6300e-003	0.1129	0.0312	4.4300e-003	0.0356		454.4793	454.4793	0.0271		455.1559
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	**0.2652**	**1.8830**	**1.9211**	**8.2600e-003**	**0.5723**	**7.6800e-003**	**0.5800**	**0.1543**	**7.2400e-003**	**0.1615**		**850.4068**	**850.4068**	**0.0369**		**851.3289**

3.5 Building Construction - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	0.0547	1.7440	0.4938	4.2900e-003	0.1083	4.6300e-003	0.1129	0.0312	4.4300e-003	0.0356		454.4793	454.4793	0.0271		455.1559
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	**0.2652**	**1.8830**	**1.9211**	**8.2600e-003**	**0.5723**	**7.6800e-003**	**0.5800**	**0.1543**	**7.2400e-003**	**0.1615**		**850.4068**	**850.4068**	**0.0369**		**851.3289**

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**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	0.0434	1.4727	0.4352	4.2100e-003	0.1083	2.2300e-003	0.1105	0.0312	2.1300e-003	0.0333		446.0971	446.0971	0.0242		446.7030
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	**0.2406**	**1.5977**	**1.7429**	**8.0300e-003**	**0.5723**	**5.2100e-003**	**0.5775**	**0.1543**	**4.8700e-003**	**0.1591**		**827.1624**	**827.1624**	**0.0330**		**827.9876**

3.5 Building Construction - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	0.0434	1.4727	0.4352	4.2100e-003	0.1083	2.2300e-003	0.1105	0.0312	2.1300e-003	0.0333		446.0971	446.0971	0.0242		446.7030
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	**0.2406**	**1.5977**	**1.7429**	**8.0300e-003**	**0.5723**	**5.2100e-003**	**0.5775**	**0.1543**	**4.8700e-003**	**0.1591**		**827.1624**	**827.1624**	**0.0330**		**827.9876**

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**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	0.0413	1.4445	0.4067	4.1800e-003	0.1083	2.1100e-003	0.1104	0.0312	2.0200e-003	0.0332		443.5332	443.5332	0.0239		444.1317
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	**0.2271**	**1.5575**	**1.6158**	**7.8600e-003**	**0.5723**	**5.0200e-003**	**0.5773**	**0.1542**	**4.7000e-003**	**0.1589**		**809.7911**	**809.7911**	**0.0318**		**810.5871**

3.5 Building Construction - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	0.0413	1.4445	0.4067	4.1800e-003	0.1083	2.1100e-003	0.1104	0.0312	2.0200e-003	0.0332		443.5332	443.5332	0.0239		444.1317
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	**0.2271**	**1.5575**	**1.6158**	**7.8600e-003**	**0.5723**	**5.0200e-003**	**0.5773**	**0.1542**	**4.7000e-003**	**0.1589**		**809.7911**	**809.7911**	**0.0318**		**810.5871**

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**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	0.0396	1.4177	0.3849	4.1500e-003	0.1083	1.9900e-003	0.1103	0.0312	1.9100e-003	0.0331		441.0595	441.0595	0.0237		441.6509
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	**0.2153**	**1.5203**	**1.5034**	**7.6800e-003**	**0.5723**	**4.8500e-003**	**0.5771**	**0.1542**	**4.5400e-003**	**0.1588**		**792.6596**	**792.6596**	**0.0308**		**793.4298**

3.5 Building Construction - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	0.0396	1.4177	0.3849	4.1500e-003	0.1083	1.9900e-003	0.1103	0.0312	1.9100e-003	0.0331		441.0595	441.0595	0.0237		441.6509
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	**0.2153**	**1.5203**	**1.5034**	**7.6800e-003**	**0.5723**	**4.8500e-003**	**0.5771**	**0.1542**	**4.5400e-003**	**0.1588**		**792.6596**	**792.6596**	**0.0308**		**793.4298**

3.6 Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	3.4608					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309
Total	**3.6797**	**1.5268**	**1.8176**	**2.9700e-003**		**0.0941**	**0.0941**		**0.0941**	**0.0941**		**281.4481**	**281.4481**	**0.0193**		**281.9309**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	0.0443	0.0304	0.3062	8.1000e-004	0.0913	6.2000e-004	0.0919	0.0242	5.7000e-004	0.0248		80.7797	80.7797	2.1500e-003		80.8335
Total	**0.0443**	**0.0304**	**0.3062**	**8.1000e-004**	**0.0913**	**6.2000e-004**	**0.0919**	**0.0242**	**5.7000e-004**	**0.0248**		**80.7797**	**80.7797**	**2.1500e-003**		**80.8335**

3.6 Architectural Coating - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	3.4608					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941	0.0000	281.4481	281.4481	0.0193		281.9309
Total	**3.6797**	**1.5268**	**1.8176**	**2.9700e-003**		**0.0941**	**0.0941**		**0.0941**	**0.0941**	**0.0000**	**281.4481**	**281.4481**	**0.0193**		**281.9309**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	0.0443	0.0304	0.3062	8.1000e-004	0.0913	6.2000e-004	0.0919	0.0242	5.7000e-004	0.0248		80.7797	80.7797	2.1500e-003		80.8335
Total	**0.0443**	**0.0304**	**0.3062**	**8.1000e-004**	**0.0913**	**6.2000e-004**	**0.0919**	**0.0242**	**5.7000e-004**	**0.0248**		**80.7797**	**80.7797**	**2.1500e-003**		**80.8335**

3.6 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	3.4608					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	**3.6654**	**1.4085**	**1.8136**	**2.9700e-003**		**0.0817**	**0.0817**		**0.0817**	**0.0817**		**281.4481**	**281.4481**	**0.0183**		**281.9062**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	0.0414	0.0273	0.2808	7.8000e-004	0.0913	6.0000e-004	0.0919	0.0242	5.5000e-004	0.0248		77.8874	77.8874	1.9300e-003		77.9357
Total	**0.0414**	**0.0273**	**0.2808**	**7.8000e-004**	**0.0913**	**6.0000e-004**	**0.0919**	**0.0242**	**5.5000e-004**	**0.0248**		**77.8874**	**77.8874**	**1.9300e-003**		**77.9357**

3.6 Architectural Coating - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	3.4608					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	**3.6654**	**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**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	0.0414	0.0273	0.2808	7.8000e-004	0.0913	6.0000e-004	0.0919	0.0242	5.5000e-004	0.0248		77.8874	77.8874	1.9300e-003		77.9357
Total	**0.0414**	**0.0273**	**0.2808**	**7.8000e-004**	**0.0913**	**6.0000e-004**	**0.0919**	**0.0242**	**5.5000e-004**	**0.0248**		**77.8874**	**77.8874**	**1.9300e-003**		**77.9357**

3.6 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	3.4608					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	**3.6525**	**1.3030**	**1.8111**	**2.9700e-003**		**0.0708**	**0.0708**		**0.0708**	**0.0708**		**281.4481**	**281.4481**	**0.0168**		**281.8690**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	0.0388	0.0246	0.2573	7.5000e-004	0.0913	5.9000e-004	0.0919	0.0242	5.4000e-004	0.0248		74.9637	74.9637	1.7300e-003		75.0068
Total	**0.0388**	**0.0246**	**0.2573**	**7.5000e-004**	**0.0913**	**5.9000e-004**	**0.0919**	**0.0242**	**5.4000e-004**	**0.0248**		**74.9637**	**74.9637**	**1.7300e-003**		**75.0068**

3.6 Architectural Coating - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	3.4608					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	**3.6525**	**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**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	0.0388	0.0246	0.2573	7.5000e-004	0.0913	5.9000e-004	0.0919	0.0242	5.4000e-004	0.0248		74.9637	74.9637	1.7300e-003		75.0068
Total	**0.0388**	**0.0246**	**0.2573**	**7.5000e-004**	**0.0913**	**5.9000e-004**	**0.0919**	**0.0242**	**5.4000e-004**	**0.0248**		**74.9637**	**74.9637**	**1.7300e-003**		**75.0068**

3.6 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	3.4608					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	**3.6416**	**1.2188**	**1.8101**	**2.9700e-003**		**0.0609**	**0.0609**		**0.0609**	**0.0609**		**281.4481**	**281.4481**	**0.0159**		**281.8443**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	0.0366	0.0222	0.2379	7.2000e-004	0.0913	5.7000e-004	0.0919	0.0242	5.3000e-004	0.0247		72.0507	72.0507	1.5500e-003		72.0896
Total	**0.0366**	**0.0222**	**0.2379**	**7.2000e-004**	**0.0913**	**5.7000e-004**	**0.0919**	**0.0242**	**5.3000e-004**	**0.0247**		**72.0507**	**72.0507**	**1.5500e-003**		**72.0896**

3.6 Architectural Coating - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	3.4608					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	**3.6416**	**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**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	0.0366	0.0222	0.2379	7.2000e-004	0.0913	5.7000e-004	0.0919	0.0242	5.3000e-004	0.0247		72.0507	72.0507	1.5500e-003		72.0896
Total	**0.0366**	**0.0222**	**0.2379**	**7.2000e-004**	**0.0913**	**5.7000e-004**	**0.0919**	**0.0242**	**5.3000e-004**	**0.0247**		**72.0507**	**72.0507**	**1.5500e-003**		**72.0896**

3.6 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	3.4608					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	**3.6317**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**		**281.4481**	**281.4481**	**0.0154**		**281.8319**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	0.0346	0.0202	0.2201	6.9000e-004	0.0913	5.6000e-004	0.0919	0.0242	5.2000e-004	0.0247		69.1672	69.1672	1.4100e-003		69.2024
Total	**0.0346**	**0.0202**	**0.2201**	**6.9000e-004**	**0.0913**	**5.6000e-004**	**0.0919**	**0.0242**	**5.2000e-004**	**0.0247**		**69.1672**	**69.1672**	**1.4100e-003**		**69.2024**

3.6 Architectural Coating - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	3.4608					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	**3.6317**	**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**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	0.0346	0.0202	0.2201	6.9000e-004	0.0913	5.6000e-004	0.0919	0.0242	5.2000e-004	0.0247		69.1672	69.1672	1.4100e-003		69.2024
Total	**0.0346**	**0.0202**	**0.2201**	**6.9000e-004**	**0.0913**	**5.6000e-004**	**0.0919**	**0.0242**	**5.2000e-004**	**0.0247**		**69.1672**	**69.1672**	**1.4100e-003**		**69.2024**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Improve Pedestrian Network

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.6869	7.6000	18.5116	0.0590	6.0066	0.0491	6.0557	1.6047	0.0457	1.6503		5,996.6899	5,996.6899	0.2853		6,003.8213
Unmitigated	1.6969	7.6607	18.7560	0.0601	6.1292	0.0499	6.1791	1.6374	0.0464	1.6838		6,107.7171	6,107.7171	0.2892		6,114.9469

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Single Family Housing	1,654.51	1,674.79	1456.78	2,813,806	2,757,530
Total	1,654.51	1,674.79	1,456.78	2,813,806	2,757,530

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
Single Family Housing	6.73	3.36	4.37	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
Single Family Housing	0.570990	0.036039	0.209774	0.110012	0.014862	0.004732	0.018347	0.024592	0.001934	0.001739	0.005654	0.000617	0.000710

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

Percent of Electricity Use Generated with Renewable 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	0.1209	1.0332	0.4397	6.6000e-003		0.0835	0.0835		0.0835	0.0835		1,319.0090	1,319.0090	0.0253	0.0242	1,326.8472
NaturalGas Unmitigated	0.1290	1.1024	0.4691	7.0400e-003		0.0891	0.0891		0.0891	0.0891		1,407.2724	1,407.2724	0.0270	0.0258	1,415.6351

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					
Single Family Housing	11961.8	0.1290	1.1024	0.4691	7.0400e-003		0.0891	0.0891		0.0891	0.0891		1,407.2724	1,407.2724	0.0270	0.0258	1,415.6351
Total		**0.1290**	**1.1024**	**0.4691**	**7.0400e-003**		**0.0891**	**0.0891**		**0.0891**	**0.0891**		**1,407.2724**	**1,407.2724**	**0.0270**	**0.0258**	**1,415.6351**

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					
Single Family Housing	11.2116	0.1209	1.0332	0.4397	6.6000e-003		0.0835	0.0835		0.0835	0.0835		1,319.0090	1,319.0090	0.0253	0.0242	1,326.8472
Total		**0.1209**	**1.0332**	**0.4397**	**6.6000e-003**		**0.0835**	**0.0835**		**0.0835**	**0.0835**		**1,319.0090**	**1,319.0090**	**0.0253**	**0.0242**	**1,326.8472**

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	7.9711	0.1605	13.9295	7.4000e-004		0.0773	0.0773		0.0773	0.0773	0.0000	25.1053	25.1053	0.0240	0.0000	25.7064
Unmitigated	7.9711	0.1605	13.9295	7.4000e-004		0.0773	0.0773		0.0773	0.0773	0.0000	25.1053	25.1053	0.0240	0.0000	25.7064

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	1.0430					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	6.5099					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	0.4182	0.1605	13.9295	7.4000e-004		0.0773	0.0773		0.0773	0.0773		25.1053	25.1053	0.0240		25.7064
Total	**7.9711**	**0.1605**	**13.9295**	**7.4000e-004**		**0.0773**	**0.0773**		**0.0773**	**0.0773**	**0.0000**	**25.1053**	**25.1053**	**0.0240**	**0.0000**	**25.7064**

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	1.0430					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	6.5099					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	0.4182	0.1605	13.9295	7.4000e-004		0.0773	0.0773		0.0773	0.0773		25.1053	25.1053	0.0240		25.7064
Total	**7.9711**	**0.1605**	**13.9295**	**7.4000e-004**		**0.0773**	**0.0773**		**0.0773**	**0.0773**	**0.0000**	**25.1053**	**25.1053**	**0.0240**	**0.0000**	**25.7064**

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

Fairway Oaks Annexation Project

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
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 Preparation	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
Cranes	Diesel	No Change	0	1	No Change	0.00
Excavators	Diesel	No Change	0	2	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	4	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	1.06680E-001	7.28610E-001	9.96750E-001	1.63000E-003	3.98300E-002	3.98300E-002	0.00000E+000	1.40429E+002	1.40429E+002	8.57000E-003	0.00000E+000	1.40643E+002
Cranes	1.73640E-001	1.90602E+000	8.97010E-001	2.80000E-003	7.91000E-002	7.27700E-002	0.00000E+000	2.46183E+002	2.46183E+002	7.96200E-002	0.00000E+000	2.48173E+002
Excavators	2.69500E-002	2.65390E-001	3.59460E-001	5.70000E-004	1.28600E-002	1.18300E-002	0.00000E+000	4.99070E+001	4.99070E+001	1.61400E-002	0.00000E+000	5.03105E+001
Forklifts	1.76160E-001	1.63840E+000	1.91170E+000	2.54000E-003	1.03360E-001	9.50900E-002	0.00000E+000	2.23595E+002	2.23595E+002	7.23200E-002	0.00000E+000	2.25403E+002
Generator Sets	1.72340E-001	1.53310E+000	2.03741E+000	3.65000E-003	7.27900E-002	7.27900E-002	0.00000E+000	3.13690E+002	3.13690E+002	1.39000E-002	0.00000E+000	3.14038E+002
Graders	2.61700E-002	3.47910E-001	9.98000E-002	3.60000E-004	1.11200E-002	1.02300E-002	0.00000E+000	3.20686E+001	3.20686E+001	1.03700E-002	0.00000E+000	3.23278E+001
Pavers	1.85300E-002	1.95490E-001	2.17830E-001	3.50000E-004	9.45000E-003	8.69000E-003	0.00000E+000	3.09626E+001	3.09626E+001	1.00100E-002	0.00000E+000	3.12129E+001
Paving Equipment	1.44600E-002	1.46320E-001	1.90580E-001	3.10000E-004	7.23000E-003	6.65000E-003	0.00000E+000	2.68386E+001	2.68386E+001	8.68000E-003	0.00000E+000	2.70556E+001
Rollers	1.42900E-002	1.44950E-001	1.41080E-001	2.00000E-004	8.88000E-003	8.17000E-003	0.00000E+000	1.72878E+001	1.72878E+001	5.59000E-003	0.00000E+000	1.74276E+001
Rubber Tired Dozers	1.24140E-001	1.30321E+000	4.75140E-001	9.80000E-004	6.38200E-002	5.87200E-002	0.00000E+000	8.63135E+001	8.63135E+001	2.79200E-002	0.00000E+000	8.70114E+001
Scrapers	1.09220E-001	1.29273E+000	8.20450E-001	1.67000E-003	5.04200E-002	4.63900E-002	0.00000E+000	1.46394E+002	1.46394E+002	4.73500E-002	0.00000E+000	1.47578E+002
Tractors/Loaders/ Backhoes	2.67790E-001	2.70844E+000	3.69454E+000	5.13000E-003	1.42440E-001	1.31050E-001	0.00000E+000	4.50303E+002	4.50303E+002	1.45640E-001	0.00000E+000	4.53944E+002
Welders	1.43870E-001	7.91670E-001	9.33780E-001	1.42000E-003	3.15500E-002	3.15500E-002	0.00000E+000	1.04462E+002	1.04462E+002	1.16800E-002	0.00000E+000	1.04754E+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	1.06680E-001	7.28610E-001	9.96750E-001	1.63000E-003	3.98300E-002	3.98300E-002	0.00000E+000	1.40429E+002	1.40429E+002	8.57000E-003	0.00000E+000	1.40643E+002
Cranes	1.73640E-001	1.90602E+000	8.97010E-001	2.80000E-003	7.91000E-002	7.27700E-002	0.00000E+000	2.46183E+002	2.46183E+002	7.96200E-002	0.00000E+000	2.48173E+002
Excavators	2.69500E-002	2.65390E-001	3.59460E-001	5.70000E-004	1.28600E-002	1.18300E-002	0.00000E+000	4.99069E+001	4.99069E+001	1.61400E-002	0.00000E+000	5.03104E+001
Forklifts	1.76160E-001	1.63839E+000	1.91170E+000	2.54000E-003	1.03360E-001	9.50900E-002	0.00000E+000	2.23595E+002	2.23595E+002	7.23200E-002	0.00000E+000	2.25403E+002
Generator Sets	1.72340E-001	1.53310E+000	2.03741E+000	3.65000E-003	7.27900E-002	7.27900E-002	0.00000E+000	3.13690E+002	3.13690E+002	1.39000E-002	0.00000E+000	3.14037E+002
Graders	2.61700E-002	3.47900E-001	9.98000E-002	3.60000E-004	1.11200E-002	1.02300E-002	0.00000E+000	3.20685E+001	3.20685E+001	1.03700E-002	0.00000E+000	3.23278E+001
Pavers	1.85300E-002	1.95490E-001	2.17830E-001	3.50000E-004	9.45000E-003	8.69000E-003	0.00000E+000	3.09626E+001	3.09626E+001	1.00100E-002	0.00000E+000	3.12129E+001
Paving Equipment	1.44600E-002	1.46320E-001	1.90580E-001	3.10000E-004	7.23000E-003	6.65000E-003	0.00000E+000	2.68386E+001	2.68386E+001	8.68000E-003	0.00000E+000	2.70556E+001
Rollers	1.42900E-002	1.44950E-001	1.41080E-001	2.00000E-004	8.88000E-003	8.17000E-003	0.00000E+000	1.72878E+001	1.72878E+001	5.59000E-003	0.00000E+000	1.74276E+001
Rubber Tired Dozers	1.24140E-001	1.30321E+000	4.75130E-001	9.80000E-004	6.38200E-002	5.87200E-002	0.00000E+000	8.63134E+001	8.63134E+001	2.79200E-002	0.00000E+000	8.70113E+001
Scrapers	1.09220E-001	1.29273E+000	8.20440E-001	1.67000E-003	5.04200E-002	4.63900E-002	0.00000E+000	1.46394E+002	1.46394E+002	4.73500E-002	0.00000E+000	1.47577E+002
Tractors/Loaders/Backhoes	2.67790E-001	2.70844E+000	3.69454E+000	5.13000E-003	1.42440E-001	1.31050E-001	0.00000E+000	4.50302E+002	4.50302E+002	1.45640E-001	0.00000E+000	4.53943E+002
Welders	1.43870E-001	7.91670E-001	9.33780E-001	1.42000E-003	3.15500E-002	3.15500E-002	0.00000E+000	1.04462E+002	1.04462E+002	1.16800E-002	0.00000E+000	1.04754E+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	1.21058E-006	1.21058E-006	0.00000E+000	0.00000E+000	1.20873E-006
Cranes	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.17799E-006	1.17799E-006	0.00000E+000	0.00000E+000	1.16854E-006
Excavators	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.20224E-006	1.20224E-006	0.00000E+000	0.00000E+000	1.19259E-006
Forklifts	0.00000E+000	6.10352E-006	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.16282E-006	1.16282E-006	0.00000E+000	0.00000E+000	1.19785E-006
Generator Sets	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.21139E-006	1.21139E-006	0.00000E+000	0.00000E+000	1.17820E-006
Graders	0.00000E+000	2.87431E-005	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.24733E-006	1.24733E-006	0.00000E+000	0.00000E+000	1.23732E-006
Pavers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.29188E-006	1.29188E-006	0.00000E+000	0.00000E+000	9.61140E-007
Paving Equipment	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.11779E-006	1.11779E-006	0.00000E+000	0.00000E+000	1.10883E-006
Rollers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.73532E-006	1.73532E-006	0.00000E+000	0.00000E+000	1.14760E-006
Rubber Tired Dozers	0.00000E+000	0.00000E+000	2.10464E-005	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.27442E-006	1.27442E-006	0.00000E+000	0.00000E+000	1.26420E-006
Scrapers	0.00000E+000	0.00000E+000	1.21884E-005	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.16125E-006	1.16125E-006	0.00000E+000	0.00000E+000	1.21970E-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	1.19919E-006	1.19919E-006	0.00000E+000	0.00000E+000	1.18958E-006
Welders	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.24447E-006	1.24447E-006	0.00000E+000	0.00000E+000	1.14554E-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	0.05	0.01	0.05	0.01	0.00	0.00
Building Construction	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Building Construction	Roads	0.31	0.08	0.31	0.08	0.00	0.00
Grading	Fugitive Dust	0.48	0.20	0.48	0.20	0.00	0.00
Grading	Roads	0.01	0.00	0.01	0.00	0.00	0.00
Paving	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Paving	Roads	0.00	0.00	0.00	0.00	0.00	0.00
Site Preparation	Fugitive Dust	0.36	0.20	0.36	0.20	0.00	0.00
Site Preparation	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	100.00	100.00	100.00	100.00	100.00
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	0.54	0.77	1.40	1.84	1.60	1.60	0.00	1.81	1.81	1.42	0.00	1.81
Natural Gas	6.24	6.27	6.27	6.25	6.27	6.27	0.00	6.27	6.27	6.26	6.32	6.27
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			
No	Land Use	Increase Diversity	-0.01	0.13		
No	Land Use	Improve Walkability Design	0.00			
No	Land Use	Improve Destination Accessibility	0.00			
No	Land Use	Increase Transit Accessibility	0.25			
No	Land Use	Integrate Below Market Rate Housing	0.00			
	Land Use	Land Use SubTotal	0.00			

Yes	Neighborhood Enhancements	Improve Pedestrian Network	2.00	Project Site and Connecting Off-Site		
No	Neighborhood Enhancements	Provide Traffic Calming Measures				
No	Neighborhood Enhancements	Implement NEV Network	0.00			
	Neighborhood Enhancements	Neighborhood Enhancements Subtotal	0.02			
No	Parking Policy Pricing	Limit Parking Supply	0.00			
No	Parking Policy Pricing	Unbundle Parking Costs	0.00			
No	Parking Policy Pricing	On-street Market Pricing	0.00			
	Parking Policy Pricing	Parking Policy Pricing Subtotal	0.00			
No	Transit Improvements	Provide BRT System	0.00			
No	Transit Improvements	Expand Transit Network	0.00			
No	Transit Improvements	Increase Transit Frequency	0.00			
	Transit Improvements	Transit Improvements Subtotal	0.00			
		Land Use and Site Enhancement Subtotal	0.02			
No	Commute	Implement Trip Reduction Program				
No	Commute	Transit Subsidy				
No	Commute	Implement Employee Parking "Cash Out"	3.00			
No	Commute	Workplace Parking Charge				
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	0.02			

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
Yes	Exceed Title 24	7.00	
No	Install High Efficiency Lighting		
Yes	On-site Renewable		100.00

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	