

APPENDIX F

Air Quality and Greenhouse Gas Emissions Analysis

Crows Landing_Phase 1 - Stanislaus County, Annual

**Crows Landing_Phase 1
Stanislaus County, Annual**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Office Park	578.00	1000sqft	38.00	578,000.00	0
General Light Industry	6,447.00	1000sqft	370.00	6,447,000.00	0
General Light Industry	2,311.00	1000sqft	152.00	2,311,000.00	0
Refrigerated Warehouse-No Rail	2,889.00	1000sqft	190.00	2,889,000.00	0
Unrefrigerated Warehouse-No Rail	802.00	1000sqft	46.00	802,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	46
Climate Zone	3			Operational Year	2045
Utility Company	User Defined				
CO2 Intensity (lb/MW hr)	0	CH4 Intensity (lb/MW hr)	0	N2O Intensity (lb/MW hr)	0

1.3 User Entered Comments & Non-Default Data

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Project Characteristics -

Land Use - PD

Construction Phase - Assumed infrastructure is all front-loaded

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment - Assumed trenching phase

Grading - Grading for drainage; site preparation for entire site

Architectural Coating -

Vehicle Trips -

Area Coating -

Energy Use -

Construction Off-road Equipment Mitigation - Potential Tier 4 mitigation

Trips and VMT -

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00

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tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	10.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	13.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	880.00	139.00
tblConstructionPhase	NumDays	12,400.00	1,956.00
tblConstructionPhase	NumDays	1,240.00	196.00
tblConstructionPhase	NumDays	880.00	139.00
tblConstructionPhase	NumDays	480.00	76.00
tblGrading	AcresOfGrading	490.00	40.00
tblGrading	AcresOfGrading	0.00	835.00
tblLandUse	LotAcreage	13.27	38.00
tblLandUse	LotAcreage	53.05	152.00

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tblLandUse	LotAcreage	148.00	370.00
tblLandUse	LotAcreage	66.32	190.00
tblLandUse	LotAcreage	18.41	46.00

2.0 Emissions Summary

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2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2019	0.4770	5.3518	3.3628	6.2900e-003	0.6317	0.2337	0.8654	0.3321	0.2150	0.5471	0.0000	565.1739	565.1739	0.1734	0.0000	569.5085
2020	93.2946	21.2986	18.5392	0.0721	5.0720	0.3745	5.4464	1.4916	0.3494	1.8409	0.0000	6,653.8450	6,653.8450	0.5155	0.0000	6,666.7330
2021	4.0250	35.1419	27.9571	0.1368	7.4884	0.2506	7.7390	2.0329	0.2362	2.2690	0.0000	12,712.8136	12,712.8136	0.8291	0.0000	12,733.5398
2022	3.7115	33.0173	25.6268	0.1336	7.4596	0.2178	7.6774	2.0250	0.2052	2.2303	0.0000	12,416.0491	12,416.0491	0.7882	0.0000	12,435.7549
2023	3.2594	26.3645	23.1160	0.1297	7.4595	0.1534	7.6128	2.0250	0.1439	2.1689	0.0000	12,057.7782	12,057.7782	0.6022	0.0000	12,072.8343
2024	3.0843	26.0984	21.7212	0.1281	7.5167	0.1420	7.6587	2.0405	0.1331	2.1736	0.0000	11,918.0409	11,918.0409	0.5971	0.0000	11,932.9693
2025	2.8963	25.5429	20.2002	0.1251	7.4879	0.1291	7.6170	2.0327	0.1210	2.1537	0.0000	11,644.5809	11,644.5809	0.5850	0.0000	11,659.2046
2026	2.7539	25.2353	18.9098	0.1229	7.4878	0.1275	7.6153	2.0326	0.1195	2.1521	0.0000	11,445.1938	11,445.1938	0.5763	0.0000	11,459.6013
2027	2.6194	24.9362	17.8394	0.1209	7.4877	0.1253	7.6130	2.0326	0.1175	2.1501	0.0000	11,262.2246	11,262.2246	0.5696	0.0000	11,276.4638
2028	0.1427	1.4196	0.9721	6.8500e-003	0.4303	7.0500e-003	0.4374	0.1168	6.6200e-003	0.1234	0.0000	638.1001	638.1001	0.0323	0.0000	638.9068
Maximum	93.2946	35.1419	27.9571	0.1368	7.5167	0.3745	7.7390	2.0405	0.3494	2.2690	0.0000	12,712.8136	12,712.8136	0.8291	0.0000	12,733.5398

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Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-1-2019	3-31-2019	1.9106	0.1364
2	4-1-2019	6-30-2019	1.9316	0.1377
3	7-1-2019	9-30-2019	1.9528	0.1392
4	10-1-2019	12-31-2019	0.0265	0.0068
5	1-1-2020	3-31-2020	0.0048	0.0048
6	4-1-2020	6-30-2020	41.8946	39.0706
7	7-1-2020	9-30-2020	52.4780	50.8468
8	10-1-2020	12-31-2020	20.4717	19.7438
9	1-1-2021	3-31-2021	9.7236	9.1845
10	4-1-2021	6-30-2021	9.7168	9.1718
11	7-1-2021	9-30-2021	9.8236	9.2726
12	10-1-2021	12-31-2021	9.9397	9.3886
13	1-1-2022	3-31-2022	9.1479	8.6735
14	4-1-2022	6-30-2022	9.1529	8.6732
15	7-1-2022	9-30-2022	9.2535	8.7685
16	10-1-2022	12-31-2022	9.3512	8.8662
17	1-1-2023	3-31-2023	7.3866	6.9561
18	4-1-2023	6-30-2023	7.4087	6.9733
19	7-1-2023	9-30-2023	7.4901	7.0500
20	10-1-2023	12-31-2023	7.5508	7.1106
21	1-1-2024	3-31-2024	7.2967	6.8952
22	4-1-2024	6-30-2024	7.2408	6.8394
23	7-1-2024	9-30-2024	7.3204	6.9145
24	10-1-2024	12-31-2024	7.3769	6.9710
25	1-1-2025	3-31-2025	7.0557	6.6933
26	4-1-2025	6-30-2025	7.0821	6.7157

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27	7-1-2025	9-30-2025	7.1599	6.7895
28	10-1-2025	12-31-2025	7.2125	6.8421
29	1-1-2026	3-31-2026	6.9407	6.5783
30	4-1-2026	6-30-2026	6.9686	6.6022
31	7-1-2026	9-30-2026	7.0452	6.6748
32	10-1-2026	12-31-2026	7.0950	6.7245
33	1-1-2027	3-31-2027	6.8298	6.4674
34	4-1-2027	6-30-2027	6.8596	6.4932
35	7-1-2027	9-30-2027	6.9350	6.5645
36	10-1-2027	12-31-2027	6.9816	6.6112
37	1-1-2028	3-31-2028	1.5714	1.4868
		Highest	52.4780	50.8468

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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	59.9449	1.0700e-003	0.1189	1.0000e-005		4.2000e-004	4.2000e-004		4.2000e-004	4.2000e-004	0.0000	0.2328	0.2328	6.0000e-004	0.0000	0.2478
Energy	1.1371	10.3373	8.6833	0.0620		0.7856	0.7856		0.7856	0.7856	0.0000	11,253.3497	11,253.3497	0.2157	0.2063	11,320.2228
Mobile	7.7514	116.8319	86.2959	0.7346	62.5356	0.2472	62.7827	16.7817	0.2318	17.0135	0.0000	68,486.6439	68,486.6439	3.4037	0.0000	68,571.7352
Waste						0.0000	0.0000		0.0000	0.0000	3,017.8666	0.0000	3,017.8666	178.3508	0.0000	7,476.6369
Water						0.0000	0.0000		0.0000	0.0000	945.9119	0.0000	945.9119	97.1542	2.2940	4,058.3858
Total	68.8333	127.1702	95.0981	0.7966	62.5356	1.0332	63.5688	16.7817	1.0179	17.7996	3,963.7785	79,740.2264	83,704.0049	279.1250	2.5003	91,427.2284

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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	59.9449	1.0700e-003	0.1189	1.0000e-005		4.2000e-004	4.2000e-004		4.2000e-004	4.2000e-004	0.0000	0.2328	0.2328	6.0000e-004	0.0000	0.2478
Energy	1.1371	10.3373	8.6833	0.0620		0.7856	0.7856		0.7856	0.7856	0.0000	11,253.3497	11,253.3497	0.2157	0.2063	11,320.2228
Mobile	7.7514	116.8319	86.2959	0.7346	62.5356	0.2472	62.7827	16.7817	0.2318	17.0135	0.0000	68,486.6439	68,486.6439	3.4037	0.0000	68,571.7352
Waste						0.0000	0.0000		0.0000	0.0000	3,017.8666	0.0000	3,017.8666	178.3508	0.0000	7,476.6369
Water						0.0000	0.0000		0.0000	0.0000	945.9119	0.0000	945.9119	97.1542	2.2940	4,058.3858
Total	68.8333	127.1702	95.0981	0.7966	62.5356	1.0332	63.5688	16.7817	1.0179	17.7996	3,963.7785	79,740.2264	83,704.0049	279.1250	2.5003	91,427.2284

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

3.0 Construction Detail

Construction Phase

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Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Grading	Grading	1/1/2019	10/1/2019	5	196	
2	Trenching	Trenching	10/2/2019	4/8/2020	5	136	
3	Site Preparation	Site Preparation	4/9/2020	7/23/2020	5	76	
4	Paving	Paving	4/9/2020	10/20/2020	5	139	
5	Architectural Coating	Architectural Coating	4/9/2020	10/20/2020	5	139	
6	Building Construction	Building Construction	7/24/2020	1/21/2028	5	1956	

Acres of Grading (Site Preparation Phase): 835

Acres of Grading (Grading Phase): 40

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 19,540,500; Non-Residential Outdoor: 6,513,500; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

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Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
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
Trenching	Rubber Tired Dozers	3		247	0.40
Trenching	Tractors/Loaders/Backhoes	4		97	0.37
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48
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

Trips and VMT

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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
Grading	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Trenching	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	10	25.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	10	25.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	1,083.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	5,414.00	2,135.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Grading - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.6114	0.0000	0.6114	0.3267	0.0000	0.3267	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.4644	5.3430	3.2709	6.0800e-003		0.2335	0.2335		0.2148	0.2148	0.0000	545.8729	545.8729	0.1727	0.0000	550.1906
Total	0.4644	5.3430	3.2709	6.0800e-003	0.6114	0.2335	0.8449	0.3267	0.2148	0.5415	0.0000	545.8729	545.8729	0.1727	0.0000	550.1906

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3.2 Grading - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.6600e-003	6.7700e-003	0.0708	1.6000e-004	0.0157	1.2000e-004	0.0158	4.1600e-003	1.1000e-004	4.2800e-003	0.0000	14.8644	14.8644	5.2000e-004	0.0000	14.8774
Total	9.6600e-003	6.7700e-003	0.0708	1.6000e-004	0.0157	1.2000e-004	0.0158	4.1600e-003	1.1000e-004	4.2800e-003	0.0000	14.8644	14.8644	5.2000e-004	0.0000	14.8774

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.2751	0.0000	0.2751	0.1470	0.0000	0.1470	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0746	0.3234	3.2339	6.0800e-003		9.9500e-003	9.9500e-003		9.9500e-003	9.9500e-003	0.0000	545.8723	545.8723	0.1727	0.0000	550.1900
Total	0.0746	0.3234	3.2339	6.0800e-003	0.2751	9.9500e-003	0.2851	0.1470	9.9500e-003	0.1570	0.0000	545.8723	545.8723	0.1727	0.0000	550.1900

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3.3 Trenching - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.8700e-003	1.9400e-003	0.0206	5.0000e-005	5.1100e-003	4.0000e-005	5.1400e-003	1.3600e-003	4.0000e-005	1.3900e-003	0.0000	4.6980	4.6980	1.5000e-004	0.0000	4.7016
Total	2.8700e-003	1.9400e-003	0.0206	5.0000e-005	5.1100e-003	4.0000e-005	5.1400e-003	1.3600e-003	4.0000e-005	1.3900e-003	0.0000	4.6980	4.6980	1.5000e-004	0.0000	4.7016

3.4 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					1.1293	0.0000	1.1293	0.4252	0.0000	0.4252	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.2780	2.9037	1.2885	2.4200e-003		0.1468	0.1468		0.1350	0.1350	0.0000	212.5996	212.5996	0.0688	0.0000	214.3185
Total	0.2780	2.9037	1.2885	2.4200e-003	1.1293	0.1468	1.2761	0.4252	0.1350	0.5602	0.0000	212.5996	212.5996	0.0688	0.0000	214.3185

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3.4 Site Preparation - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.5300e-003	5.7800e-003	0.0611	1.5000e-004	0.0283	1.2000e-004	0.0284	7.2600e-003	1.1000e-004	7.3700e-003	0.0000	13.9689	13.9689	4.4000e-004	0.0000	13.9798
Total	8.5300e-003	5.7800e-003	0.0611	1.5000e-004	0.0283	1.2000e-004	0.0284	7.2600e-003	1.1000e-004	7.3700e-003	0.0000	13.9689	13.9689	4.4000e-004	0.0000	13.9798

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.5082	0.0000	0.5082	0.1913	0.0000	0.1913	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0296	0.1283	1.2301	2.4200e-003		3.9500e-003	3.9500e-003		3.9500e-003	3.9500e-003	0.0000	212.5993	212.5993	0.0688	0.0000	214.3183
Total	0.0296	0.1283	1.2301	2.4200e-003	0.5082	3.9500e-003	0.5121	0.1913	3.9500e-003	0.1953	0.0000	212.5993	212.5993	0.0688	0.0000	214.3183

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3.4 Site Preparation - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.5300e-003	5.7800e-003	0.0611	1.5000e-004	0.0283	1.2000e-004	0.0284	7.2600e-003	1.1000e-004	7.3700e-003	0.0000	13.9689	13.9689	4.4000e-004	0.0000	13.9798
Total	8.5300e-003	5.7800e-003	0.0611	1.5000e-004	0.0283	1.2000e-004	0.0284	7.2600e-003	1.1000e-004	7.3700e-003	0.0000	13.9689	13.9689	4.4000e-004	0.0000	13.9798

3.5 Paving - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0943	0.9776	1.0183	1.5800e-003		0.0523	0.0523		0.0481	0.0481	0.0000	139.1961	139.1961	0.0450	0.0000	140.3216
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0943	0.9776	1.0183	1.5800e-003		0.0523	0.0523		0.0481	0.0481	0.0000	139.1961	139.1961	0.0450	0.0000	140.3216

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3.5 Paving - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.6800e-003	3.1700e-003	0.0336	8.0000e-005	8.3300e-003	6.0000e-005	8.3900e-003	2.2100e-003	6.0000e-005	2.2700e-003	0.0000	7.6645	7.6645	2.4000e-004	0.0000	7.6705
Total	4.6800e-003	3.1700e-003	0.0336	8.0000e-005	8.3300e-003	6.0000e-005	8.3900e-003	2.2100e-003	6.0000e-005	2.2700e-003	0.0000	7.6645	7.6645	2.4000e-004	0.0000	7.6705

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0195	0.0845	1.2021	1.5800e-003		2.6000e-003	2.6000e-003		2.6000e-003	2.6000e-003	0.0000	139.1960	139.1960	0.0450	0.0000	140.3214
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0195	0.0845	1.2021	1.5800e-003		2.6000e-003	2.6000e-003		2.6000e-003	2.6000e-003	0.0000	139.1960	139.1960	0.0450	0.0000	140.3214

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3.5 Paving - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.6800e-003	3.1700e-003	0.0336	8.0000e-005	8.3300e-003	6.0000e-005	8.3900e-003	2.2100e-003	6.0000e-005	2.2700e-003	0.0000	7.6645	7.6645	2.4000e-004	0.0000	7.6705
Total	4.6800e-003	3.1700e-003	0.0336	8.0000e-005	8.3300e-003	6.0000e-005	8.3900e-003	2.2100e-003	6.0000e-005	2.2700e-003	0.0000	7.6645	7.6645	2.4000e-004	0.0000	7.6705

3.6 Architectural Coating - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	90.5702					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0168	0.1170	0.1273	2.1000e-004		7.7100e-003	7.7100e-003		7.7100e-003	7.7100e-003	0.0000	17.7451	17.7451	1.3700e-003	0.0000	17.7795
Total	90.5871	0.1170	0.1273	2.1000e-004		7.7100e-003	7.7100e-003		7.7100e-003	7.7100e-003	0.0000	17.7451	17.7451	1.3700e-003	0.0000	17.7795

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3.6 Architectural Coating - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.3378	0.2291	2.4220	6.1300e-003	0.6014	4.6200e-003	0.6060	0.1599	4.2500e-003	0.1641	0.0000	553.3762	553.3762	0.0173	0.0000	553.8096
Total	0.3378	0.2291	2.4220	6.1300e-003	0.6014	4.6200e-003	0.6060	0.1599	4.2500e-003	0.1641	0.0000	553.3762	553.3762	0.0173	0.0000	553.8096

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	90.5702					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.0700e-003	8.9500e-003	0.1274	2.1000e-004		2.8000e-004	2.8000e-004		2.8000e-004	2.8000e-004	0.0000	17.7451	17.7451	1.3700e-003	0.0000	17.7794
Total	90.5723	8.9500e-003	0.1274	2.1000e-004		2.8000e-004	2.8000e-004		2.8000e-004	2.8000e-004	0.0000	17.7451	17.7451	1.3700e-003	0.0000	17.7794

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3.6 Architectural Coating - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.3378	0.2291	2.4220	6.1300e-003	0.6014	4.6200e-003	0.6060	0.1599	4.2500e-003	0.1641	0.0000	553.3762	553.3762	0.0173	0.0000	553.8096
Total	0.3378	0.2291	2.4220	6.1300e-003	0.6014	4.6200e-003	0.6060	0.1599	4.2500e-003	0.1641	0.0000	553.3762	553.3762	0.0173	0.0000	553.8096

3.7 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1219	1.1032	0.9688	1.5500e-003		0.0642	0.0642		0.0604	0.0604	0.0000	133.1757	133.1757	0.0325	0.0000	133.9880
Total	0.1219	1.1032	0.9688	1.5500e-003		0.0642	0.0642		0.0604	0.0604	0.0000	133.1757	133.1757	0.0325	0.0000	133.9880

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3.7 Building Construction - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.4623	15.0098	2.5819	0.0345	0.8123	0.0795	0.8918	0.2346	0.0761	0.3107	0.0000	3,282.6975	3,282.6975	0.2780	0.0000	3,289.6478
Worker	1.3972	0.9473	10.0172	0.0254	2.4873	0.0191	2.5064	0.6611	0.0176	0.6787	0.0000	2,288.7235	2,288.7235	0.0717	0.0000	2,290.5160
Total	1.8595	15.9571	12.5991	0.0599	3.2996	0.0986	3.3982	0.8957	0.0936	0.9894	0.0000	5,571.4210	5,571.4210	0.3497	0.0000	5,580.1639

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0189	0.1285	1.0040	1.5500e-003		2.3500e-003	2.3500e-003		2.3500e-003	2.3500e-003	0.0000	133.1756	133.1756	0.0325	0.0000	133.9878
Total	0.0189	0.1285	1.0040	1.5500e-003		2.3500e-003	2.3500e-003		2.3500e-003	2.3500e-003	0.0000	133.1756	133.1756	0.0325	0.0000	133.9878

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3.7 Building Construction - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.4623	15.0098	2.5819	0.0345	0.8123	0.0795	0.8918	0.2346	0.0761	0.3107	0.0000	3,282.6975	3,282.6975	0.2780	0.0000	3,289.6478
Worker	1.3972	0.9473	10.0172	0.0254	2.4873	0.0191	2.5064	0.6611	0.0176	0.6787	0.0000	2,288.7235	2,288.7235	0.0717	0.0000	2,290.5160
Total	1.8595	15.9571	12.5991	0.0599	3.2996	0.0986	3.3982	0.8957	0.0936	0.9894	0.0000	5,571.4210	5,571.4210	0.3497	0.0000	5,580.1639

3.7 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	0.2481	2.2749	2.1631	3.5100e-003		0.1251	0.1251		0.1176	0.1176	0.0000	302.2867	302.2867	0.0729	0.0000	304.1099
Total	0.2481	2.2749	2.1631	3.5100e-003		0.1251	0.1251		0.1176	0.1176	0.0000	302.2867	302.2867	0.0729	0.0000	304.1099

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3.7 Building Construction - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.8499	30.9509	5.0842	0.0776	1.8434	0.0834	1.9268	0.5324	0.0797	0.6121	0.0000	7,380.3007	7,380.3007	0.6100	0.0000	7,395.5516
Worker	2.9271	1.9161	20.7098	0.0557	5.6450	0.0421	5.6872	1.5005	0.0388	1.5393	0.0000	5,030.2262	5,030.2262	0.1461	0.0000	5,033.8784
Total	3.7770	32.8670	25.7940	0.1333	7.4884	0.1255	7.6139	2.0329	0.1185	2.1514	0.0000	12,410.5269	12,410.5269	0.7561	0.0000	12,429.4299

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0428	0.2916	2.2786	3.5100e-003		5.3200e-003	5.3200e-003		5.3200e-003	5.3200e-003	0.0000	302.2863	302.2863	0.0729	0.0000	304.1095
Total	0.0428	0.2916	2.2786	3.5100e-003		5.3200e-003	5.3200e-003		5.3200e-003	5.3200e-003	0.0000	302.2863	302.2863	0.0729	0.0000	304.1095

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3.7 Building Construction - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.8499	30.9509	5.0842	0.0776	1.8434	0.0834	1.9268	0.5324	0.0797	0.6121	0.0000	7,380.3007	7,380.3007	0.6100	0.0000	7,395.5516
Worker	2.9271	1.9161	20.7098	0.0557	5.6450	0.0421	5.6872	1.5005	0.0388	1.5393	0.0000	5,030.2262	5,030.2262	0.1461	0.0000	5,033.8784
Total	3.7770	32.8670	25.7940	0.1333	7.4884	0.1255	7.6139	2.0329	0.1185	2.1514	0.0000	12,410.5269	12,410.5269	0.7561	0.0000	12,429.4299

3.7 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

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3.7 Building Construction - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.7879	29.2816	4.6863	0.0766	1.8362	0.0720	1.9082	0.5303	0.0689	0.5992	0.0000	7,282.4476	7,282.4476	0.5859	0.0000	7,297.0959
Worker	2.7018	1.7057	18.8133	0.0535	5.6234	0.0406	5.6640	1.4947	0.0374	1.5321	0.0000	4,832.3587	4,832.3587	0.1301	0.0000	4,835.6119
Total	3.4897	30.9873	23.4996	0.1301	7.4596	0.1126	7.5722	2.0250	0.1063	2.1313	0.0000	12,114.8063	12,114.8063	0.7161	0.0000	12,132.7078

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0426	0.2905	2.2698	3.5000e-003		5.3000e-003	5.3000e-003		5.3000e-003	5.3000e-003	0.0000	301.2425	301.2425	0.0722	0.0000	303.0467
Total	0.0426	0.2905	2.2698	3.5000e-003		5.3000e-003	5.3000e-003		5.3000e-003	5.3000e-003	0.0000	301.2425	301.2425	0.0722	0.0000	303.0467

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3.7 Building Construction - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.7879	29.2816	4.6863	0.0766	1.8362	0.0720	1.9082	0.5303	0.0689	0.5992	0.0000	7,282.4476	7,282.4476	0.5859	0.0000	7,297.0959
Worker	2.7018	1.7057	18.8133	0.0535	5.6234	0.0406	5.6640	1.4947	0.0374	1.5321	0.0000	4,832.3587	4,832.3587	0.1301	0.0000	4,835.6119
Total	3.4897	30.9873	23.4996	0.1301	7.4596	0.1126	7.5722	2.0250	0.1063	2.1313	0.0000	12,114.8063	12,114.8063	0.7161	0.0000	12,132.7078

3.7 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

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3.7 Building Construction - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.5463	22.9681	3.8445	0.0747	1.8361	0.0229	1.8590	0.5303	0.0219	0.5522	0.0000	7,104.7306	7,104.7306	0.4143	0.0000	7,115.0889
Worker	2.5087	1.5264	17.1598	0.0515	5.6234	0.0395	5.6629	1.4947	0.0364	1.5311	0.0000	4,651.7015	4,651.7015	0.1162	0.0000	4,654.6070
Total	3.0550	24.4945	21.0043	0.1262	7.4595	0.0624	7.5219	2.0250	0.0583	2.0833	0.0000	11,756.4321	11,756.4321	0.5306	0.0000	11,769.6960

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0426	0.2905	2.2698	3.5000e-003		5.3000e-003	5.3000e-003		5.3000e-003	5.3000e-003	0.0000	301.3458	301.3458	0.0717	0.0000	303.1380
Total	0.0426	0.2905	2.2698	3.5000e-003		5.3000e-003	5.3000e-003		5.3000e-003	5.3000e-003	0.0000	301.3458	301.3458	0.0717	0.0000	303.1380

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Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.5463	22.9681	3.8445	0.0747	1.8361	0.0229	1.8590	0.5303	0.0219	0.5522	0.0000	7,104.7306	7,104.7306	0.4143	0.0000	7,115.0889
Worker	2.5087	1.5264	17.1598	0.0515	5.6234	0.0395	5.6629	1.4947	0.0364	1.5311	0.0000	4,651.7015	4,651.7015	0.1162	0.0000	4,654.6070
Total	3.0550	24.4945	21.0043	0.1262	7.4595	0.0624	7.5219	2.0250	0.0583	2.0833	0.0000	11,756.4321	11,756.4321	0.5306	0.0000	11,769.6960

3.7 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

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3.7 Building Construction - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.5343	22.9552	3.6683	0.0747	1.8501	0.0227	1.8728	0.5343	0.0217	0.5560	0.0000	7,106.7761	7,106.7761	0.4200	0.0000	7,117.2750
Worker	2.3572	1.3820	15.9351	0.0499	5.6667	0.0390	5.7056	1.5062	0.0359	1.5421	0.0000	4,507.5425	4,507.5425	0.1054	0.0000	4,510.1765
Total	2.8915	24.3373	19.6034	0.1246	7.5167	0.0617	7.5784	2.0405	0.0576	2.0981	0.0000	11,614.3185	11,614.3185	0.5253	0.0000	11,627.4515

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0429	0.2928	2.2873	3.5300e-003		5.3400e-003	5.3400e-003		5.3400e-003	5.3400e-003	0.0000	303.7220	303.7220	0.0718	0.0000	305.5175
Total	0.0429	0.2928	2.2873	3.5300e-003		5.3400e-003	5.3400e-003		5.3400e-003	5.3400e-003	0.0000	303.7220	303.7220	0.0718	0.0000	305.5175

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Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.5343	22.9552	3.6683	0.0747	1.8501	0.0227	1.8728	0.5343	0.0217	0.5560	0.0000	7,106.7761	7,106.7761	0.4200	0.0000	7,117.2750
Worker	2.3572	1.3820	15.9351	0.0499	5.6667	0.0390	5.7056	1.5062	0.0359	1.5421	0.0000	4,507.5425	4,507.5425	0.1054	0.0000	4,510.1765
Total	2.8915	24.3373	19.6034	0.1246	7.5167	0.0617	7.5784	2.0405	0.0576	2.0981	0.0000	11,614.3185	11,614.3185	0.5253	0.0000	11,627.4515

3.7 Building Construction - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1785	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6549	302.6549	0.0711	0.0000	304.4335
Total	0.1785	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6549	302.6549	0.0711	0.0000	304.4335

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3.7 Building Construction - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.5190	22.6726	3.4961	0.0739	1.8429	0.0223	1.8652	0.5322	0.0213	0.5535	0.0000	7,030.484 4	7,030.484 4	0.4192	0.0000	7,040.965 4
Worker	2.1989	1.2430	14.6052	0.0477	5.6450	0.0380	5.6830	1.5005	0.0350	1.5354	0.0000	4,311.441 5	4,311.441 5	0.0946	0.0000	4,313.805 7
Total	2.7179	23.9156	18.1012	0.1216	7.4879	0.0603	7.5482	2.0327	0.0563	2.0889	0.0000	11,341.92 60	11,341.92 60	0.5138	0.0000	11,354.77 11

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0428	0.2916	2.2786	3.5200e-003		5.3200e-003	5.3200e-003		5.3200e-003	5.3200e-003	0.0000	302.6545	302.6545	0.0711	0.0000	304.4331
Total	0.0428	0.2916	2.2786	3.5200e-003		5.3200e-003	5.3200e-003		5.3200e-003	5.3200e-003	0.0000	302.6545	302.6545	0.0711	0.0000	304.4331

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Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.5190	22.6726	3.4961	0.0739	1.8429	0.0223	1.8652	0.5322	0.0213	0.5535	0.0000	7,030.4844	7,030.4844	0.4192	0.0000	7,040.9654
Worker	2.1989	1.2430	14.6052	0.0477	5.6450	0.0380	5.6830	1.5005	0.0350	1.5354	0.0000	4,311.4415	4,311.4415	0.0946	0.0000	4,313.8057
Total	2.7179	23.9156	18.1012	0.1216	7.4879	0.0603	7.5482	2.0327	0.0563	2.0889	0.0000	11,341.9260	11,341.9260	0.5138	0.0000	11,354.7711

3.7 Building Construction - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1785	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6549	302.6549	0.0711	0.0000	304.4335
Total	0.1785	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6549	302.6549	0.0711	0.0000	304.4335

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3.7 Building Construction - 2026

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.5078	22.4775	3.3753	0.0735	1.8428	0.0219	1.8647	0.5322	0.0210	0.5531	0.0000	6,986.1466	6,986.1466	0.4199	0.0000	6,996.6447
Worker	2.0676	1.1305	13.4355	0.0460	5.6450	0.0367	5.6817	1.5005	0.0338	1.5342	0.0000	4,156.3923	4,156.3923	0.0852	0.0000	4,158.5231
Total	2.5754	23.6080	16.8108	0.1194	7.4878	0.0586	7.5464	2.0326	0.0547	2.0874	0.0000	11,142.5389	11,142.5389	0.5052	0.0000	11,155.1678

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0428	0.2916	2.2786	3.5200e-003		5.3200e-003	5.3200e-003		5.3200e-003	5.3200e-003	0.0000	302.6545	302.6545	0.0711	0.0000	304.4331
Total	0.0428	0.2916	2.2786	3.5200e-003		5.3200e-003	5.3200e-003		5.3200e-003	5.3200e-003	0.0000	302.6545	302.6545	0.0711	0.0000	304.4331

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3.7 Building Construction - 2026

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.5078	22.4775	3.3753	0.0735	1.8428	0.0219	1.8647	0.5322	0.0210	0.5531	0.0000	6,986.1466	6,986.1466	0.4199	0.0000	6,996.6447
Worker	2.0676	1.1305	13.4355	0.0460	5.6450	0.0367	5.6817	1.5005	0.0338	1.5342	0.0000	4,156.3923	4,156.3923	0.0852	0.0000	4,158.5231
Total	2.5754	23.6080	16.8108	0.1194	7.4878	0.0586	7.5464	2.0326	0.0547	2.0874	0.0000	11,142.5389	11,142.5389	0.5052	0.0000	11,155.1678

3.7 Building Construction - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1785	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6549	302.6549	0.0711	0.0000	304.4335
Total	0.1785	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6549	302.6549	0.0711	0.0000	304.4335

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3.7 Building Construction - 2027

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.4981	22.2796	3.2715	0.0730	1.8427	0.0216	1.8642	0.5321	0.0206	0.5527	0.0000	6,947.0244	6,947.0244	0.4211	0.0000	6,957.5521
Worker	1.9428	1.0293	12.4689	0.0444	5.6450	0.0349	5.6799	1.5005	0.0321	1.5326	0.0000	4,012.5453	4,012.5453	0.0773	0.0000	4,014.4783
Total	2.4409	23.3089	15.7403	0.1174	7.4877	0.0564	7.5441	2.0326	0.0527	2.0853	0.0000	10,959.5697	10,959.5697	0.4984	0.0000	10,972.0303

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0428	0.2916	2.2786	3.5200e-003		5.3200e-003	5.3200e-003		5.3200e-003	5.3200e-003	0.0000	302.6545	302.6545	0.0711	0.0000	304.4331
Total	0.0428	0.2916	2.2786	3.5200e-003		5.3200e-003	5.3200e-003		5.3200e-003	5.3200e-003	0.0000	302.6545	302.6545	0.0711	0.0000	304.4331

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3.7 Building Construction - 2027

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.4981	22.2796	3.2715	0.0730	1.8427	0.0216	1.8642	0.5321	0.0206	0.5527	0.0000	6,947.024 4	6,947.024 4	0.4211	0.0000	6,957.552 1
Worker	1.9428	1.0293	12.4689	0.0444	5.6450	0.0349	5.6799	1.5005	0.0321	1.5326	0.0000	4,012.545 3	4,012.545 3	0.0773	0.0000	4,014.478 3
Total	2.4409	23.3089	15.7403	0.1174	7.4877	0.0564	7.5441	2.0326	0.0527	2.0853	0.0000	10,959.56 97	10,959.56 97	0.4984	0.0000	10,972.03 03

3.7 Building Construction - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0103	0.0935	0.1206	2.0000e-004		3.9600e-003	3.9600e-003		3.7200e-003	3.7200e-003	0.0000	17.3940	17.3940	4.0900e-003	0.0000	17.4962
Total	0.0103	0.0935	0.1206	2.0000e-004		3.9600e-003	3.9600e-003		3.7200e-003	3.7200e-003	0.0000	17.3940	17.3940	4.0900e-003	0.0000	17.4962

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3.7 Building Construction - 2028

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0282	1.2721	0.1834	4.1800e-003	0.1059	1.2200e-003	0.1071	0.0306	1.1700e-003	0.0318	0.0000	397.4464	397.4464	0.0241	0.0000	398.0495
Worker	0.1043	0.0540	0.6681	2.4700e-003	0.3244	1.8700e-003	0.3263	0.0862	1.7200e-003	0.0880	0.0000	223.2598	223.2598	4.0500e-003	0.0000	223.3611
Total	0.1325	1.3261	0.8514	6.6500e-003	0.4303	3.0900e-003	0.4334	0.1168	2.8900e-003	0.1197	0.0000	620.7062	620.7062	0.0282	0.0000	621.4106

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	2.4600e-003	0.0168	0.1310	2.0000e-004		3.1000e-004	3.1000e-004		3.1000e-004	3.1000e-004	0.0000	17.3939	17.3939	4.0900e-003	0.0000	17.4962
Total	2.4600e-003	0.0168	0.1310	2.0000e-004		3.1000e-004	3.1000e-004		3.1000e-004	3.1000e-004	0.0000	17.3939	17.3939	4.0900e-003	0.0000	17.4962

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3.7 Building Construction - 2028

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0282	1.2721	0.1834	4.1800e-003	0.1059	1.2200e-003	0.1071	0.0306	1.1700e-003	0.0318	0.0000	397.4464	397.4464	0.0241	0.0000	398.0495
Worker	0.1043	0.0540	0.6681	2.4700e-003	0.3244	1.8700e-003	0.3263	0.0862	1.7200e-003	0.0880	0.0000	223.2598	223.2598	4.0500e-003	0.0000	223.3611
Total	0.1325	1.3261	0.8514	6.6500e-003	0.4303	3.0900e-003	0.4334	0.1168	2.8900e-003	0.1197	0.0000	620.7062	620.7062	0.0282	0.0000	621.4106

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	7.7514	116.8319	86.2959	0.7346	62.5356	0.2472	62.7827	16.7817	0.2318	17.0135	0.0000	68,486.64 39	68,486.64 39	3.4037	0.0000	68,571.73 52
Unmitigated	7.7514	116.8319	86.2959	0.7346	62.5356	0.2472	62.7827	16.7817	0.2318	17.0135	0.0000	68,486.64 39	68,486.64 39	3.4037	0.0000	68,571.73 52

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	44,935.59	8,510.04	4383.96	99,084,851	99,084,851
General Light Industry	16,107.67	3,050.52	1571.48	35,518,084	35,518,084
Office Park	6,600.76	947.92	439.28	12,313,193	12,313,193
Refrigerated Warehouse-No Rail	4,853.52	4,853.52	4853.52	14,169,906	14,169,906
Unrefrigerated Warehouse-No Rail	1,347.36	1,347.36	1347.36	3,933,633	3,933,633
Total	73,844.90	18,709.36	12,595.60	165,019,667	165,019,667

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	9.50	7.30	7.30	59.00	28.00	13.00	92	5	3
General Light Industry	9.50	7.30	7.30	59.00	28.00	13.00	92	5	3
Office Park	9.50	7.30	7.30	33.00	48.00	19.00	82	15	3
Refrigerated Warehouse-No	9.50	7.30	7.30	59.00	0.00	41.00	92	5	3
Unrefrigerated Warehouse-No	9.50	7.30	7.30	59.00	0.00	41.00	92	5	3

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4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.563336	0.028772	0.182262	0.087992	0.007827	0.003289	0.025976	0.093152	0.001800	0.000871	0.003777	0.000531	0.000415
Office Park	0.563336	0.028772	0.182262	0.087992	0.007827	0.003289	0.025976	0.093152	0.001800	0.000871	0.003777	0.000531	0.000415
Refrigerated Warehouse-No Rail	0.563336	0.028772	0.182262	0.087992	0.007827	0.003289	0.025976	0.093152	0.001800	0.000871	0.003777	0.000531	0.000415
Unrefrigerated Warehouse-No Rail	0.563336	0.028772	0.182262	0.087992	0.007827	0.003289	0.025976	0.093152	0.001800	0.000871	0.003777	0.000531	0.000415

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	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	0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Mitigated	1.1371	10.3373	8.6833	0.0620		0.7856	0.7856		0.7856	0.7856	0.0000	11,253.3497	11,253.3497	0.2157	0.2063	11,320.2228
NaturalGas Unmitigated	1.1371	10.3373	8.6833	0.0620		0.7856	0.7856		0.7856	0.7856	0.0000	11,253.3497	11,253.3497	0.2157	0.2063	11,320.2228

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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					
General Light Industry	1.34549e+008	0.7255	6.5955	5.5403	0.0396		0.5013	0.5013		0.5013	0.5013	0.0000	7,180.0412	7,180.0412	0.1376	0.1316	7,222.7086
General Light Industry	4.82306e+007	0.2601	2.3642	1.9860	0.0142		0.1797	0.1797		0.1797	0.1797	0.0000	2,573.7669	2,573.7669	0.0493	0.0472	2,589.0615
Office Park	1.31668e+007	0.0710	0.6454	0.5422	3.8700e-003		0.0491	0.0491		0.0491	0.0491	0.0000	702.6327	702.6327	0.0135	0.0129	706.8081
Refrigerated Warehouse-No Rail	433350	2.3400e-003	0.0212	0.0178	1.3000e-004		1.6100e-003	1.6100e-003		1.6100e-003	1.6100e-003	0.0000	23.1252	23.1252	4.4000e-004	4.2000e-004	23.2626
Unrefrigerated Warehouse-No Rail	1.45002e+007	0.0782	0.7108	0.5971	4.2600e-003		0.0540	0.0540		0.0540	0.0540	0.0000	773.7838	773.7838	0.0148	0.0142	778.3820
Total		1.1371	10.3372	8.6833	0.0620		0.7856	0.7856		0.7856	0.7856	0.0000	11,253.3497	11,253.3497	0.2157	0.2063	11,320.2228

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5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
General Light Industry	4.82306e+007	0.2601	2.3642	1.9860	0.0142		0.1797	0.1797		0.1797	0.1797	0.0000	2,573.7669	2,573.7669	0.0493	0.0472	2,589.0615
General Light Industry	1.34549e+008	0.7255	6.5955	5.5403	0.0396		0.5013	0.5013		0.5013	0.5013	0.0000	7,180.0412	7,180.0412	0.1376	0.1316	7,222.7086
Office Park	1.31668e+007	0.0710	0.6454	0.5422	3.8700e-003		0.0491	0.0491		0.0491	0.0491	0.0000	702.6327	702.6327	0.0135	0.0129	706.8081
Refrigerated Warehouse-No Rail	433350	2.3400e-003	0.0212	0.0178	1.3000e-004		1.6100e-003	1.6100e-003		1.6100e-003	1.6100e-003	0.0000	23.1252	23.1252	4.4000e-004	4.2000e-004	23.2626
Unrefrigerated Warehouse-No Rail	1.45002e+007	0.0782	0.7108	0.5971	4.2600e-003		0.0540	0.0540		0.0540	0.0540	0.0000	773.7838	773.7838	0.0148	0.0142	778.3820
Total		1.1371	10.3372	8.6833	0.0620		0.7856	0.7856		0.7856	0.7856	0.0000	11,253.3497	11,253.3497	0.2157	0.2063	11,320.2228

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5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Light Industry	2.0383e+007	0.0000	0.0000	0.0000	0.0000
General Light Industry	5.68625e+007	0.0000	0.0000	0.0000	0.0000
Office Park	6.73948e+006	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	7.1965e+007	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	7.53078e+006	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

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5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Light Industry	2.0383e+007	0.0000	0.0000	0.0000	0.0000
General Light Industry	5.68625e+007	0.0000	0.0000	0.0000	0.0000
Office Park	6.73948e+006	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	7.1965e+007	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	7.53078e+006	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

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	59.9449	1.0700e-003	0.1189	1.0000e-005		4.2000e-004	4.2000e-004		4.2000e-004	4.2000e-004	0.0000	0.2328	0.2328	6.0000e-004	0.0000	0.2478
Unmitigated	59.9449	1.0700e-003	0.1189	1.0000e-005		4.2000e-004	4.2000e-004		4.2000e-004	4.2000e-004	0.0000	0.2328	0.2328	6.0000e-004	0.0000	0.2478

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	9.0570					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	50.8770					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0109	1.0700e-003	0.1189	1.0000e-005		4.2000e-004	4.2000e-004		4.2000e-004	4.2000e-004	0.0000	0.2328	0.2328	6.0000e-004	0.0000	0.2478
Total	59.9449	1.0700e-003	0.1189	1.0000e-005		4.2000e-004	4.2000e-004		4.2000e-004	4.2000e-004	0.0000	0.2328	0.2328	6.0000e-004	0.0000	0.2478

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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	9.0570					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	50.8770					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0109	1.0700e-003	0.1189	1.0000e-005		4.2000e-004	4.2000e-004		4.2000e-004	4.2000e-004	0.0000	0.2328	0.2328	6.0000e-004	0.0000	0.2478
Total	59.9449	1.0700e-003	0.1189	1.0000e-005		4.2000e-004	4.2000e-004		4.2000e-004	4.2000e-004	0.0000	0.2328	0.2328	6.0000e-004	0.0000	0.2478

7.0 Water Detail

7.1 Mitigation Measures Water

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	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	945.9119	97.1542	2.2940	4,058.3858
Unmitigated	945.9119	97.1542	2.2940	4,058.3858

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Light Industry	2025.29 / 0	642.5303	65.9940	1.5583	2,756.7429
Office Park	102.73 / 62.9636	32.5915	3.3475	0.0790	139.8322
Refrigerated Warehouse-No Rail	668.081 / 0	211.9514	21.7694	0.5140	909.3663
Unrefrigerated Warehouse-No Rail	185.463 / 0	58.8387	6.0433	0.1427	252.4444
Total		945.9119	97.1542	2.2940	4,058.3858

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7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Light Industry	2025.29 / 0	642.5303	65.9940	1.5583	2,756.7429
Office Park	102.73 / 62.9636	32.5915	3.3475	0.0790	139.8322
Refrigerated Warehouse-No Rail	668.081 / 0	211.9514	21.7694	0.5140	909.3663
Unrefrigerated Warehouse-No Rail	185.463 / 0	58.8387	6.0433	0.1427	252.4444
Total		945.9119	97.1542	2.2940	4,058.3858

8.0 Waste Detail

8.1 Mitigation Measures Waste

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Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	3,017.866 6	178.3508	0.0000	7,476.636 9
Unmitigated	3,017.866 6	178.3508	0.0000	7,476.636 9

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Light Industry	10859.9	2,204.465 6	130.2802	0.0000	5,461.470 3
Office Park	537.54	109.1158	6.4486	0.0000	270.3297
Refrigerated Warehouse-No Rail	2715.66	551.2544	32.5782	0.0000	1,365.709 5
Unrefrigerated Warehouse-No Rail	753.88	153.0308	9.0439	0.0000	379.1274
Total		3,017.866 7	178.3508	0.0000	7,476.636 9

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8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Light Industry	10859.9	2,204.4656	130.2802	0.0000	5,461.4703
Office Park	537.54	109.1158	6.4486	0.0000	270.3297
Refrigerated Warehouse-No Rail	2715.66	551.2544	32.5782	0.0000	1,365.7095
Unrefrigerated Warehouse-No Rail	753.88	153.0308	9.0439	0.0000	379.1274
Total		3,017.8667	178.3508	0.0000	7,476.6369

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
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User Defined Equipment

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Equipment Type	Number
----------------	--------

11.0 Vegetation

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Stanislaus County, Annual**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Government Office Building	381.00	1000sqft	35.00	381,000.00	0
Office Park	247.00	1000sqft	14.00	247,000.00	0
General Light Industry	1,237.00	1000sqft	71.00	1,237,000.00	0
Refrigerated Warehouse-No Rail	990.00	1000sqft	57.00	990,000.00	0
City Park	13.00	Acre	13.00	566,280.00	0

1.2 Other Project Characteristics

Urbanization	Rural	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	46
Climate Zone	3			Operational Year	2045
Utility Company					
CO2 Intensity (lb/MW hr)	0	CH4 Intensity (lb/MW hr)	0	N2O Intensity (lb/MW hr)	0

1.3 User Entered Comments & Non-Default Data

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Project Characteristics -

Land Use - PD

Construction Phase - Assumed all infrastructure is front-loaded

Grading - Total Phase 2 acreage

Construction Off-road Equipment Mitigation - Potential Tier4 mitigation

Off-road Equipment -

Off-road Equipment - Trenching.

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Trips and VMT -

Architectural Coating -

Vehicle Trips -

Area Coating -

Energy Use -

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00

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tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	10.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	13.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
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tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	220.00	139.00
tblConstructionPhase	NumDays	3,100.00	1,956.00
tblConstructionPhase	NumDays	310.00	196.00
tblConstructionPhase	NumDays	220.00	139.00
tblConstructionPhase	NumDays	120.00	76.00
tblConstructionPhase	PhaseEndDate	3/18/2044	2/4/2031
tblConstructionPhase	PhaseEndDate	7/11/2042	1/21/2038
tblConstructionPhase	PhaseEndDate	8/23/2030	10/1/2029
tblConstructionPhase	PhaseEndDate	5/15/2043	2/4/2031

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tblConstructionPhase	PhaseEndDate	6/15/2029	7/24/2030
tblConstructionPhase	PhaseEndDate	8/23/2030	4/9/2030
tblConstructionPhase	PhaseStartDate	5/16/2043	7/25/2030
tblConstructionPhase	PhaseStartDate	8/24/2030	7/25/2030
tblConstructionPhase	PhaseStartDate	6/16/2029	1/1/2029
tblConstructionPhase	PhaseStartDate	7/12/2042	7/25/2030
tblConstructionPhase	PhaseStartDate	1/1/2029	4/10/2030
tblConstructionPhase	PhaseStartDate	8/24/2030	10/2/2029
tblGrading	AcresOfGrading	490.00	190.00
tblGrading	AcresOfGrading	0.00	190.00
tblLandUse	GreenSpaceAllowEdit	1.00	0.00
tblLandUse	LotAcreage	8.75	35.00
tblLandUse	LotAcreage	5.67	14.00
tblLandUse	LotAcreage	28.40	71.00
tblLandUse	LotAcreage	22.73	57.00
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural

2.0 Emissions Summary

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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					
2029	0.2928	2.7430	2.6375	6.3100e-003	0.7225	0.1110	0.8335	0.3437	0.1021	0.4458	0.0000	555.0737	555.0737	0.1731	0.0000	559.4013
2030	20.1815	4.3933	5.1847	0.0228	2.2088	0.0667	2.2755	0.7700	0.0662	0.8362	0.0000	2,063.8512	2,063.8512	0.0856	0.0000	2,065.9923
2031	5.1007	6.9760	6.6616	0.0377	2.7105	0.0388	2.7492	0.7304	0.0378	0.7682	0.0000	3,468.2624	3,468.2624	0.1452	0.0000	3,471.8911
2032	0.7530	6.8499	6.1696	0.0368	2.6756	0.0336	2.7092	0.7212	0.0326	0.7538	0.0000	3,386.4083	3,386.4083	0.1418	0.0000	3,389.9526
2033	0.7107	6.7572	5.9314	0.0362	2.6552	0.0327	2.6879	0.7157	0.0318	0.7474	0.0000	3,332.2327	3,332.2327	0.1390	0.0000	3,335.7079
2034	0.6788	6.7218	5.7511	0.0359	2.6552	0.0321	2.6872	0.7157	0.0312	0.7469	0.0000	3,308.0410	3,308.0410	0.1374	0.0000	3,311.4753
2035	0.6417	6.6165	5.6138	0.0358	2.6654	0.0241	2.6895	0.7184	0.0233	0.7417	0.0000	3,300.2038	3,300.2038	0.1356	0.0000	3,303.5948
2036	0.6441	6.6419	5.6353	0.0360	2.6756	0.0242	2.6998	0.7212	0.0234	0.7445	0.0000	3,312.8482	3,312.8482	0.1362	0.0000	3,316.2523
2037	0.6417	6.6165	5.6138	0.0358	2.6654	0.0241	2.6895	0.7184	0.0233	0.7417	0.0000	3,300.2038	3,300.2038	0.1356	0.0000	3,303.5948
2038	0.0369	0.3803	0.3226	2.0600e-003	0.1532	1.3800e-003	0.1546	0.0413	1.3400e-003	0.0426	0.0000	189.6669	189.6669	7.8000e-003	0.0000	189.8618
Maximum	20.1815	6.9760	6.6616	0.0377	2.7105	0.1110	2.7492	0.7700	0.1021	0.8362	0.0000	3,468.2624	3,468.2624	0.1731	0.0000	3,471.8911

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Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-1-2029	3-31-2029	0.9951	0.1342
2	4-1-2029	6-30-2029	1.0059	0.1354
3	7-1-2029	9-30-2029	1.0169	0.1369
4	10-1-2029	12-31-2029	0.0144	0.0048
5	1-1-2030	3-31-2030	0.0030	0.0030
6	4-1-2030	6-30-2030	0.8103	0.1292
7	7-1-2030	9-30-2030	10.2573	9.7054
8	10-1-2030	12-31-2030	13.5792	13.1021
9	1-1-2031	3-31-2031	6.3158	6.0031
10	4-1-2031	6-30-2031	1.9054	1.6882
11	7-1-2031	9-30-2031	1.9263	1.7068
12	10-1-2031	12-31-2031	1.9440	1.7245
13	1-1-2032	3-31-2032	1.8988	1.6817
14	4-1-2032	6-30-2032	1.8826	1.6654
15	7-1-2032	9-30-2032	1.9033	1.6837
16	10-1-2032	12-31-2032	1.9197	1.7002
17	1-1-2033	3-31-2033	1.8576	1.6428
18	4-1-2033	6-30-2033	1.8630	1.6459
19	7-1-2033	9-30-2033	1.8835	1.6640
20	10-1-2033	12-31-2033	1.8989	1.6793
21	1-1-2034	3-31-2034	1.8398	1.6250
22	4-1-2034	6-30-2034	1.8458	1.6286
23	7-1-2034	9-30-2034	1.8661	1.6465
24	10-1-2034	12-31-2034	1.8807	1.6611
25	1-1-2035	3-31-2035	1.7967	1.6098
26	4-1-2035	6-30-2035	1.8028	1.6138

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27	7-1-2035	9-30-2035	1.8226	1.6315
28	10-1-2035	12-31-2035	1.8366	1.6455
29	1-1-2036	3-31-2036	1.8167	1.6277
30	4-1-2036	6-30-2036	1.8028	1.6138
31	7-1-2036	9-30-2036	1.8226	1.6315
32	10-1-2036	12-31-2036	1.8366	1.6455
33	1-1-2037	3-31-2037	1.7967	1.6098
34	4-1-2037	6-30-2037	1.8028	1.6138
35	7-1-2037	9-30-2037	1.8226	1.6315
36	10-1-2037	12-31-2037	1.8366	1.6455
37	1-1-2038	3-31-2038	0.4192	0.3756
		Highest	13.5792	13.1021

Crows Landing_Phase 2 - Stanislaus County, Annual

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	15.7429	2.4000e-004	0.0262	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005	0.0000	0.0513	0.0513	1.3000e-004	0.0000	0.0546
Energy	0.1972	1.7923	1.5056	0.0108		0.1362	0.1362		0.1362	0.1362	0.0000	1,951.1623	1,951.1623	0.0374	0.0358	1,962.7571
Mobile	3.7334	57.6855	40.0789	0.3400	28.4362	0.1136	28.5498	7.6310	0.1065	7.7375	0.0000	31,704.8981	31,704.8981	1.6906	0.0000	31,747.1621
Waste						0.0000	0.0000		0.0000	0.0000	619.0494	0.0000	619.0494	36.5848	0.0000	1,533.6686
Water						0.0000	0.0000		0.0000	0.0000	201.3240	0.0000	201.3240	20.6779	0.4883	863.7702
Total	19.6734	59.4780	41.6106	0.3507	28.4362	0.2499	28.6861	7.6310	0.2428	7.8738	820.3734	33,656.1117	34,476.4850	58.9908	0.5240	36,107.4125

Crows Landing_Phase 2 - Stanislaus County, Annual

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	15.7429	2.4000e-004	0.0262	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005	0.0000	0.0513	0.0513	1.3000e-004	0.0000	0.0546
Energy	0.1972	1.7923	1.5056	0.0108		0.1362	0.1362		0.1362	0.1362	0.0000	1,951.1623	1,951.1623	0.0374	0.0358	1,962.7571
Mobile	3.7334	57.6855	40.0789	0.3400	28.4362	0.1136	28.5498	7.6310	0.1065	7.7375	0.0000	31,704.8981	31,704.8981	1.6906	0.0000	31,747.1621
Waste						0.0000	0.0000		0.0000	0.0000	619.0494	0.0000	619.0494	36.5848	0.0000	1,533.6686
Water						0.0000	0.0000		0.0000	0.0000	201.3240	0.0000	201.3240	20.6779	0.4883	863.7702
Total	19.6734	59.4780	41.6106	0.3507	28.4362	0.2499	28.6861	7.6310	0.2428	7.8738	820.3734	33,656.1117	34,476.4850	58.9908	0.5240	36,107.4125

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

3.0 Construction Detail

Construction Phase

Crows Landing_Phase 2 - Stanislaus County, Annual

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	4/10/2030	7/24/2030	5	76	
2	Grading	Grading	1/1/2029	10/1/2029	5	196	
3	Trenching	Trenching	10/2/2029	4/9/2030	5	136	
4	Building Construction	Building Construction	7/25/2030	1/21/2038	5	1956	
5	Paving	Paving	7/25/2030	2/4/2031	5	139	
6	Architectural Coating	Architectural Coating	7/25/2030	2/4/2031	5	139	

Acres of Grading (Site Preparation Phase): 190

Acres of Grading (Grading Phase): 190

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 5,131,920; Non-Residential Outdoor: 1,710,640; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Crows Landing_Phase 2 - Stanislaus County, Annual

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
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
Trenching	Rubber Tired Dozers	3		247	0.40
Trenching	Tractors/Loaders/Backhoes	4		97	0.37
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Crows Landing_Phase 2 - Stanislaus County, Annual

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
Grading	8	20.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Trenching	7	18.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	10	25.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	10	25.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	1,374.00	561.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	275.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Site Preparation - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.7873	0.0000	0.7873	0.3882	0.0000	0.3882	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1593	0.8825	0.8817	2.9600e-003		0.0303	0.0303		0.0303	0.0303	0.0000	254.4314	254.4314	0.0129	0.0000	254.7541
Total	0.1593	0.8825	0.8817	2.9600e-003	0.7873	0.0303	0.8176	0.3882	0.0303	0.4185	0.0000	254.4314	254.4314	0.0129	0.0000	254.7541

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3.2 Site Preparation - 2030

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.8800e-003	3.1400e-003	0.0399	1.7000e-004	0.0440	1.1000e-004	0.0442	0.0113	1.0000e-004	0.0114	0.0000	15.1973	15.1973	2.4000e-004	0.0000	15.2032
Total	5.8800e-003	3.1400e-003	0.0399	1.7000e-004	0.0440	1.1000e-004	0.0442	0.0113	1.0000e-004	0.0114	0.0000	15.1973	15.1973	2.4000e-004	0.0000	15.2032

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.3543	0.0000	0.3543	0.1747	0.0000	0.1747	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0296	0.1283	1.2301	2.9600e-003		3.9500e-003	3.9500e-003		3.9500e-003	3.9500e-003	0.0000	254.4311	254.4311	0.0129	0.0000	254.7538
Total	0.0296	0.1283	1.2301	2.9600e-003	0.3543	3.9500e-003	0.3582	0.1747	3.9500e-003	0.1787	0.0000	254.4311	254.4311	0.0129	0.0000	254.7538

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3.2 Site Preparation - 2030

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.8800e-003	3.1400e-003	0.0399	1.7000e-004	0.0440	1.1000e-004	0.0442	0.0113	1.0000e-004	0.0114	0.0000	15.1973	15.1973	2.4000e-004	0.0000	15.2032
Total	5.8800e-003	3.1400e-003	0.0399	1.7000e-004	0.0440	1.1000e-004	0.0442	0.0113	1.0000e-004	0.0114	0.0000	15.1973	15.1973	2.4000e-004	0.0000	15.2032

3.3 Grading - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.6909	0.0000	0.6909	0.3353	0.0000	0.3353	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.2843	2.7384	2.5805	6.0800e-003		0.1108	0.1108		0.1020	0.1020	0.0000	534.1609	534.1609	0.1728	0.0000	538.4798
Total	0.2843	2.7384	2.5805	6.0800e-003	0.6909	0.1108	0.8017	0.3353	0.1020	0.4372	0.0000	534.1609	534.1609	0.1728	0.0000	538.4798

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3.3 Grading - 2029

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.5500e-003	3.5400e-003	0.0439	1.8000e-004	0.0244	1.3000e-004	0.0245	6.4700e-003	1.2000e-004	6.5900e-003	0.0000	16.1058	16.1058	2.7000e-004	0.0000	16.1124
Total	6.5500e-003	3.5400e-003	0.0439	1.8000e-004	0.0244	1.3000e-004	0.0245	6.4700e-003	1.2000e-004	6.5900e-003	0.0000	16.1058	16.1058	2.7000e-004	0.0000	16.1124

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.3109	0.0000	0.3109	0.1509	0.0000	0.1509	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0746	0.3234	3.2339	6.0800e-003		9.9500e-003	9.9500e-003		9.9500e-003	9.9500e-003	0.0000	534.1603	534.1603	0.1728	0.0000	538.4792
Total	0.0746	0.3234	3.2339	6.0800e-003	0.3109	9.9500e-003	0.3209	0.1509	9.9500e-003	0.1608	0.0000	534.1603	534.1603	0.1728	0.0000	538.4792

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3.4 Trenching - 2030

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.9800e-003	1.0600e-003	0.0134	6.0000e-005	7.9400e-003	4.0000e-005	7.9800e-003	2.1100e-003	4.0000e-005	2.1400e-003	0.0000	5.1111	5.1111	8.0000e-005	0.0000	5.1131
Total	1.9800e-003	1.0600e-003	0.0134	6.0000e-005	7.9400e-003	4.0000e-005	7.9800e-003	2.1100e-003	4.0000e-005	2.1400e-003	0.0000	5.1111	5.1111	8.0000e-005	0.0000	5.1131

3.5 Building Construction - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0746	0.4523	0.9210	1.7600e-003		8.4400e-003	8.4400e-003		8.4400e-003	8.4400e-003	0.0000	149.8308	149.8308	6.0100e-003	0.0000	149.9811
Total	0.0746	0.4523	0.9210	1.7600e-003		8.4400e-003	8.4400e-003		8.4400e-003	8.4400e-003	0.0000	149.8308	149.8308	6.0100e-003	0.0000	149.9811

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3.5 Building Construction - 2030

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0515	2.4428	0.3318	7.6600e-003	0.1913	2.1600e-003	0.1934	0.0552	2.0700e-003	0.0573	0.0000	728.7095	728.7095	0.0476	0.0000	729.9005
Worker	0.2424	0.1295	1.6441	6.9200e-003	0.9730	4.6700e-003	0.9776	0.2586	4.3000e-003	0.2629	0.0000	626.4336	626.4336	9.7000e-003	0.0000	626.6761
Total	0.2939	2.5723	1.9759	0.0146	1.1642	6.8300e-003	1.1711	0.3138	6.3700e-003	0.3202	0.0000	1,355.1431	1,355.1431	0.0573	0.0000	1,356.5765

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0187	0.1274	0.9952	1.7600e-003		2.3200e-003	2.3200e-003		2.3200e-003	2.3200e-003	0.0000	149.8306	149.8306	6.0100e-003	0.0000	149.9809
Total	0.0187	0.1274	0.9952	1.7600e-003		2.3200e-003	2.3200e-003		2.3200e-003	2.3200e-003	0.0000	149.8306	149.8306	6.0100e-003	0.0000	149.9809

Crows Landing_Phase 2 - Stanislaus County, Annual

3.5 Building Construction - 2030

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0515	2.4428	0.3318	7.6600e-003	0.1913	2.1600e-003	0.1934	0.0552	2.0700e-003	0.0573	0.0000	728.7095	728.7095	0.0476	0.0000	729.9005
Worker	0.2424	0.1295	1.6441	6.9200e-003	0.9730	4.6700e-003	0.9776	0.2586	4.3000e-003	0.2629	0.0000	626.4336	626.4336	9.7000e-003	0.0000	626.6761
Total	0.2939	2.5723	1.9759	0.0146	1.1642	6.8300e-003	1.1711	0.3138	6.3700e-003	0.3202	0.0000	1,355.1431	1,355.1431	0.0573	0.0000	1,356.5765

3.5 Building Construction - 2031

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1708	1.0355	2.1085	4.0400e-003		0.0193	0.0193		0.0193	0.0193	0.0000	343.0336	343.0336	0.0138	0.0000	343.3777
Total	0.1708	1.0355	2.1085	4.0400e-003		0.0193	0.0193		0.0193	0.0193	0.0000	343.0336	343.0336	0.0138	0.0000	343.3777

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3.5 Building Construction - 2031

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1168	5.5656	0.7479	0.0175	0.4379	4.9000e-003	0.4428	0.1265	4.6800e-003	0.1312	0.0000	1,664.0756	1,664.0756	0.1092	0.0000	1,666.8067
Worker	0.5057	0.2698	3.5137	0.0155	2.2276	9.9600e-003	2.2375	0.5920	9.1600e-003	0.6011	0.0000	1,399.5431	1,399.5431	0.0202	0.0000	1,400.0478
Total	0.6225	5.8353	4.2615	0.0330	2.6654	0.0149	2.6803	0.7184	0.0138	0.7323	0.0000	3,063.6187	3,063.6187	0.1294	0.0000	3,066.8545

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0428	0.2916	2.2786	4.0400e-003		5.3200e-003	5.3200e-003		5.3200e-003	5.3200e-003	0.0000	343.0332	343.0332	0.0138	0.0000	343.3773
Total	0.0428	0.2916	2.2786	4.0400e-003		5.3200e-003	5.3200e-003		5.3200e-003	5.3200e-003	0.0000	343.0332	343.0332	0.0138	0.0000	343.3773

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3.5 Building Construction - 2031

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1168	5.5656	0.7479	0.0175	0.4379	4.9000e-003	0.4428	0.1265	4.6800e-003	0.1312	0.0000	1,664.0756	1,664.0756	0.1092	0.0000	1,666.8067
Worker	0.5057	0.2698	3.5137	0.0155	2.2276	9.9600e-003	2.2375	0.5920	9.1600e-003	0.6011	0.0000	1,399.5431	1,399.5431	0.0202	0.0000	1,400.0478
Total	0.6225	5.8353	4.2615	0.0330	2.6654	0.0149	2.6803	0.7184	0.0138	0.7323	0.0000	3,063.6187	3,063.6187	0.1294	0.0000	3,066.8545

3.5 Building Construction - 2032

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1715	1.0394	2.1166	4.0600e-003		0.0194	0.0194		0.0194	0.0194	0.0000	344.3479	344.3479	0.0138	0.0000	344.6933
Total	0.1715	1.0394	2.1166	4.0600e-003		0.0194	0.0194		0.0194	0.0194	0.0000	344.3479	344.3479	0.0138	0.0000	344.6933

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3.5 Building Construction - 2032

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1164	5.5622	0.7425	0.0175	0.4395	4.8700e-003	0.4444	0.1270	4.6500e-003	0.1316	0.0000	1,667.6121	1,667.6121	0.1094	0.0000	1,670.3476
Worker	0.4651	0.2482	3.3105	0.0152	2.2361	9.3200e-003	2.2454	0.5942	8.5700e-003	0.6028	0.0000	1,374.4483	1,374.4483	0.0185	0.0000	1,374.9118
Total	0.5815	5.8105	4.0530	0.0327	2.6756	0.0142	2.6898	0.7212	0.0132	0.7344	0.0000	3,042.0604	3,042.0604	0.1280	0.0000	3,045.2593

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0429	0.2928	2.2873	4.0600e-003		5.3400e-003	5.3400e-003		5.3400e-003	5.3400e-003	0.0000	344.3475	344.3475	0.0138	0.0000	344.6929
Total	0.0429	0.2928	2.2873	4.0600e-003		5.3400e-003	5.3400e-003		5.3400e-003	5.3400e-003	0.0000	344.3475	344.3475	0.0138	0.0000	344.6929

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3.5 Building Construction - 2032

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1164	5.5622	0.7425	0.0175	0.4395	4.8700e-003	0.4444	0.1270	4.6500e-003	0.1316	0.0000	1,667.6121	1,667.6121	0.1094	0.0000	1,670.3476
Worker	0.4651	0.2482	3.3105	0.0152	2.2361	9.3200e-003	2.2454	0.5942	8.5700e-003	0.6028	0.0000	1,374.4483	1,374.4483	0.0185	0.0000	1,374.9118
Total	0.5815	5.8105	4.0530	0.0327	2.6756	0.0142	2.6898	0.7212	0.0132	0.7344	0.0000	3,042.0604	3,042.0604	0.1280	0.0000	3,045.2593

3.5 Building Construction - 2033

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1702	1.0315	2.1004	4.0200e-003		0.0193	0.0193		0.0193	0.0193	0.0000	341.7193	341.7193	0.0137	0.0000	342.0621
Total	0.1702	1.0315	2.1004	4.0200e-003		0.0193	0.0193		0.0193	0.0193	0.0000	341.7193	341.7193	0.0137	0.0000	342.0621

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3.5 Building Construction - 2033

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1149	5.4982	0.7307	0.0174	0.4362	4.7900e-003	0.4410	0.1260	4.5800e-003	0.1306	0.0000	1,652.8754	1,652.8754	0.1084	0.0000	1,655.5846
Worker	0.4256	0.2275	3.1003	0.0148	2.2190	8.6300e-003	2.2277	0.5897	7.9400e-003	0.5976	0.0000	1,337.6380	1,337.6380	0.0169	0.0000	1,338.0612
Total	0.5405	5.7257	3.8310	0.0322	2.6552	0.0134	2.6686	0.7157	0.0125	0.7282	0.0000	2,990.5134	2,990.5134	0.1253	0.0000	2,993.6459

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0426	0.2905	2.2698	4.0200e-003		5.3000e-003	5.3000e-003		5.3000e-003	5.3000e-003	0.0000	341.7189	341.7189	0.0137	0.0000	342.0617
Total	0.0426	0.2905	2.2698	4.0200e-003		5.3000e-003	5.3000e-003		5.3000e-003	5.3000e-003	0.0000	341.7189	341.7189	0.0137	0.0000	342.0617

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3.5 Building Construction - 2033

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1149	5.4982	0.7307	0.0174	0.4362	4.7900e-003	0.4410	0.1260	4.5800e-003	0.1306	0.0000	1,652.8754	1,652.8754	0.1084	0.0000	1,655.5846
Worker	0.4256	0.2275	3.1003	0.0148	2.2190	8.6300e-003	2.2277	0.5897	7.9400e-003	0.5976	0.0000	1,337.6380	1,337.6380	0.0169	0.0000	1,338.0612
Total	0.5405	5.7257	3.8310	0.0322	2.6552	0.0134	2.6686	0.7157	0.0125	0.7282	0.0000	2,990.5134	2,990.5134	0.1253	0.0000	2,993.6459

3.5 Building Construction - 2034

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1702	1.0315	2.1004	4.0200e-003		0.0193	0.0193		0.0193	0.0193	0.0000	341.7193	341.7193	0.0137	0.0000	342.0621
Total	0.1702	1.0315	2.1004	4.0200e-003		0.0193	0.0193		0.0193	0.0193	0.0000	341.7193	341.7193	0.0137	0.0000	342.0621

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3.5 Building Construction - 2034

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1143	5.4789	0.7255	0.0174	0.4362	4.7400e-003	0.4409	0.1260	4.5400e-003	0.1305	0.0000	1,651.5896	1,651.5896	0.1081	0.0000	1,654.2920
Worker	0.3943	0.2115	2.9252	0.0145	2.2190	8.0500e-003	2.2271	0.5897	7.4100e-003	0.5971	0.0000	1,314.7321	1,314.7321	0.0156	0.0000	1,315.1212
Total	0.5086	5.6903	3.6507	0.0319	2.6552	0.0128	2.6680	0.7157	0.0120	0.7276	0.0000	2,966.3217	2,966.3217	0.1237	0.0000	2,969.4132

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0426	0.2905	2.2698	4.0200e-003		5.3000e-003	5.3000e-003		5.3000e-003	5.3000e-003	0.0000	341.7189	341.7189	0.0137	0.0000	342.0617
Total	0.0426	0.2905	2.2698	4.0200e-003		5.3000e-003	5.3000e-003		5.3000e-003	5.3000e-003	0.0000	341.7189	341.7189	0.0137	0.0000	342.0617

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3.5 Building Construction - 2034

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1143	5.4789	0.7255	0.0174	0.4362	4.7400e-003	0.4409	0.1260	4.5400e-003	0.1305	0.0000	1,651.5896	1,651.5896	0.1081	0.0000	1,654.2920
Worker	0.3943	0.2115	2.9252	0.0145	2.2190	8.0500e-003	2.2271	0.5897	7.4100e-003	0.5971	0.0000	1,314.7321	1,314.7321	0.0156	0.0000	1,315.1212
Total	0.5086	5.6903	3.6507	0.0319	2.6552	0.0128	2.6680	0.7157	0.0120	0.7276	0.0000	2,966.3217	2,966.3217	0.1237	0.0000	2,969.4132

3.5 Building Construction - 2035

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1588	0.9346	2.1034	4.0400e-003		0.0118	0.0118		0.0118	0.0118	0.0000	343.0336	343.0336	0.0128	0.0000	343.3530
Total	0.1588	0.9346	2.1034	4.0400e-003		0.0118	0.0118		0.0118	0.0118	0.0000	343.0336	343.0336	0.0128	0.0000	343.3530

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3.5 Building Construction - 2035

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1143	5.4822	0.7236	0.0174	0.4378	4.7200e-003	0.4426	0.1265	4.5200e-003	0.1310	0.0000	1,657.0755	1,657.0755	0.1084	0.0000	1,659.7855
Worker	0.3686	0.1998	2.7868	0.0144	2.2276	7.5600e-003	2.2351	0.5920	6.9500e-003	0.5989	0.0000	1,300.0947	1,300.0947	0.0145	0.0000	1,300.4563
Total	0.4829	5.6820	3.5104	0.0318	2.6654	0.0123	2.6777	0.7184	0.0115	0.7299	0.0000	2,957.1701	2,957.1701	0.1229	0.0000	2,960.2418

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0428	0.2916	2.2786	4.0400e-003		5.3200e-003	5.3200e-003		5.3200e-003	5.3200e-003	0.0000	343.0332	343.0332	0.0128	0.0000	343.3526
Total	0.0428	0.2916	2.2786	4.0400e-003		5.3200e-003	5.3200e-003		5.3200e-003	5.3200e-003	0.0000	343.0332	343.0332	0.0128	0.0000	343.3526

Crows Landing_Phase 2 - Stanislaus County, Annual

3.5 Building Construction - 2035

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1143	5.4822	0.7236	0.0174	0.4378	4.7200e-003	0.4426	0.1265	4.5200e-003	0.1310	0.0000	1,657.0755	1,657.0755	0.1084	0.0000	1,659.7855
Worker	0.3686	0.1998	2.7868	0.0144	2.2276	7.5600e-003	2.2351	0.5920	6.9500e-003	0.5989	0.0000	1,300.0947	1,300.0947	0.0145	0.0000	1,300.4563
Total	0.4829	5.6820	3.5104	0.0318	2.6654	0.0123	2.6777	0.7184	0.0115	0.7299	0.0000	2,957.1701	2,957.1701	0.1229	0.0000	2,960.2418

3.5 Building Construction - 2036

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1594	0.9381	2.1114	4.0600e-003		0.0118	0.0118		0.0118	0.0118	0.0000	344.3479	344.3479	0.0128	0.0000	344.6686
Total	0.1594	0.9381	2.1114	4.0600e-003		0.0118	0.0118		0.0118	0.0118	0.0000	344.3479	344.3479	0.0128	0.0000	344.6686

Crows Landing_Phase 2 - Stanislaus County, Annual

3.5 Building Construction - 2036

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1147	5.5032	0.7264	0.0175	0.4395	4.7400e-003	0.4443	0.1269	4.5300e-003	0.1315	0.0000	1,663.4244	1,663.4244	0.1088	0.0000	1,666.1448
Worker	0.3700	0.2006	2.7975	0.0144	2.2361	7.5900e-003	2.2437	0.5942	6.9800e-003	0.6012	0.0000	1,305.0759	1,305.0759	0.0145	0.0000	1,305.4389
Total	0.4847	5.7037	3.5239	0.0319	2.6756	0.0123	2.6879	0.7212	0.0115	0.7327	0.0000	2,968.5003	2,968.5003	0.1233	0.0000	2,971.5837

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0429	0.2928	2.2873	4.0600e-003		5.3400e-003	5.3400e-003		5.3400e-003	5.3400e-003	0.0000	344.3475	344.3475	0.0128	0.0000	344.6682
Total	0.0429	0.2928	2.2873	4.0600e-003		5.3400e-003	5.3400e-003		5.3400e-003	5.3400e-003	0.0000	344.3475	344.3475	0.0128	0.0000	344.6682

Crows Landing_Phase 2 - Stanislaus County, Annual

3.5 Building Construction - 2036

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1147	5.5032	0.7264	0.0175	0.4395	4.7400e-003	0.4443	0.1269	4.5300e-003	0.1315	0.0000	1,663.4244	1,663.4244	0.1088	0.0000	1,666.1448
Worker	0.3700	0.2006	2.7975	0.0144	2.2361	7.5900e-003	2.2437	0.5942	6.9800e-003	0.6012	0.0000	1,305.0759	1,305.0759	0.0145	0.0000	1,305.4389
Total	0.4847	5.7037	3.5239	0.0319	2.6756	0.0123	2.6879	0.7212	0.0115	0.7327	0.0000	2,968.5003	2,968.5003	0.1233	0.0000	2,971.5837

3.5 Building Construction - 2037

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1588	0.9346	2.1034	4.0400e-003		0.0118	0.0118		0.0118	0.0118	0.0000	343.0336	343.0336	0.0128	0.0000	343.3530
Total	0.1588	0.9346	2.1034	4.0400e-003		0.0118	0.0118		0.0118	0.0118	0.0000	343.0336	343.0336	0.0128	0.0000	343.3530

Crows Landing_Phase 2 - Stanislaus County, Annual

3.5 Building Construction - 2037

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1143	5.4822	0.7236	0.0174	0.4378	4.7200e-003	0.4426	0.1265	4.5200e-003	0.1310	0.0000	1,657.0755	1,657.0755	0.1084	0.0000	1,659.7855
Worker	0.3686	0.1998	2.7868	0.0144	2.2276	7.5600e-003	2.2351	0.5920	6.9500e-003	0.5989	0.0000	1,300.0947	1,300.0947	0.0145	0.0000	1,300.4563
Total	0.4829	5.6820	3.5104	0.0318	2.6654	0.0123	2.6777	0.7184	0.0115	0.7299	0.0000	2,957.1701	2,957.1701	0.1229	0.0000	2,960.2418

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0428	0.2916	2.2786	4.0400e-003		5.3200e-003	5.3200e-003		5.3200e-003	5.3200e-003	0.0000	343.0332	343.0332	0.0128	0.0000	343.3526
Total	0.0428	0.2916	2.2786	4.0400e-003		5.3200e-003	5.3200e-003		5.3200e-003	5.3200e-003	0.0000	343.0332	343.0332	0.0128	0.0000	343.3526

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3.5 Building Construction - 2037

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1143	5.4822	0.7236	0.0174	0.4378	4.7200e-003	0.4426	0.1265	4.5200e-003	0.1310	0.0000	1,657.0755	1,657.0755	0.1084	0.0000	1,659.7855
Worker	0.3686	0.1998	2.7868	0.0144	2.2276	7.5600e-003	2.2351	0.5920	6.9500e-003	0.5989	0.0000	1,300.0947	1,300.0947	0.0145	0.0000	1,300.4563
Total	0.4829	5.6820	3.5104	0.0318	2.6654	0.0123	2.6777	0.7184	0.0115	0.7299	0.0000	2,957.1701	2,957.1701	0.1229	0.0000	2,960.2418

3.5 Building Construction - 2038

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	9.1300e-003	0.0537	0.1209	2.3000e-004		6.8000e-004	6.8000e-004		6.8000e-004	6.8000e-004	0.0000	19.7146	19.7146	7.3000e-004	0.0000	19.7329
Total	9.1300e-003	0.0537	0.1209	2.3000e-004		6.8000e-004	6.8000e-004		6.8000e-004	6.8000e-004	0.0000	19.7146	19.7146	7.3000e-004	0.0000	19.7329

Crows Landing_Phase 2 - Stanislaus County, Annual

3.5 Building Construction - 2038

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.5700e-003	0.3151	0.0416	1.0000e-003	0.0252	2.7000e-004	0.0254	7.2700e-003	2.6000e-004	7.5300e-003	0.0000	95.2342	95.2342	6.2300e-003	0.0000	95.3900
Worker	0.0212	0.0115	0.1602	8.2000e-004	0.1280	4.3000e-004	0.1285	0.0340	4.0000e-004	0.0344	0.0000	74.7181	74.7181	8.3000e-004	0.0000	74.7389
Total	0.0278	0.3266	0.2018	1.8200e-003	0.1532	7.0000e-004	0.1539	0.0413	6.6000e-004	0.0420	0.0000	169.9523	169.9523	7.0600e-003	0.0000	170.1288

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	2.4600e-003	0.0168	0.1310	2.3000e-004		3.1000e-004	3.1000e-004		3.1000e-004	3.1000e-004	0.0000	19.7146	19.7146	7.3000e-004	0.0000	19.7329
Total	2.4600e-003	0.0168	0.1310	2.3000e-004		3.1000e-004	3.1000e-004		3.1000e-004	3.1000e-004	0.0000	19.7146	19.7146	7.3000e-004	0.0000	19.7329

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3.5 Building Construction - 2038

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.5700e-003	0.3151	0.0416	1.0000e-003	0.0252	2.7000e-004	0.0254	7.2700e-003	2.6000e-004	7.5300e-003	0.0000	95.2342	95.2342	6.2300e-003	0.0000	95.3900
Worker	0.0212	0.0115	0.1602	8.2000e-004	0.1280	4.3000e-004	0.1285	0.0340	4.0000e-004	0.0344	0.0000	74.7181	74.7181	8.3000e-004	0.0000	74.7389
Total	0.0278	0.3266	0.2018	1.8200e-003	0.1532	7.0000e-004	0.1539	0.0413	6.6000e-004	0.0420	0.0000	169.9523	169.9523	7.0600e-003	0.0000	170.1288

3.6 Paving - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0789	0.4059	0.9034	1.6000e-003		0.0189	0.0189		0.0189	0.0189	0.0000	137.3672	137.3672	6.4400e-003	0.0000	137.5282
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0789	0.4059	0.9034	1.6000e-003		0.0189	0.0189		0.0189	0.0189	0.0000	137.3672	137.3672	6.4400e-003	0.0000	137.5282

Crows Landing_Phase 2 - Stanislaus County, Annual

3.6 Paving - 2030

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.6500e-003	1.4100e-003	0.0180	8.0000e-005	0.0106	5.0000e-005	0.0107	2.8200e-003	5.0000e-005	2.8700e-003	0.0000	6.8388	6.8388	1.1000e-004	0.0000	6.8414
Total	2.6500e-003	1.4100e-003	0.0180	8.0000e-005	0.0106	5.0000e-005	0.0107	2.8200e-003	5.0000e-005	2.8700e-003	0.0000	6.8388	6.8388	1.1000e-004	0.0000	6.8414

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0160	0.0693	0.9859	1.6000e-003		2.1300e-003	2.1300e-003		2.1300e-003	2.1300e-003	0.0000	137.3671	137.3671	6.4400e-003	0.0000	137.5281
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0160	0.0693	0.9859	1.6000e-003		2.1300e-003	2.1300e-003		2.1300e-003	2.1300e-003	0.0000	137.3671	137.3671	6.4400e-003	0.0000	137.5281

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3.6 Paving - 2030

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.6500e-003	1.4100e-003	0.0180	8.0000e-005	0.0106	5.0000e-005	0.0107	2.8200e-003	5.0000e-005	2.8700e-003	0.0000	6.8388	6.8388	1.1000e-004	0.0000	6.8414
Total	2.6500e-003	1.4100e-003	0.0180	8.0000e-005	0.0106	5.0000e-005	0.0107	2.8200e-003	5.0000e-005	2.8700e-003	0.0000	6.8388	6.8388	1.1000e-004	0.0000	6.8414

3.6 Paving - 2031

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0173	0.0890	0.1981	3.5000e-004		4.1300e-003	4.1300e-003		4.1300e-003	4.1300e-003	0.0000	30.1244	30.1244	1.4100e-003	0.0000	30.1597
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0173	0.0890	0.1981	3.5000e-004		4.1300e-003	4.1300e-003		4.1300e-003	4.1300e-003	0.0000	30.1244	30.1244	1.4100e-003	0.0000	30.1597

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3.6 Paving - 2031

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.3000e-004	2.8000e-004	3.6700e-003	2.0000e-005	2.3300e-003	1.0000e-005	2.3400e-003	6.2000e-004	1.0000e-005	6.3000e-004	0.0000	1.4635	1.4635	2.0000e-005	0.0000	1.4640
Total	5.3000e-004	2.8000e-004	3.6700e-003	2.0000e-005	2.3300e-003	1.0000e-005	2.3400e-003	6.2000e-004	1.0000e-005	6.3000e-004	0.0000	1.4635	1.4635	2.0000e-005	0.0000	1.4640

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	3.5100e-003	0.0152	0.2162	3.5000e-004		4.7000e-004	4.7000e-004		4.7000e-004	4.7000e-004	0.0000	30.1244	30.1244	1.4100e-003	0.0000	30.1597
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	3.5100e-003	0.0152	0.2162	3.5000e-004		4.7000e-004	4.7000e-004		4.7000e-004	4.7000e-004	0.0000	30.1244	30.1244	1.4100e-003	0.0000	30.1597

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3.6 Paving - 2031

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.3000e-004	2.8000e-004	3.6700e-003	2.0000e-005	2.3300e-003	1.0000e-005	2.3400e-003	6.2000e-004	1.0000e-005	6.3000e-004	0.0000	1.4635	1.4635	2.0000e-005	0.0000	1.4640
Total	5.3000e-004	2.8000e-004	3.6700e-003	2.0000e-005	2.3300e-003	1.0000e-005	2.3400e-003	6.2000e-004	1.0000e-005	6.3000e-004	0.0000	1.4635	1.4635	2.0000e-005	0.0000	1.4640

3.7 Architectural Coating - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	19.5083					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.4500e-003	0.0488	0.1025	1.7000e-004		1.1600e-003	1.1600e-003		1.1600e-003	1.1600e-003	0.0000	14.5536	14.5536	5.9000e-004	0.0000	14.5683
Total	19.5158	0.0488	0.1025	1.7000e-004		1.1600e-003	1.1600e-003		1.1600e-003	1.1600e-003	0.0000	14.5536	14.5536	5.9000e-004	0.0000	14.5683

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3.7 Architectural Coating - 2030

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0485	0.0259	0.3291	1.3800e-003	0.1947	9.4000e-004	0.1957	0.0518	8.6000e-004	0.0526	0.0000	125.3779	125.3779	1.9400e-003	0.0000	125.4264
Total	0.0485	0.0259	0.3291	1.3800e-003	0.1947	9.4000e-004	0.1957	0.0518	8.6000e-004	0.0526	0.0000	125.3779	125.3779	1.9400e-003	0.0000	125.4264

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	19.5083					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.6900e-003	7.3400e-003	0.1045	1.7000e-004		2.3000e-004	2.3000e-004		2.3000e-004	2.3000e-004	0.0000	14.5535	14.5535	5.9000e-004	0.0000	14.5683
Total	19.5100	7.3400e-003	0.1045	1.7000e-004		2.3000e-004	2.3000e-004		2.3000e-004	2.3000e-004	0.0000	14.5535	14.5535	5.9000e-004	0.0000	14.5683

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3.7 Architectural Coating - 2030

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0485	0.0259	0.3291	1.3800e-003	0.1947	9.4000e-004	0.1957	0.0518	8.6000e-004	0.0526	0.0000	125.3779	125.3779	1.9400e-003	0.0000	125.4264
Total	0.0485	0.0259	0.3291	1.3800e-003	0.1947	9.4000e-004	0.1957	0.0518	8.6000e-004	0.0526	0.0000	125.3779	125.3779	1.9400e-003	0.0000	125.4264

3.7 Architectural Coating - 2031

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	4.2781					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.6300e-003	0.0107	0.0225	4.0000e-005		2.5000e-004	2.5000e-004		2.5000e-004	2.5000e-004	0.0000	3.1916	3.1916	1.3000e-004	0.0000	3.1948
Total	4.2798	0.0107	0.0225	4.0000e-005		2.5000e-004	2.5000e-004		2.5000e-004	2.5000e-004	0.0000	3.1916	3.1916	1.3000e-004	0.0000	3.1948

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3.7 Architectural Coating - 2031

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.6900e-003	5.1700e-003	0.0674	3.0000e-004	0.0427	1.9000e-004	0.0429	0.0114	1.8000e-004	0.0115	0.0000	26.8307	26.8307	3.9000e-004	0.0000	26.8404
Total	9.6900e-003	5.1700e-003	0.0674	3.0000e-004	0.0427	1.9000e-004	0.0429	0.0114	1.8000e-004	0.0115	0.0000	26.8307	26.8307	3.9000e-004	0.0000	26.8404

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	4.2781					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.7000e-004	1.6100e-003	0.0229	4.0000e-005		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	3.1916	3.1916	1.3000e-004	0.0000	3.1948
Total	4.2785	1.6100e-003	0.0229	4.0000e-005		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	3.1916	3.1916	1.3000e-004	0.0000	3.1948

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3.7 Architectural Coating - 2031

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.6900e-003	5.1700e-003	0.0674	3.0000e-004	0.0427	1.9000e-004	0.0429	0.0114	1.8000e-004	0.0115	0.0000	26.8307	26.8307	3.9000e-004	0.0000	26.8404
Total	9.6900e-003	5.1700e-003	0.0674	3.0000e-004	0.0427	1.9000e-004	0.0429	0.0114	1.8000e-004	0.0115	0.0000	26.8307	26.8307	3.9000e-004	0.0000	26.8404

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	3.7334	57.6855	40.0789	0.3400	28.4362	0.1136	28.5498	7.6310	0.1065	7.7375	0.0000	31,704.8981	31,704.8981	1.6906	0.0000	31,747.1621
Unmitigated	3.7334	57.6855	40.0789	0.3400	28.4362	0.1136	28.5498	7.6310	0.1065	7.7375	0.0000	31,704.8981	31,704.8981	1.6906	0.0000	31,747.1621

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	8,621.89	1,632.84	841.16	25,158,587	25,158,587
Government Office Building	26,262.33	0.00	0.00	37,150,253	37,150,253
Office Park	2,820.74	405.08	187.72	6,079,047	6,079,047
Refrigerated Warehouse-No Rail	1,663.20	1,663.20	1663.20	6,425,717	6,425,717
City Park	24.57	295.75	217.62	224,150	224,150
Total	39,392.73	3,996.87	2,909.70	75,037,753	75,037,753

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	14.70	6.60	6.60	59.00	28.00	13.00	92	5	3
Government Office Building	14.70	6.60	6.60	33.00	62.00	5.00	50	34	16
Office Park	14.70	6.60	6.60	33.00	48.00	19.00	82	15	3
Refrigerated Warehouse-No	14.70	6.60	6.60	59.00	0.00	41.00	92	5	3
City Park	14.70	6.60	6.60	33.00	48.00	19.00	66	28	6

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4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.563336	0.028772	0.182262	0.087992	0.007827	0.003289	0.025976	0.093152	0.001800	0.000871	0.003777	0.000531	0.000415
General Light Industry	0.563336	0.028772	0.182262	0.087992	0.007827	0.003289	0.025976	0.093152	0.001800	0.000871	0.003777	0.000531	0.000415
Government Office Building	0.563336	0.028772	0.182262	0.087992	0.007827	0.003289	0.025976	0.093152	0.001800	0.000871	0.003777	0.000531	0.000415
Office Park	0.563336	0.028772	0.182262	0.087992	0.007827	0.003289	0.025976	0.093152	0.001800	0.000871	0.003777	0.000531	0.000415
Refrigerated Warehouse-No Rail	0.563336	0.028772	0.182262	0.087992	0.007827	0.003289	0.025976	0.093152	0.001800	0.000871	0.003777	0.000531	0.000415

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	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	0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Mitigated	0.1972	1.7923	1.5056	0.0108		0.1362	0.1362		0.1362	0.1362	0.0000	1,951.1623	1,951.1623	0.0374	0.0358	1,962.7571
NaturalGas Unmitigated	0.1972	1.7923	1.5056	0.0108		0.1362	0.1362		0.1362	0.1362	0.0000	1,951.1623	1,951.1623	0.0374	0.0358	1,962.7571

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5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
General Light Industry	2.58162e+007	0.1392	1.2655	1.0630	7.5900e-003		0.0962	0.0962		0.0962	0.0962	0.0000	1,377.6502	1,377.6502	0.0264	0.0253	1,385.8369
Government Office Building	4.97205e+006	0.0268	0.2437	0.2047	1.4600e-003		0.0185	0.0185		0.0185	0.0185	0.0000	265.3275	265.3275	5.0900e-003	4.8600e-003	266.9042
Office Park	5.62666e+006	0.0303	0.2758	0.2317	1.6500e-003		0.0210	0.0210		0.0210	0.0210	0.0000	300.2600	300.2600	5.7500e-003	5.5000e-003	302.0443
Refrigerated Warehouse-No Rail	148500	8.0000e-004	7.2800e-003	6.1100e-003	4.0000e-005		5.5000e-004	5.5000e-004		5.5000e-004	5.5000e-004	0.0000	7.9245	7.9245	1.5000e-004	1.5000e-004	7.9716
Total		0.1972	1.7923	1.5056	0.0107		0.1362	0.1362		0.1362	0.1362	0.0000	1,951.1623	1,951.1623	0.0374	0.0358	1,962.7571

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5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
General Light Industry	2.58162e+007	0.1392	1.2655	1.0630	7.5900e-003		0.0962	0.0962		0.0962	0.0962	0.0000	1,377.6502	1,377.6502	0.0264	0.0253	1,385.8369
Government Office Building	4.97205e+006	0.0268	0.2437	0.2047	1.4600e-003		0.0185	0.0185		0.0185	0.0185	0.0000	265.3275	265.3275	5.0900e-003	4.8600e-003	266.9042
Office Park	5.62666e+006	0.0303	0.2758	0.2317	1.6500e-003		0.0210	0.0210		0.0210	0.0210	0.0000	300.2600	300.2600	5.7500e-003	5.5000e-003	302.0443
Refrigerated Warehouse-No Rail	148500	8.0000e-004	7.2800e-003	6.1100e-003	4.0000e-005		5.5000e-004	5.5000e-004		5.5000e-004	5.5000e-004	0.0000	7.9245	7.9245	1.5000e-004	1.5000e-004	7.9716
Total		0.1972	1.7923	1.5056	0.0107		0.1362	0.1362		0.1362	0.1362	0.0000	1,951.1623	1,951.1623	0.0374	0.0358	1,962.7571

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5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
General Light Industry	1.09103e+007	0.0000	0.0000	0.0000	0.0000
Government Office Building	3.47472e+006	0.0000	0.0000	0.0000	0.0000
Office Park	2.88002e+006	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	2.46609e+007	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

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5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
General Light Industry	1.09103e+007	0.0000	0.0000	0.0000	0.0000
Government Office Building	3.47472e+006	0.0000	0.0000	0.0000	0.0000
Office Park	2.88002e+006	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	2.46609e+007	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

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	15.7429	2.4000e-004	0.0262	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005	0.0000	0.0513	0.0513	1.3000e-004	0.0000	0.0546
Unmitigated	15.7429	2.4000e-004	0.0262	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005	0.0000	0.0513	0.0513	1.3000e-004	0.0000	0.0546

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	2.3786					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	13.3618					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.4000e-003	2.4000e-004	0.0262	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005	0.0000	0.0513	0.0513	1.3000e-004	0.0000	0.0546
Total	15.7429	2.4000e-004	0.0262	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005	0.0000	0.0513	0.0513	1.3000e-004	0.0000	0.0546

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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	2.3786					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	13.3618					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.4000e-003	2.4000e-004	0.0262	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005	0.0000	0.0513	0.0513	1.3000e-004	0.0000	0.0546
Total	15.7429	2.4000e-004	0.0262	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005	0.0000	0.0513	0.0513	1.3000e-004	0.0000	0.0546

7.0 Water Detail

7.1 Mitigation Measures Water

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	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	201.3240	20.6779	0.4883	863.7702
Unmitigated	201.3240	20.6779	0.4883	863.7702

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 15.4893	0.0000	0.0000	0.0000	0.0000
General Light Industry	286.056 / 0	90.7525	9.3212	0.2201	389.3687
Government Office Building	75.6893 / 46.3902	24.0127	2.4663	0.0582	103.0254
Office Park	43.9002 / 26.9066	13.9275	1.4305	0.0338	59.7553
Refrigerated Warehouse-No Rail	228.938 / 0	72.6313	7.4599	0.1762	311.6209
Total		201.3240	20.6779	0.4883	863.7702

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7.2 Water by Land Use**Mitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 15.4893	0.0000	0.0000	0.0000	0.0000
General Light Industry	286.056 / 0	90.7525	9.3212	0.2201	389.3687
Government Office Building	75.6893 / 46.3902	24.0127	2.4663	0.0582	103.0254
Office Park	43.9002 / 26.9066	13.9275	1.4305	0.0338	59.7553
Refrigerated Warehouse-No Rail	228.938 / 0	72.6313	7.4599	0.1762	311.6209
Total		201.3240	20.6779	0.4883	863.7702

8.0 Waste Detail**8.1 Mitigation Measures Waste**

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Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	619.0494	36.5848	0.0000	1,533.6686
Unmitigated	619.0494	36.5848	0.0000	1,533.6686

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	1.12	0.2274	0.0134	0.0000	0.5633
General Light Industry	1533.88	311.3638	18.4011	0.0000	771.3906
Government Office Building	354.33	71.9258	4.2507	0.0000	178.1931
Office Park	229.71	46.6291	2.7557	0.0000	115.5215
Refrigerated Warehouse-No Rail	930.6	188.9034	11.1639	0.0000	468.0002
Total		619.0494	36.5848	0.0000	1,533.6686

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8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	1.12	0.2274	0.0134	0.0000	0.5633
General Light Industry	1533.88	311.3638	18.4011	0.0000	771.3906
Government Office Building	354.33	71.9258	4.2507	0.0000	178.1931
Office Park	229.71	46.6291	2.7557	0.0000	115.5215
Refrigerated Warehouse-No Rail	930.6	188.9034	11.1639	0.0000	468.0002
Total		619.0494	36.5848	0.0000	1,533.6686

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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11.0 Vegetation

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**Crows Landing_Phase 3
Stanislaus County, Annual**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Government Office Building	196.00	1000sqft	18.00	196,000.00	0
Office Park	446.00	1000sqft	26.00	446,000.00	0
General Light Industry	2,230.00	1000sqft	128.00	2,230,000.00	0
Refrigerated Warehouse-No Rail	1,784.00	1000sqft	102.00	1,784,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	46
Climate Zone	3			Operational Year	2045

Utility Company

CO2 Intensity (lb/MW hr)	0	CH4 Intensity (lb/MW hr)	0	N2O Intensity (lb/MW hr)	0
---------------------------------	---	---------------------------------	---	---------------------------------	---

1.3 User Entered Comments & Non-Default Data

Crows Landing_Phase 3 - Stanislaus County, Annual

Project Characteristics -

Land Use - PD

Construction Phase - Assumes infrastructure is front-loaded

Grading - Total acreage

Construction Off-road Equipment Mitigation - Potential Tier 4 mitigation

Off-road Equipment -

Off-road Equipment -

Off-road Equipment - Trenching

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Vehicle Trips -

Area Coating -

Energy Use -

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	10.00

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tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	13.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	465.00	196.00
tblConstructionPhase	NumDays	180.00	76.00
tblConstructionPhase	NumDays	4,650.00	1,956.00
tblConstructionPhase	NumDays	330.00	139.00
tblConstructionPhase	NumDays	330.00	139.00
tblConstructionPhase	PhaseEndDate	6/21/2041	10/10/2039
tblConstructionPhase	PhaseEndDate	6/21/2041	4/17/2040
tblConstructionPhase	PhaseEndDate	9/9/2039	8/1/2040
tblConstructionPhase	PhaseEndDate	4/18/2059	1/30/2048
tblConstructionPhase	PhaseEndDate	7/23/2060	2/12/2041
tblConstructionPhase	PhaseEndDate	10/28/2061	2/12/2041

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tblConstructionPhase	PhaseStartDate	9/10/2039	1/10/2039
tblConstructionPhase	PhaseStartDate	6/22/2041	10/11/2039
tblConstructionPhase	PhaseStartDate	1/1/2039	4/18/2040
tblConstructionPhase	PhaseStartDate	6/22/2041	8/2/2040
tblConstructionPhase	PhaseStartDate	4/19/2059	8/2/2040
tblConstructionPhase	PhaseStartDate	7/24/2060	8/2/2040
tblGrading	AcresOfGrading	490.00	274.00
tblGrading	AcresOfGrading	0.00	274.00
tblLandUse	LotAcreage	4.50	18.00
tblLandUse	LotAcreage	10.24	26.00
tblLandUse	LotAcreage	51.19	128.00
tblLandUse	LotAcreage	40.96	102.00

2.0 Emissions Summary

Crows Landing_Phase 3 - Stanislaus County, Annual

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					
2039	0.3523	1.2412	2.7049	8.3600e-003	0.7554	0.0395	0.7948	0.3454	0.0395	0.3848	0.0000	771.0191	771.0191	0.0279	0.0000	771.7177
2040	25.6782	4.5869	4.7974	0.0250	2.1235	0.0379	2.1614	0.7424	0.0376	0.7799	0.0000	2,269.1118	2,269.1118	0.0913	0.0000	2,271.3954
2041	7.8236	8.6833	5.6132	0.0427	2.6787	0.0239	2.7026	0.7271	0.0232	0.7503	0.0000	3,959.0172	3,959.0172	0.1701	0.0000	3,963.2699
2042	0.5804	8.6118	5.2870	0.0419	2.6300	0.0219	2.6519	0.7142	0.0211	0.7353	0.0000	3,890.3527	3,890.3527	0.1685	0.0000	3,894.5644
2043	0.5804	8.6118	5.2870	0.0419	2.6300	0.0219	2.6519	0.7142	0.0211	0.7353	0.0000	3,890.3527	3,890.3527	0.1685	0.0000	3,894.5644
2044	0.5804	8.6118	5.2870	0.0419	2.6300	0.0219	2.6519	0.7142	0.0211	0.7353	0.0000	3,890.3527	3,890.3527	0.1685	0.0000	3,894.5644
2045	0.5415	8.5218	5.0990	0.0415	2.6200	0.0210	2.6409	0.7115	0.0203	0.7318	0.0000	3,852.8489	3,852.8489	0.1641	0.0000	3,856.9514
2046	0.5436	8.5546	5.1186	0.0417	2.6300	0.0211	2.6511	0.7142	0.0204	0.7346	0.0000	3,867.6676	3,867.6676	0.1647	0.0000	3,871.7858
2047	0.5436	8.5546	5.1186	0.0417	2.6300	0.0211	2.6511	0.7142	0.0204	0.7346	0.0000	3,867.6676	3,867.6676	0.1647	0.0000	3,871.7858
2048	0.0458	0.7211	0.4315	3.5100e-003	0.2217	1.7800e-003	0.2235	0.0602	1.7200e-003	0.0619	0.0000	326.0103	326.0103	0.0139	0.0000	326.3574
Maximum	25.6782	8.6833	5.6132	0.0427	2.6787	0.0395	2.7026	0.7424	0.0395	0.7799	0.0000	3,959.0172	3,959.0172	0.1701	0.0000	3,963.2699

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Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-1-2039	3-31-2039	0.3631	0.1189
2	4-1-2039	6-30-2039	0.4079	0.1335
3	7-1-2039	9-30-2039	0.4124	0.1350
4	10-1-2039	12-31-2039	0.4060	0.0886
5	1-1-2040	3-31-2040	0.3248	0.0818
6	4-1-2040	6-30-2040	0.4730	0.1274
7	7-1-2040	9-30-2040	11.7950	11.4641
8	10-1-2040	12-31-2040	17.8246	17.5164
9	1-1-2041	3-31-2041	9.5145	9.2778
10	4-1-2041	6-30-2041	2.2801	2.1006
11	7-1-2041	9-30-2041	2.3052	2.1237
12	10-1-2041	12-31-2041	2.3166	2.1351
13	1-1-2042	3-31-2042	2.2662	2.0886
14	4-1-2042	6-30-2042	2.2801	2.1006
15	7-1-2042	9-30-2042	2.3052	2.1237
16	10-1-2042	12-31-2042	2.3166	2.1351
17	1-1-2043	3-31-2043	2.2662	2.0886
18	4-1-2043	6-30-2043	2.2801	2.1006
19	7-1-2043	9-30-2043	2.3052	2.1237
20	10-1-2043	12-31-2043	2.3166	2.1351
21	1-1-2044	3-31-2044	2.2914	2.1119
22	4-1-2044	6-30-2044	2.2801	2.1006
23	7-1-2044	9-30-2044	2.3052	2.1237
24	10-1-2044	12-31-2044	2.3166	2.1351
25	1-1-2045	3-31-2045	2.2424	2.0648
26	4-1-2045	6-30-2045	2.2560	2.0764

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27	7-1-2045	9-30-2045	2.2807	2.0992
28	10-1-2045	12-31-2045	2.2922	2.1107
29	1-1-2046	3-31-2046	2.2424	2.0648
30	4-1-2046	6-30-2046	2.2560	2.0764
31	7-1-2046	9-30-2046	2.2807	2.0992
32	10-1-2046	12-31-2046	2.2922	2.1107
33	1-1-2047	3-31-2047	2.2424	2.0648
34	4-1-2047	6-30-2047	2.2560	2.0764
35	7-1-2047	9-30-2047	2.2807	2.0992
36	10-1-2047	12-31-2047	2.2922	2.1107
37	1-1-2048	3-31-2048	0.7475	0.6883
		Highest	17.8246	17.5164

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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	21.4250	3.8000e-004	0.0425	0.0000		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004	0.0000	0.0832	0.0832	2.1000e-004	0.0000	0.0886
Energy	0.3210	2.9179	2.4511	0.0175		0.2218	0.2218		0.2218	0.2218	0.0000	3,176.5010	3,176.5010	0.0609	0.0582	3,195.3773
Mobile	3.5286	55.1091	37.2626	0.3156	26.1759	0.1051	26.2811	7.0245	0.0986	7.1230	0.0000	29,432.7265	29,432.7265	1.6191	0.0000	29,473.2044
Waste						0.0000	0.0000		0.0000	0.0000	1,022.9161	0.0000	1,022.9161	60.4526	0.0000	2,534.2314
Water						0.0000	0.0000		0.0000	0.0000	331.9884	0.0000	331.9884	34.0984	0.8051	1,424.3791
Total	25.2746	58.0274	39.7562	0.3331	26.1759	0.3270	26.5030	7.0245	0.3205	7.3449	1,354.9045	32,609.3107	33,964.2152	96.2312	0.8634	36,627.2808

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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	21.4250	3.8000e-004	0.0425	0.0000		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004	0.0000	0.0832	0.0832	2.1000e-004	0.0000	0.0886
Energy	0.3210	2.9179	2.4511	0.0175		0.2218	0.2218		0.2218	0.2218	0.0000	3,176.5010	3,176.5010	0.0609	0.0582	3,195.3773
Mobile	3.5286	55.1091	37.2626	0.3156	26.1759	0.1051	26.2811	7.0245	0.0986	7.1230	0.0000	29,432.7265	29,432.7265	1.6191	0.0000	29,473.2044
Waste						0.0000	0.0000		0.0000	0.0000	1,022.9161	0.0000	1,022.9161	60.4526	0.0000	2,534.2314
Water						0.0000	0.0000		0.0000	0.0000	331.9884	0.0000	331.9884	34.0984	0.8051	1,424.3791
Total	25.2746	58.0274	39.7562	0.3331	26.1759	0.3270	26.5030	7.0245	0.3205	7.3449	1,354.9045	32,609.3107	33,964.2152	96.2312	0.8634	36,627.2808

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

3.0 Construction Detail

Construction Phase

Crows Landing_Phase 3 - Stanislaus County, Annual

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	4/18/2040	8/1/2040	5	76	
2	Grading	Grading	1/10/2039	10/10/2039	5	196	
3	Trenching	Trenching	10/11/2039	4/17/2040	5	136	
4	Building Construction	Building Construction	8/2/2040	1/30/2048	5	1956	
5	Paving	Paving	8/2/2040	2/12/2041	5	139	
6	Architectural Coating	Architectural Coating	8/2/2040	2/12/2041	5	139	

Acres of Grading (Site Preparation Phase): 274

Acres of Grading (Grading Phase): 274

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 6,984,000; Non-Residential Outdoor: 2,328,000; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

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Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
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
Trenching	Rubber Tired Dozers	3	8.00	247	0.40
Trenching	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

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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
Grading	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Trenching	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	10	25.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	10	25.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	1,891.00	763.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	378.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Site Preparation - 2040

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.8318	0.0000	0.8318	0.3931	0.0000	0.3931	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1250	0.4647	0.8430	2.9600e-003		0.0139	0.0139		0.0139	0.0139	0.0000	254.4314	254.4314	9.8500e-003	0.0000	254.6776
Total	0.1250	0.4647	0.8430	2.9600e-003	0.8318	0.0139	0.8457	0.3931	0.0139	0.4069	0.0000	254.4314	254.4314	9.8500e-003	0.0000	254.6776

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3.2 Site Preparation - 2040

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0100e-003	1.1300e-003	0.0166	9.0000e-005	0.0283	4.0000e-005	0.0284	7.2600e-003	4.0000e-005	7.3000e-003	0.0000	8.5316	8.5316	8.0000e-005	0.0000	8.5335
Total	2.0100e-003	1.1300e-003	0.0166	9.0000e-005	0.0283	4.0000e-005	0.0284	7.2600e-003	4.0000e-005	7.3000e-003	0.0000	8.5316	8.5316	8.0000e-005	0.0000	8.5335

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.3743	0.0000	0.3743	0.1769	0.0000	0.1769	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0296	0.1283	1.2301	2.9600e-003		3.9500e-003	3.9500e-003		3.9500e-003	3.9500e-003	0.0000	254.4311	254.4311	9.8500e-003	0.0000	254.6773
Total	0.0296	0.1283	1.2301	2.9600e-003	0.3743	3.9500e-003	0.3783	0.1769	3.9500e-003	0.1808	0.0000	254.4311	254.4311	9.8500e-003	0.0000	254.6773

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3.2 Site Preparation - 2040

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0100e-003	1.1300e-003	0.0166	9.0000e-005	0.0283	4.0000e-005	0.0284	7.2600e-003	4.0000e-005	7.3000e-003	0.0000	8.5316	8.5316	8.0000e-005	0.0000	8.5335
Total	2.0100e-003	1.1300e-003	0.0166	9.0000e-005	0.0283	4.0000e-005	0.0284	7.2600e-003	4.0000e-005	7.3000e-003	0.0000	8.5316	8.5316	8.0000e-005	0.0000	8.5335

3.3 Grading - 2039

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.7355	0.0000	0.7355	0.3401	0.0000	0.3401	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.2853	0.9402	2.2075	6.8500e-003		0.0308	0.0308		0.0308	0.0308	0.0000	641.2755	641.2755	0.0228	0.0000	641.8444
Total	0.2853	0.9402	2.2075	6.8500e-003	0.7355	0.0308	0.7662	0.3401	0.0308	0.3709	0.0000	641.2755	641.2755	0.0228	0.0000	641.8444

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3.3 Grading - 2039

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.8400e-003	1.4600e-003	0.0207	1.0000e-004	0.0157	6.0000e-005	0.0157	4.1600e-003	5.0000e-005	4.2100e-003	0.0000	9.2296	9.2296	1.1000e-004	0.0000	9.2322
Total	2.8400e-003	1.4600e-003	0.0207	1.0000e-004	0.0157	6.0000e-005	0.0157	4.1600e-003	5.0000e-005	4.2100e-003	0.0000	9.2296	9.2296	1.1000e-004	0.0000	9.2322

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.3310	0.0000	0.3310	0.1530	0.0000	0.1530	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0746	0.3234	3.2339	6.8500e-003		9.9500e-003	9.9500e-003		9.9500e-003	9.9500e-003	0.0000	641.2748	641.2748	0.0228	0.0000	641.8436
Total	0.0746	0.3234	3.2339	6.8500e-003	0.3310	9.9500e-003	0.3409	0.1530	9.9500e-003	0.1630	0.0000	641.2748	641.2748	0.0228	0.0000	641.8436

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3.3 Grading - 2039

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.8400e-003	1.4600e-003	0.0207	1.0000e-004	0.0157	6.0000e-005	0.0157	4.1600e-003	5.0000e-005	4.2100e-003	0.0000	9.2296	9.2296	1.1000e-004	0.0000	9.2322
Total	2.8400e-003	1.4600e-003	0.0207	1.0000e-004	0.0157	6.0000e-005	0.0157	4.1600e-003	5.0000e-005	4.2100e-003	0.0000	9.2296	9.2296	1.1000e-004	0.0000	9.2322

3.4 Trenching - 2039

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0634	0.2991	0.4712	1.3700e-003		8.5900e-003	8.5900e-003		8.5900e-003	8.5900e-003	0.0000	118.0136	118.0136	5.0600e-003	0.0000	118.1400
Total	0.0634	0.2991	0.4712	1.3700e-003		8.5900e-003	8.5900e-003		8.5900e-003	8.5900e-003	0.0000	118.0136	118.0136	5.0600e-003	0.0000	118.1400

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3.4 Trenching - 2039

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.7000e-004	3.9000e-004	5.5900e-003	3.0000e-005	4.2400e-003	2.0000e-005	4.2600e-003	1.1300e-003	1.0000e-005	1.1400e-003	0.0000	2.5005	2.5005	3.0000e-005	0.0000	2.5012
Total	7.7000e-004	3.9000e-004	5.5900e-003	3.0000e-005	4.2400e-003	2.0000e-005	4.2600e-003	1.1300e-003	1.0000e-005	1.1400e-003	0.0000	2.5005	2.5005	3.0000e-005	0.0000	2.5012

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0137	0.0595	0.6156	1.3700e-003		1.8300e-003	1.8300e-003		1.8300e-003	1.8300e-003	0.0000	118.0135	118.0135	5.0600e-003	0.0000	118.1399
Total	0.0137	0.0595	0.6156	1.3700e-003		1.8300e-003	1.8300e-003		1.8300e-003	1.8300e-003	0.0000	118.0135	118.0135	5.0600e-003	0.0000	118.1399

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3.4 Trenching - 2039

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.7000e-004	3.9000e-004	5.5900e-003	3.0000e-005	4.2400e-003	2.0000e-005	4.2600e-003	1.1300e-003	1.0000e-005	1.1400e-003	0.0000	2.5005	2.5005	3.0000e-005	0.0000	2.5012
Total	7.7000e-004	3.9000e-004	5.5900e-003	3.0000e-005	4.2400e-003	2.0000e-005	4.2600e-003	1.1300e-003	1.0000e-005	1.1400e-003	0.0000	2.5005	2.5005	3.0000e-005	0.0000	2.5012

3.4 Trenching - 2040

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0757	0.3078	0.6075	1.7900e-003		7.8000e-003	7.8000e-003		7.8000e-003	7.8000e-003	0.0000	154.0178	154.0178	5.9600e-003	0.0000	154.1668
Total	0.0757	0.3078	0.6075	1.7900e-003		7.8000e-003	7.8000e-003		7.8000e-003	7.8000e-003	0.0000	154.0178	154.0178	5.9600e-003	0.0000	154.1668

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3.4 Trenching - 2040

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.3000e-004	4.1000e-004	6.0600e-003	3.0000e-005	5.5400e-003	1.0000e-005	5.5500e-003	1.4700e-003	1.0000e-005	1.4900e-003	0.0000	3.1118	3.1118	3.0000e-005	0.0000	3.1125
Total	7.3000e-004	4.1000e-004	6.0600e-003	3.0000e-005	5.5400e-003	1.0000e-005	5.5500e-003	1.4700e-003	1.0000e-005	1.4900e-003	0.0000	3.1118	3.1118	3.0000e-005	0.0000	3.1125

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0179	0.0777	0.8035	1.7900e-003		2.3900e-003	2.3900e-003		2.3900e-003	2.3900e-003	0.0000	154.0176	154.0176	5.9600e-003	0.0000	154.1666
Total	0.0179	0.0777	0.8035	1.7900e-003		2.3900e-003	2.3900e-003		2.3900e-003	2.3900e-003	0.0000	154.0176	154.0176	5.9600e-003	0.0000	154.1666

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3.4 Trenching - 2040

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.3000e-004	4.1000e-004	6.0600e-003	3.0000e-005	5.5400e-003	1.0000e-005	5.5500e-003	1.4700e-003	1.0000e-005	1.4900e-003	0.0000	3.1118	3.1118	3.0000e-005	0.0000	3.1125
Total	7.3000e-004	4.1000e-004	6.0600e-003	3.0000e-005	5.5400e-003	1.0000e-005	5.5500e-003	1.4700e-003	1.0000e-005	1.4900e-003	0.0000	3.1118	3.1118	3.0000e-005	0.0000	3.1125

3.5 Building Construction - 2040

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0646	0.3721	0.8704	1.6700e-003		3.9800e-003	3.9800e-003		3.9800e-003	3.9800e-003	0.0000	141.9450	141.9450	5.1000e-003	0.0000	142.0725
Total	0.0646	0.3721	0.8704	1.6700e-003		3.9800e-003	3.9800e-003		3.9800e-003	3.9800e-003	0.0000	141.9450	141.9450	5.1000e-003	0.0000	142.0725

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3.5 Building Construction - 2040

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0676	3.1305	0.4242	0.0106	0.2724	2.8600e-003	0.2753	0.0787	2.7300e-003	0.0814	0.0000	1,009.3331	1,009.3331	0.0605	0.0000	1,010.8452
Worker	0.1079	0.0609	0.8932	5.0600e-003	0.8159	2.2000e-003	0.8181	0.2169	2.0300e-003	0.2189	0.0000	458.5231	458.5231	4.1300e-003	0.0000	458.6262
Total	0.1755	3.1914	1.3173	0.0157	1.0883	5.0600e-003	1.0934	0.2955	4.7600e-003	0.3003	0.0000	1,467.8561	1,467.8561	0.0646	0.0000	1,469.4714

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0177	0.1207	0.9429	1.6700e-003		2.2000e-003	2.2000e-003		2.2000e-003	2.2000e-003	0.0000	141.9448	141.9448	5.1000e-003	0.0000	142.0723
Total	0.0177	0.1207	0.9429	1.6700e-003		2.2000e-003	2.2000e-003		2.2000e-003	2.2000e-003	0.0000	141.9448	141.9448	5.1000e-003	0.0000	142.0723

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3.5 Building Construction - 2040

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0676	3.1305	0.4242	0.0106	0.2724	2.8600e-003	0.2753	0.0787	2.7300e-003	0.0814	0.0000	1,009.3331	1,009.3331	0.0605	0.0000	1,010.8452
Worker	0.1079	0.0609	0.8932	5.0600e-003	0.8159	2.2000e-003	0.8181	0.2169	2.0300e-003	0.2189	0.0000	458.5231	458.5231	4.1300e-003	0.0000	458.6262
Total	0.1755	3.1914	1.3173	0.0157	1.0883	5.0600e-003	1.0934	0.2955	4.7600e-003	0.3003	0.0000	1,467.8561	1,467.8561	0.0646	0.0000	1,469.4714

3.5 Building Construction - 2041

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1562	0.8992	2.1035	4.0400e-003		9.6200e-003	9.6200e-003		9.6200e-003	9.6200e-003	0.0000	343.0337	343.0337	0.0123	0.0000	343.3419
Total	0.1562	0.8992	2.1035	4.0400e-003		9.6200e-003	9.6200e-003		9.6200e-003	9.6200e-003	0.0000	343.0337	343.0337	0.0123	0.0000	343.3419

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3.5 Building Construction - 2041

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1634	7.5654	1.0251	0.0257	0.6584	6.9100e-003	0.6653	0.1901	6.6100e-003	0.1967	0.0000	2,439.2216	2,439.2216	0.1462	0.0000	2,442.8759
Worker	0.2607	0.1471	2.1585	0.0122	1.9717	5.3200e-003	1.9770	0.5241	4.9000e-003	0.5290	0.0000	1,108.0974	1,108.0974	9.9700e-003	0.0000	1,108.3467
Total	0.4241	7.7126	3.1835	0.0379	2.6300	0.0122	2.6423	0.7142	0.0115	0.7257	0.0000	3,547.3190	3,547.3190	0.1561	0.0000	3,551.2225

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0428	0.2916	2.2786	4.0400e-003		5.3200e-003	5.3200e-003		5.3200e-003	5.3200e-003	0.0000	343.0333	343.0333	0.0123	0.0000	343.3415
Total	0.0428	0.2916	2.2786	4.0400e-003		5.3200e-003	5.3200e-003		5.3200e-003	5.3200e-003	0.0000	343.0333	343.0333	0.0123	0.0000	343.3415

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3.5 Building Construction - 2041

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1634	7.5654	1.0251	0.0257	0.6584	6.9100e-003	0.6653	0.1901	6.6100e-003	0.1967	0.0000	2,439.2216	2,439.2216	0.1462	0.0000	2,442.8759
Worker	0.2607	0.1471	2.1585	0.0122	1.9717	5.3200e-003	1.9770	0.5241	4.9000e-003	0.5290	0.0000	1,108.0974	1,108.0974	9.9700e-003	0.0000	1,108.3467
Total	0.4241	7.7126	3.1835	0.0379	2.6300	0.0122	2.6423	0.7142	0.0115	0.7257	0.0000	3,547.3190	3,547.3190	0.1561	0.0000	3,551.2225

3.5 Building Construction - 2042

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1562	0.8992	2.1035	4.0400e-003		9.6200e-003	9.6200e-003		9.6200e-003	9.6200e-003	0.0000	343.0337	343.0337	0.0123	0.0000	343.3419
Total	0.1562	0.8992	2.1035	4.0400e-003		9.6200e-003	9.6200e-003		9.6200e-003	9.6200e-003	0.0000	343.0337	343.0337	0.0123	0.0000	343.3419

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3.5 Building Construction - 2042

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1634	7.5654	1.0251	0.0257	0.6584	6.9100e-003	0.6653	0.1901	6.6100e-003	0.1967	0.0000	2,439.2216	2,439.2216	0.1462	0.0000	2,442.8759
Worker	0.2607	0.1471	2.1585	0.0122	1.9717	5.3200e-003	1.9770	0.5241	4.9000e-003	0.5290	0.0000	1,108.0974	1,108.0974	9.9700e-003	0.0000	1,108.3467
Total	0.4241	7.7126	3.1835	0.0379	2.6300	0.0122	2.6423	0.7142	0.0115	0.7257	0.0000	3,547.3190	3,547.3190	0.1561	0.0000	3,551.2225

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0428	0.2916	2.2786	4.0400e-003		5.3200e-003	5.3200e-003		5.3200e-003	5.3200e-003	0.0000	343.0333	343.0333	0.0123	0.0000	343.3415
Total	0.0428	0.2916	2.2786	4.0400e-003		5.3200e-003	5.3200e-003		5.3200e-003	5.3200e-003	0.0000	343.0333	343.0333	0.0123	0.0000	343.3415

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3.5 Building Construction - 2042

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1634	7.5654	1.0251	0.0257	0.6584	6.9100e-003	0.6653	0.1901	6.6100e-003	0.1967	0.0000	2,439.2216	2,439.2216	0.1462	0.0000	2,442.8759
Worker	0.2607	0.1471	2.1585	0.0122	1.9717	5.3200e-003	1.9770	0.5241	4.9000e-003	0.5290	0.0000	1,108.0974	1,108.0974	9.9700e-003	0.0000	1,108.3467
Total	0.4241	7.7126	3.1835	0.0379	2.6300	0.0122	2.6423	0.7142	0.0115	0.7257	0.0000	3,547.3190	3,547.3190	0.1561	0.0000	3,551.2225

3.5 Building Construction - 2043

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1562	0.8992	2.1035	4.0400e-003		9.6200e-003	9.6200e-003		9.6200e-003	9.6200e-003	0.0000	343.0337	343.0337	0.0123	0.0000	343.3419
Total	0.1562	0.8992	2.1035	4.0400e-003		9.6200e-003	9.6200e-003		9.6200e-003	9.6200e-003	0.0000	343.0337	343.0337	0.0123	0.0000	343.3419

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3.5 Building Construction - 2043

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1634	7.5654	1.0251	0.0257	0.6584	6.9100e-003	0.6653	0.1901	6.6100e-003	0.1967	0.0000	2,439.2216	2,439.2216	0.1462	0.0000	2,442.8759
Worker	0.2607	0.1471	2.1585	0.0122	1.9717	5.3200e-003	1.9770	0.5241	4.9000e-003	0.5290	0.0000	1,108.0974	1,108.0974	9.9700e-003	0.0000	1,108.3467
Total	0.4241	7.7126	3.1835	0.0379	2.6300	0.0122	2.6423	0.7142	0.0115	0.7257	0.0000	3,547.3190	3,547.3190	0.1561	0.0000	3,551.2225

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0428	0.2916	2.2786	4.0400e-003		5.3200e-003	5.3200e-003		5.3200e-003	5.3200e-003	0.0000	343.0333	343.0333	0.0123	0.0000	343.3415
Total	0.0428	0.2916	2.2786	4.0400e-003		5.3200e-003	5.3200e-003		5.3200e-003	5.3200e-003	0.0000	343.0333	343.0333	0.0123	0.0000	343.3415

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3.5 Building Construction - 2043

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1634	7.5654	1.0251	0.0257	0.6584	6.9100e-003	0.6653	0.1901	6.6100e-003	0.1967	0.0000	2,439.2216	2,439.2216	0.1462	0.0000	2,442.8759
Worker	0.2607	0.1471	2.1585	0.0122	1.9717	5.3200e-003	1.9770	0.5241	4.9000e-003	0.5290	0.0000	1,108.0974	1,108.0974	9.9700e-003	0.0000	1,108.3467
Total	0.4241	7.7126	3.1835	0.0379	2.6300	0.0122	2.6423	0.7142	0.0115	0.7257	0.0000	3,547.3190	3,547.3190	0.1561	0.0000	3,551.2225

3.5 Building Construction - 2044

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1562	0.8992	2.1035	4.0400e-003		9.6200e-003	9.6200e-003		9.6200e-003	9.6200e-003	0.0000	343.0337	343.0337	0.0123	0.0000	343.3419
Total	0.1562	0.8992	2.1035	4.0400e-003		9.6200e-003	9.6200e-003		9.6200e-003	9.6200e-003	0.0000	343.0337	343.0337	0.0123	0.0000	343.3419

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3.5 Building Construction - 2044

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1634	7.5654	1.0251	0.0257	0.6584	6.9100e-003	0.6653	0.1901	6.6100e-003	0.1967	0.0000	2,439.2216	2,439.2216	0.1462	0.0000	2,442.8759
Worker	0.2607	0.1471	2.1585	0.0122	1.9717	5.3200e-003	1.9770	0.5241	4.9000e-003	0.5290	0.0000	1,108.0974	1,108.0974	9.9700e-003	0.0000	1,108.3467
Total	0.4241	7.7126	3.1835	0.0379	2.6300	0.0122	2.6423	0.7142	0.0115	0.7257	0.0000	3,547.3190	3,547.3190	0.1561	0.0000	3,551.2225

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0428	0.2916	2.2786	4.0400e-003		5.3200e-003	5.3200e-003		5.3200e-003	5.3200e-003	0.0000	343.0333	343.0333	0.0123	0.0000	343.3415
Total	0.0428	0.2916	2.2786	4.0400e-003		5.3200e-003	5.3200e-003		5.3200e-003	5.3200e-003	0.0000	343.0333	343.0333	0.0123	0.0000	343.3415

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3.5 Building Construction - 2044

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1634	7.5654	1.0251	0.0257	0.6584	6.9100e-003	0.6653	0.1901	6.6100e-003	0.1967	0.0000	2,439.2216	2,439.2216	0.1462	0.0000	2,442.8759
Worker	0.2607	0.1471	2.1585	0.0122	1.9717	5.3200e-003	1.9770	0.5241	4.9000e-003	0.5290	0.0000	1,108.0974	1,108.0974	9.9700e-003	0.0000	1,108.3467
Total	0.4241	7.7126	3.1835	0.0379	2.6300	0.0122	2.6423	0.7142	0.0115	0.7257	0.0000	3,547.3190	3,547.3190	0.1561	0.0000	3,551.2225

3.5 Building Construction - 2045

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.1556	0.8957	2.0954	4.0200e-003		9.5800e-003	9.5800e-003		9.5800e-003	9.5800e-003	0.0000	341.7194	341.7194	0.0123	0.0000	342.0264
Total	0.1556	0.8957	2.0954	4.0200e-003		9.5800e-003	9.5800e-003		9.5800e-003	9.5800e-003	0.0000	341.7194	341.7194	0.0123	0.0000	342.0264

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3.5 Building Construction - 2045

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1626	7.4917	1.0186	0.0255	0.6558	6.8300e-003	0.6627	0.1894	6.5300e-003	0.1959	0.0000	2,427.1760	2,427.1760	0.1429	0.0000	2,430.7485
Worker	0.2233	0.1344	1.9850	0.0120	1.9641	4.5700e-003	1.9687	0.5221	4.2000e-003	0.5263	0.0000	1,083.9535	1,083.9535	8.9200e-003	0.0000	1,084.1765
Total	0.3859	7.6261	3.0036	0.0375	2.6200	0.0114	2.6314	0.7115	0.0107	0.7222	0.0000	3,511.1295	3,511.1295	0.1518	0.0000	3,514.9250

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0426	0.2905	2.2698	4.0200e-003		5.3000e-003	5.3000e-003		5.3000e-003	5.3000e-003	0.0000	341.7190	341.7190	0.0123	0.0000	342.0260
Total	0.0426	0.2905	2.2698	4.0200e-003		5.3000e-003	5.3000e-003		5.3000e-003	5.3000e-003	0.0000	341.7190	341.7190	0.0123	0.0000	342.0260

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3.5 Building Construction - 2045

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1626	7.4917	1.0186	0.0255	0.6558	6.8300e-003	0.6627	0.1894	6.5300e-003	0.1959	0.0000	2,427.1760	2,427.1760	0.1429	0.0000	2,430.7485
Worker	0.2233	0.1344	1.9850	0.0120	1.9641	4.5700e-003	1.9687	0.5221	4.2000e-003	0.5263	0.0000	1,083.9535	1,083.9535	8.9200e-003	0.0000	1,084.1765
Total	0.3859	7.6261	3.0036	0.0375	2.6200	0.0114	2.6314	0.7115	0.0107	0.7222	0.0000	3,511.1295	3,511.1295	0.1518	0.0000	3,514.9250

3.5 Building Construction - 2046

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1562	0.8992	2.1035	4.0400e-003		9.6200e-003	9.6200e-003		9.6200e-003	9.6200e-003	0.0000	343.0337	343.0337	0.0123	0.0000	343.3419
Total	0.1562	0.8992	2.1035	4.0400e-003		9.6200e-003	9.6200e-003		9.6200e-003	9.6200e-003	0.0000	343.0337	343.0337	0.0123	0.0000	343.3419

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3.5 Building Construction - 2046

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1632	7.5205	1.0225	0.0256	0.6583	6.8600e-003	0.6652	0.1901	6.5600e-003	0.1967	0.0000	2,436.5113	2,436.5113	0.1435	0.0000	2,440.0975
Worker	0.2242	0.1349	1.9927	0.0120	1.9717	4.5800e-003	1.9763	0.5241	4.2200e-003	0.5283	0.0000	1,088.1225	1,088.1225	8.9600e-003	0.0000	1,088.3464
Total	0.3874	7.6554	3.0152	0.0376	2.6300	0.0114	2.6415	0.7142	0.0108	0.7250	0.0000	3,524.6339	3,524.6339	0.1524	0.0000	3,528.4440

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0428	0.2916	2.2786	4.0400e-003		5.3200e-003	5.3200e-003		5.3200e-003	5.3200e-003	0.0000	343.0333	343.0333	0.0123	0.0000	343.3415
Total	0.0428	0.2916	2.2786	4.0400e-003		5.3200e-003	5.3200e-003		5.3200e-003	5.3200e-003	0.0000	343.0333	343.0333	0.0123	0.0000	343.3415

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3.5 Building Construction - 2046

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1632	7.5205	1.0225	0.0256	0.6583	6.8600e-003	0.6652	0.1901	6.5600e-003	0.1967	0.0000	2,436.5113	2,436.5113	0.1435	0.0000	2,440.0975
Worker	0.2242	0.1349	1.9927	0.0120	1.9717	4.5800e-003	1.9763	0.5241	4.2200e-003	0.5283	0.0000	1,088.1225	1,088.1225	8.9600e-003	0.0000	1,088.3464
Total	0.3874	7.6554	3.0152	0.0376	2.6300	0.0114	2.6415	0.7142	0.0108	0.7250	0.0000	3,524.6339	3,524.6339	0.1524	0.0000	3,528.4440

3.5 Building Construction - 2047

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1562	0.8992	2.1035	4.0400e-003		9.6200e-003	9.6200e-003		9.6200e-003	9.6200e-003	0.0000	343.0337	343.0337	0.0123	0.0000	343.3419
Total	0.1562	0.8992	2.1035	4.0400e-003		9.6200e-003	9.6200e-003		9.6200e-003	9.6200e-003	0.0000	343.0337	343.0337	0.0123	0.0000	343.3419

Crows Landing_Phase 3 - Stanislaus County, Annual

3.5 Building Construction - 2047

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1632	7.5205	1.0225	0.0256	0.6583	6.8600e-003	0.6652	0.1901	6.5600e-003	0.1967	0.0000	2,436.5113	2,436.5113	0.1435	0.0000	2,440.0975
Worker	0.2242	0.1349	1.9927	0.0120	1.9717	4.5800e-003	1.9763	0.5241	4.2200e-003	0.5283	0.0000	1,088.1225	1,088.1225	8.9600e-003	0.0000	1,088.3464
Total	0.3874	7.6554	3.0152	0.0376	2.6300	0.0114	2.6415	0.7142	0.0108	0.7250	0.0000	3,524.6339	3,524.6339	0.1524	0.0000	3,528.4440

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0428	0.2916	2.2786	4.0400e-003		5.3200e-003	5.3200e-003		5.3200e-003	5.3200e-003	0.0000	343.0333	343.0333	0.0123	0.0000	343.3415
Total	0.0428	0.2916	2.2786	4.0400e-003		5.3200e-003	5.3200e-003		5.3200e-003	5.3200e-003	0.0000	343.0333	343.0333	0.0123	0.0000	343.3415

Crows Landing_Phase 3 - Stanislaus County, Annual

3.5 Building Construction - 2047

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1632	7.5205	1.0225	0.0256	0.6583	6.8600e-003	0.6652	0.1901	6.5600e-003	0.1967	0.0000	2,436.5113	2,436.5113	0.1435	0.0000	2,440.0975
Worker	0.2242	0.1349	1.9927	0.0120	1.9717	4.5800e-003	1.9763	0.5241	4.2200e-003	0.5283	0.0000	1,088.1225	1,088.1225	8.9600e-003	0.0000	1,088.3464
Total	0.3874	7.6554	3.0152	0.0376	2.6300	0.0114	2.6415	0.7142	0.0108	0.7250	0.0000	3,524.6339	3,524.6339	0.1524	0.0000	3,528.4440

3.5 Building Construction - 2048

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0132	0.0758	0.1773	3.4000e-004		8.1000e-004	8.1000e-004		8.1000e-004	8.1000e-004	0.0000	28.9147	28.9147	1.0400e-003	0.0000	28.9407
Total	0.0132	0.0758	0.1773	3.4000e-004		8.1000e-004	8.1000e-004		8.1000e-004	8.1000e-004	0.0000	28.9147	28.9147	1.0400e-003	0.0000	28.9407

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3.5 Building Construction - 2048

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0138	0.6339	0.0862	2.1600e-003	0.0555	5.8000e-004	0.0561	0.0160	5.5000e-004	0.0166	0.0000	205.3764	205.3764	0.0121	0.0000	205.6787
Worker	0.0189	0.0114	0.1680	1.0100e-003	0.1662	3.9000e-004	0.1666	0.0442	3.6000e-004	0.0445	0.0000	91.7191	91.7191	7.5000e-004	0.0000	91.7380
Total	0.0327	0.6453	0.2542	3.1700e-003	0.2217	9.7000e-004	0.2227	0.0602	9.1000e-004	0.0611	0.0000	297.0956	297.0956	0.0128	0.0000	297.4167

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	3.6100e-003	0.0246	0.1921	3.4000e-004		4.5000e-004	4.5000e-004		4.5000e-004	4.5000e-004	0.0000	28.9147	28.9147	1.0400e-003	0.0000	28.9407
Total	3.6100e-003	0.0246	0.1921	3.4000e-004		4.5000e-004	4.5000e-004		4.5000e-004	4.5000e-004	0.0000	28.9147	28.9147	1.0400e-003	0.0000	28.9407

Crows Landing_Phase 3 - Stanislaus County, Annual

3.5 Building Construction - 2048

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0138	0.6339	0.0862	2.1600e-003	0.0555	5.8000e-004	0.0561	0.0160	5.5000e-004	0.0166	0.0000	205.3764	205.3764	0.0121	0.0000	205.6787
Worker	0.0189	0.0114	0.1680	1.0100e-003	0.1662	3.9000e-004	0.1666	0.0442	3.6000e-004	0.0445	0.0000	91.7191	91.7191	7.5000e-004	0.0000	91.7380
Total	0.0327	0.6453	0.2542	3.1700e-003	0.2217	9.7000e-004	0.2227	0.0602	9.1000e-004	0.0611	0.0000	297.0956	297.0956	0.0128	0.0000	297.4167

3.6 Paving - 2040

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0546	0.1975	0.8542	1.5100e-003		6.2900e-003	6.2900e-003		6.2900e-003	6.2900e-003	0.0000	130.1374	130.1374	4.3700e-003	0.0000	130.2467
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0546	0.1975	0.8542	1.5100e-003		6.2900e-003	6.2900e-003		6.2900e-003	6.2900e-003	0.0000	130.1374	130.1374	4.3700e-003	0.0000	130.2467

Crows Landing_Phase 3 - Stanislaus County, Annual

3.6 Paving - 2040

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.6000e-004	4.8000e-004	7.0800e-003	4.0000e-005	6.4700e-003	2.0000e-005	6.4900e-003	1.7200e-003	2.0000e-005	1.7400e-003	0.0000	3.6372	3.6372	3.0000e-005	0.0000	3.6380
Total	8.6000e-004	4.8000e-004	7.0800e-003	4.0000e-005	6.4700e-003	2.0000e-005	6.4900e-003	1.7200e-003	2.0000e-005	1.7400e-003	0.0000	3.6372	3.6372	3.0000e-005	0.0000	3.6380

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0152	0.0656	0.9340	1.5100e-003		2.0200e-003	2.0200e-003		2.0200e-003	2.0200e-003	0.0000	130.1372	130.1372	4.3700e-003	0.0000	130.2466
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0152	0.0656	0.9340	1.5100e-003		2.0200e-003	2.0200e-003		2.0200e-003	2.0200e-003	0.0000	130.1372	130.1372	4.3700e-003	0.0000	130.2466

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3.6 Paving - 2040

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.6000e-004	4.8000e-004	7.0800e-003	4.0000e-005	6.4700e-003	2.0000e-005	6.4900e-003	1.7200e-003	2.0000e-005	1.7400e-003	0.0000	3.6372	3.6372	3.0000e-005	0.0000	3.6380
Total	8.6000e-004	4.8000e-004	7.0800e-003	4.0000e-005	6.4700e-003	2.0000e-005	6.4900e-003	1.7200e-003	2.0000e-005	1.7400e-003	0.0000	3.6372	3.6372	3.0000e-005	0.0000	3.6380

3.6 Paving - 2041

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0157	0.0567	0.2452	4.3000e-004		1.8000e-003	1.8000e-003		1.8000e-003	1.8000e-003	0.0000	37.3543	37.3543	1.2600e-003	0.0000	37.3856
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0157	0.0567	0.2452	4.3000e-004		1.8000e-003	1.8000e-003		1.8000e-003	1.8000e-003	0.0000	37.3543	37.3543	1.2600e-003	0.0000	37.3856

Crows Landing_Phase 3 - Stanislaus County, Annual

3.6 Paving - 2041

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.5000e-004	1.4000e-004	2.0300e-003	1.0000e-005	1.8600e-003	1.0000e-005	1.8600e-003	4.9000e-004	0.0000	5.0000e-004	0.0000	1.0440	1.0440	1.0000e-005	0.0000	1.0442
Total	2.5000e-004	1.4000e-004	2.0300e-003	1.0000e-005	1.8600e-003	1.0000e-005	1.8600e-003	4.9000e-004	0.0000	5.0000e-004	0.0000	1.0440	1.0440	1.0000e-005	0.0000	1.0442

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	4.3500e-003	0.0188	0.2681	4.3000e-004		5.8000e-004	5.8000e-004		5.8000e-004	5.8000e-004	0.0000	37.3542	37.3542	1.2600e-003	0.0000	37.3856
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	4.3500e-003	0.0188	0.2681	4.3000e-004		5.8000e-004	5.8000e-004		5.8000e-004	5.8000e-004	0.0000	37.3542	37.3542	1.2600e-003	0.0000	37.3856

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3.6 Paving - 2041

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.5000e-004	1.4000e-004	2.0300e-003	1.0000e-005	1.8600e-003	1.0000e-005	1.8600e-003	4.9000e-004	0.0000	5.0000e-004	0.0000	1.0440	1.0440	1.0000e-005	0.0000	1.0442
Total	2.5000e-004	1.4000e-004	2.0300e-003	1.0000e-005	1.8600e-003	1.0000e-005	1.8600e-003	4.9000e-004	0.0000	5.0000e-004	0.0000	1.0440	1.0440	1.0000e-005	0.0000	1.0442

3.7 Architectural Coating - 2040

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	25.1514					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.2000e-003	0.0393	0.0968	1.6000e-004		4.0000e-004	4.0000e-004		4.0000e-004	4.0000e-004	0.0000	13.7876	13.7876	4.9000e-004	0.0000	13.7997
Total	25.1576	0.0393	0.0968	1.6000e-004		4.0000e-004	4.0000e-004		4.0000e-004	4.0000e-004	0.0000	13.7876	13.7876	4.9000e-004	0.0000	13.7997

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3.7 Architectural Coating - 2040

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0216	0.0122	0.1785	1.0100e-003	0.1631	4.4000e-004	0.1635	0.0434	4.1000e-004	0.0438	0.0000	91.6561	91.6561	8.2000e-004	0.0000	91.6767
Total	0.0216	0.0122	0.1785	1.0100e-003	0.1631	4.4000e-004	0.1635	0.0434	4.1000e-004	0.0438	0.0000	91.6561	91.6561	8.2000e-004	0.0000	91.6767

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	25.1514					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.6000e-003	6.9500e-003	0.0990	1.6000e-004		2.1000e-004	2.1000e-004		2.1000e-004	2.1000e-004	0.0000	13.7876	13.7876	4.9000e-004	0.0000	13.7997
Total	25.1530	6.9500e-003	0.0990	1.6000e-004		2.1000e-004	2.1000e-004		2.1000e-004	2.1000e-004	0.0000	13.7876	13.7876	4.9000e-004	0.0000	13.7997

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3.7 Architectural Coating - 2040

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0216	0.0122	0.1785	1.0100e-003	0.1631	4.4000e-004	0.1635	0.0434	4.1000e-004	0.0438	0.0000	91.6561	91.6561	8.2000e-004	0.0000	91.6767
Total	0.0216	0.0122	0.1785	1.0100e-003	0.1631	4.4000e-004	0.1635	0.0434	4.1000e-004	0.0438	0.0000	91.6561	91.6561	8.2000e-004	0.0000	91.6767

3.7 Architectural Coating - 2041

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	7.2194					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.7800e-003	0.0113	0.0278	5.0000e-005		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004	0.0000	3.9575	3.9575	1.4000e-004	0.0000	3.9610
Total	7.2212	0.0113	0.0278	5.0000e-005		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004	0.0000	3.9575	3.9575	1.4000e-004	0.0000	3.9610

Crows Landing_Phase 3 - Stanislaus County, Annual

3.7 Architectural Coating - 2041

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.1900e-003	3.4900e-003	0.0513	2.9000e-004	0.0468	1.3000e-004	0.0469	0.0124	1.2000e-004	0.0126	0.0000	26.3087	26.3087	2.4000e-004	0.0000	26.3146
Total	6.1900e-003	3.4900e-003	0.0513	2.9000e-004	0.0468	1.3000e-004	0.0469	0.0124	1.2000e-004	0.0126	0.0000	26.3087	26.3087	2.4000e-004	0.0000	26.3146

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	7.2194					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.6000e-004	2.0000e-003	0.0284	5.0000e-005		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005	0.0000	3.9575	3.9575	1.4000e-004	0.0000	3.9610
Total	7.2199	2.0000e-003	0.0284	5.0000e-005		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005	0.0000	3.9575	3.9575	1.4000e-004	0.0000	3.9610

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3.7 Architectural Coating - 2041

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.1900e-003	3.4900e-003	0.0513	2.9000e-004	0.0468	1.3000e-004	0.0469	0.0124	1.2000e-004	0.0126	0.0000	26.3087	26.3087	2.4000e-004	0.0000	26.3146
Total	6.1900e-003	3.4900e-003	0.0513	2.9000e-004	0.0468	1.3000e-004	0.0469	0.0124	1.2000e-004	0.0126	0.0000	26.3087	26.3087	2.4000e-004	0.0000	26.3146

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	3.5286	55.1091	37.2626	0.3156	26.1759	0.1051	26.2811	7.0245	0.0986	7.1230	0.0000	29,432.72 65	29,432.72 65	1.6191	0.0000	29,473.20 44
Unmitigated	3.5286	55.1091	37.2626	0.3156	26.1759	0.1051	26.2811	7.0245	0.0986	7.1230	0.0000	29,432.72 65	29,432.72 65	1.6191	0.0000	29,473.20 44

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	15,543.10	2,943.60	1516.40	34,273,184	34,273,184
Government Office Building	13,510.28	0.00	0.00	16,548,939	16,548,939
Office Park	5,093.32	731.44	338.96	9,501,184	9,501,184
Refrigerated Warehouse-No Rail	2,997.12	2,997.12	2997.12	8,750,125	8,750,125
Total	37,143.82	6,672.16	4,852.48	69,073,432	69,073,432

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	9.50	7.30	7.30	59.00	28.00	13.00	92	5	3
Government Office Building	9.50	7.30	7.30	33.00	62.00	5.00	50	34	16
Office Park	9.50	7.30	7.30	33.00	48.00	19.00	82	15	3
Refrigerated Warehouse-No	9.50	7.30	7.30	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix

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Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.563336	0.028772	0.182262	0.087992	0.007827	0.003289	0.025976	0.093152	0.001800	0.000871	0.003777	0.000531	0.000415
Government Office Building	0.563336	0.028772	0.182262	0.087992	0.007827	0.003289	0.025976	0.093152	0.001800	0.000871	0.003777	0.000531	0.000415
Office Park	0.563336	0.028772	0.182262	0.087992	0.007827	0.003289	0.025976	0.093152	0.001800	0.000871	0.003777	0.000531	0.000415
Refrigerated Warehouse-No Rail	0.563336	0.028772	0.182262	0.087992	0.007827	0.003289	0.025976	0.093152	0.001800	0.000871	0.003777	0.000531	0.000415

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	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	0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Mitigated	0.3210	2.9179	2.4511	0.0175		0.2218	0.2218		0.2218	0.2218	0.0000	3,176.5010	3,176.5010	0.0609	0.0582	3,195.3773
NaturalGas Unmitigated	0.3210	2.9179	2.4511	0.0175		0.2218	0.2218		0.2218	0.2218	0.0000	3,176.5010	3,176.5010	0.0609	0.0582	3,195.3773

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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					
General Light Industry	4.65401e+007	0.2510	2.2814	1.9164	0.0137		0.1734	0.1734		0.1734	0.1734	0.0000	2,483.5570	2,483.5570	0.0476	0.0455	2,498.3155
Government Office Building	2.5578e+006	0.0138	0.1254	0.1053	7.5000e-004		9.5300e-003	9.5300e-003		9.5300e-003	9.5300e-003	0.0000	136.4940	136.4940	2.6200e-003	2.5000e-003	137.3051
Office Park	1.01599e+007	0.0548	0.4980	0.4184	2.9900e-003		0.0379	0.0379		0.0379	0.0379	0.0000	542.1699	542.1699	0.0104	9.9400e-003	545.3917
Refrigerated Warehouse-No Rail	267600	1.4400e-003	0.0131	0.0110	8.0000e-005		1.0000e-003	1.0000e-003		1.0000e-003	1.0000e-003	0.0000	14.2802	14.2802	2.7000e-004	2.6000e-004	14.3650
Total		0.3210	2.9179	2.4511	0.0175		0.2218	0.2218		0.2218	0.2218	0.0000	3,176.5010	3,176.5010	0.0609	0.0582	3,195.3773

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5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
General Light Industry	4.65401e+007	0.2510	2.2814	1.9164	0.0137		0.1734	0.1734		0.1734	0.1734	0.0000	2,483.5570	2,483.5570	0.0476	0.0455	2,498.3155
Government Office Building	2.5578e+006	0.0138	0.1254	0.1053	7.5000e-004		9.5300e-003	9.5300e-003		9.5300e-003	9.5300e-003	0.0000	136.4940	136.4940	2.6200e-003	2.5000e-003	137.3051
Office Park	1.01599e+007	0.0548	0.4980	0.4184	2.9900e-003		0.0379	0.0379		0.0379	0.0379	0.0000	542.1699	542.1699	0.0104	9.9400e-003	545.3917
Refrigerated Warehouse-No Rail	267600	1.4400e-003	0.0131	0.0110	8.0000e-005		1.0000e-003	1.0000e-003		1.0000e-003	1.0000e-003	0.0000	14.2802	14.2802	2.7000e-004	2.6000e-004	14.3650
Total		0.3210	2.9179	2.4511	0.0175		0.2218	0.2218		0.2218	0.2218	0.0000	3,176.5010	3,176.5010	0.0609	0.0582	3,195.3773

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5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Light Industry	1.96686e+007	0.0000	0.0000	0.0000	0.0000
Government Office Building	1.78752e+006	0.0000	0.0000	0.0000	0.0000
Office Park	5.20036e+006	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	4.44394e+007	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

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5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Light Industry	1.96686e+007	0.0000	0.0000	0.0000	0.0000
Government Office Building	1.78752e+006	0.0000	0.0000	0.0000	0.0000
Office Park	5.20036e+006	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	4.44394e+007	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

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	21.4250	3.8000e-004	0.0425	0.0000		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004	0.0000	0.0832	0.0832	2.1000e-004	0.0000	0.0886
Unmitigated	21.4250	3.8000e-004	0.0425	0.0000		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004	0.0000	0.0832	0.0832	2.1000e-004	0.0000	0.0886

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	3.2371					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	18.1840					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	3.8900e-003	3.8000e-004	0.0425	0.0000		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004	0.0000	0.0832	0.0832	2.1000e-004	0.0000	0.0886
Total	21.4250	3.8000e-004	0.0425	0.0000		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004	0.0000	0.0832	0.0832	2.1000e-004	0.0000	0.0886

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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	3.2371					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	18.1840					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	3.8900e-003	3.8000e-004	0.0425	0.0000		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004	0.0000	0.0832	0.0832	2.1000e-004	0.0000	0.0886
Total	21.4250	3.8000e-004	0.0425	0.0000		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004	0.0000	0.0832	0.0832	2.1000e-004	0.0000	0.0886

7.0 Water Detail

7.1 Mitigation Measures Water

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	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	331.9884	34.0984	0.8051	1,424.379 1
Unmitigated	331.9884	34.0984	0.8051	1,424.379 1

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Light Industry	515.688 / 0	163.6039	16.8037	0.3968	701.9338
Government Office Building	38.9373 / 23.8648	12.3530	1.2688	0.0300	52.9999
Office Park	79.2693 / 48.5844	25.1485	2.5830	0.0610	107.8982
Refrigerated Warehouse-No Rail	412.55 / 0	130.8831	13.4430	0.3174	561.5471
Total		331.9884	34.0984	0.8051	1,424.379 1

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7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Light Industry	515.688 / 0	163.6039	16.8037	0.3968	701.9338
Government Office Building	38.9373 / 23.8648	12.3530	1.2688	0.0300	52.9999
Office Park	79.2693 / 48.5844	25.1485	2.5830	0.0610	107.8982
Refrigerated Warehouse-No Rail	412.55 / 0	130.8831	13.4430	0.3174	561.5471
Total		331.9884	34.0984	0.8051	1,424.3791

8.0 Waste Detail

8.1 Mitigation Measures Waste

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Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	1,022.916 1	60.4526	0.0000	2,534.231 4
Unmitigated	1,022.916 1	60.4526	0.0000	2,534.231 4

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Light Industry	2765.2	561.3106	33.1725	0.0000	1,390.623 3
Government Office Building	182.28	37.0012	2.1867	0.0000	91.6689
Office Park	414.78	84.1966	4.9759	0.0000	208.5935
Refrigerated Warehouse-No Rail	1676.96	340.4077	20.1175	0.0000	843.3457
Total		1,022.916 1	60.4526	0.0000	2,534.231 4

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8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Light Industry	2765.2	561.3106	33.1725	0.0000	1,390.6233
Government Office Building	182.28	37.0012	2.1867	0.0000	91.6689
Office Park	414.78	84.1966	4.9759	0.0000	208.5935
Refrigerated Warehouse-No Rail	1676.96	340.4077	20.1175	0.0000	843.3457
Total		1,022.9161	60.4526	0.0000	2,534.2314

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

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

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

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Equipment Type	Number
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11.0 Vegetation

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1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Government Office Building	196.00	1000sqft	18.00	196,000.00	0
Office Park	446.00	1000sqft	26.00	446,000.00	0
General Light Industry	2,230.00	1000sqft	128.00	2,230,000.00	0
Refrigerated Warehouse-No Rail	1,784.00	1000sqft	102.00	1,784,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	46
Climate Zone	3			Operational Year	2045

Utility Company

CO2 Intensity (lb/MW hr)	0	CH4 Intensity (lb/MW hr)	0	N2O Intensity (lb/MW hr)	0
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1.3 User Entered Comments & Non-Default Data

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Project Characteristics -

Land Use - PD

Construction Phase - Assumes infrastructure is front-loaded

Grading - Total acreage

Construction Off-road Equipment Mitigation - Potential Tier 4 mitigation

Off-road Equipment -

Off-road Equipment -

Off-road Equipment - Trenching

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Vehicle Trips -

Area Coating -

Energy Use -

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	10.00

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tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	13.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	465.00	196.00
tblConstructionPhase	NumDays	180.00	76.00
tblConstructionPhase	NumDays	4,650.00	1,956.00
tblConstructionPhase	NumDays	330.00	139.00
tblConstructionPhase	NumDays	330.00	139.00
tblConstructionPhase	PhaseEndDate	6/21/2041	10/10/2039
tblConstructionPhase	PhaseEndDate	6/21/2041	4/17/2040
tblConstructionPhase	PhaseEndDate	9/9/2039	8/1/2040
tblConstructionPhase	PhaseEndDate	4/18/2059	1/30/2048
tblConstructionPhase	PhaseEndDate	7/23/2060	2/12/2041
tblConstructionPhase	PhaseEndDate	10/28/2061	2/12/2041

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tblConstructionPhase	PhaseStartDate	9/10/2039	1/10/2039
tblConstructionPhase	PhaseStartDate	6/22/2041	10/11/2039
tblConstructionPhase	PhaseStartDate	1/1/2039	4/18/2040
tblConstructionPhase	PhaseStartDate	6/22/2041	8/2/2040
tblConstructionPhase	PhaseStartDate	4/19/2059	8/2/2040
tblConstructionPhase	PhaseStartDate	7/24/2060	8/2/2040
tblGrading	AcresOfGrading	490.00	274.00
tblGrading	AcresOfGrading	0.00	274.00
tblLandUse	LotAcreage	4.50	18.00
tblLandUse	LotAcreage	10.24	26.00
tblLandUse	LotAcreage	51.19	128.00
tblLandUse	LotAcreage	40.96	102.00

2.0 Emissions Summary

Crows Landing_Phase 3 - Stanislaus County, Annual

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					
2039	0.3523	1.2412	2.7049	8.3600e-003	0.7554	0.0395	0.7948	0.3454	0.0395	0.3848	0.0000	771.0191	771.0191	0.0279	0.0000	771.7177
2040	25.6782	4.5869	4.7974	0.0250	2.1235	0.0379	2.1614	0.7424	0.0376	0.7799	0.0000	2,269.1118	2,269.1118	0.0913	0.0000	2,271.3954
2041	7.8236	8.6833	5.6132	0.0427	2.6787	0.0239	2.7026	0.7271	0.0232	0.7503	0.0000	3,959.0172	3,959.0172	0.1701	0.0000	3,963.2699
2042	0.5804	8.6118	5.2870	0.0419	2.6300	0.0219	2.6519	0.7142	0.0211	0.7353	0.0000	3,890.3527	3,890.3527	0.1685	0.0000	3,894.5644
2043	0.5804	8.6118	5.2870	0.0419	2.6300	0.0219	2.6519	0.7142	0.0211	0.7353	0.0000	3,890.3527	3,890.3527	0.1685	0.0000	3,894.5644
2044	0.5804	8.6118	5.2870	0.0419	2.6300	0.0219	2.6519	0.7142	0.0211	0.7353	0.0000	3,890.3527	3,890.3527	0.1685	0.0000	3,894.5644
2045	0.5415	8.5218	5.0990	0.0415	2.6200	0.0210	2.6409	0.7115	0.0203	0.7318	0.0000	3,852.8489	3,852.8489	0.1641	0.0000	3,856.9514
2046	0.5436	8.5546	5.1186	0.0417	2.6300	0.0211	2.6511	0.7142	0.0204	0.7346	0.0000	3,867.6676	3,867.6676	0.1647	0.0000	3,871.7858
2047	0.5436	8.5546	5.1186	0.0417	2.6300	0.0211	2.6511	0.7142	0.0204	0.7346	0.0000	3,867.6676	3,867.6676	0.1647	0.0000	3,871.7858
2048	0.0458	0.7211	0.4315	3.5100e-003	0.2217	1.7800e-003	0.2235	0.0602	1.7200e-003	0.0619	0.0000	326.0103	326.0103	0.0139	0.0000	326.3574
Maximum	25.6782	8.6833	5.6132	0.0427	2.6787	0.0395	2.7026	0.7424	0.0395	0.7799	0.0000	3,959.0172	3,959.0172	0.1701	0.0000	3,963.2699

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Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-1-2039	3-31-2039	0.3631	0.1189
2	4-1-2039	6-30-2039	0.4079	0.1335
3	7-1-2039	9-30-2039	0.4124	0.1350
4	10-1-2039	12-31-2039	0.4060	0.0886
5	1-1-2040	3-31-2040	0.3248	0.0818
6	4-1-2040	6-30-2040	0.4730	0.1274
7	7-1-2040	9-30-2040	11.7950	11.4641
8	10-1-2040	12-31-2040	17.8246	17.5164
9	1-1-2041	3-31-2041	9.5145	9.2778
10	4-1-2041	6-30-2041	2.2801	2.1006
11	7-1-2041	9-30-2041	2.3052	2.1237
12	10-1-2041	12-31-2041	2.3166	2.1351
13	1-1-2042	3-31-2042	2.2662	2.0886
14	4-1-2042	6-30-2042	2.2801	2.1006
15	7-1-2042	9-30-2042	2.3052	2.1237
16	10-1-2042	12-31-2042	2.3166	2.1351
17	1-1-2043	3-31-2043	2.2662	2.0886
18	4-1-2043	6-30-2043	2.2801	2.1006
19	7-1-2043	9-30-2043	2.3052	2.1237
20	10-1-2043	12-31-2043	2.3166	2.1351
21	1-1-2044	3-31-2044	2.2914	2.1119
22	4-1-2044	6-30-2044	2.2801	2.1006
23	7-1-2044	9-30-2044	2.3052	2.1237
24	10-1-2044	12-31-2044	2.3166	2.1351
25	1-1-2045	3-31-2045	2.2424	2.0648
26	4-1-2045	6-30-2045	2.2560	2.0764

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27	7-1-2045	9-30-2045	2.2807	2.0992
28	10-1-2045	12-31-2045	2.2922	2.1107
29	1-1-2046	3-31-2046	2.2424	2.0648
30	4-1-2046	6-30-2046	2.2560	2.0764
31	7-1-2046	9-30-2046	2.2807	2.0992
32	10-1-2046	12-31-2046	2.2922	2.1107
33	1-1-2047	3-31-2047	2.2424	2.0648
34	4-1-2047	6-30-2047	2.2560	2.0764
35	7-1-2047	9-30-2047	2.2807	2.0992
36	10-1-2047	12-31-2047	2.2922	2.1107
37	1-1-2048	3-31-2048	0.7475	0.6883
		Highest	17.8246	17.5164

Crows Landing_Phase 3 - Stanislaus County, Annual

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	21.4250	3.8000e-004	0.0425	0.0000		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004	0.0000	0.0832	0.0832	2.1000e-004	0.0000	0.0886
Energy	0.3210	2.9179	2.4511	0.0175		0.2218	0.2218		0.2218	0.2218	0.0000	3,176.5010	3,176.5010	0.0609	0.0582	3,195.3773
Mobile	3.5286	55.1091	37.2626	0.3156	26.1759	0.1051	26.2811	7.0245	0.0986	7.1230	0.0000	29,432.7265	29,432.7265	1.6191	0.0000	29,473.2044
Waste						0.0000	0.0000		0.0000	0.0000	1,022.9161	0.0000	1,022.9161	60.4526	0.0000	2,534.2314
Water						0.0000	0.0000		0.0000	0.0000	331.9884	0.0000	331.9884	34.0984	0.8051	1,424.3791
Total	25.2746	58.0274	39.7562	0.3331	26.1759	0.3270	26.5030	7.0245	0.3205	7.3449	1,354.9045	32,609.3107	33,964.2152	96.2312	0.8634	36,627.2808

Crows Landing_Phase 3 - Stanislaus County, Annual

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	21.4250	3.8000e-004	0.0425	0.0000		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004	0.0000	0.0832	0.0832	2.1000e-004	0.0000	0.0886
Energy	0.3210	2.9179	2.4511	0.0175		0.2218	0.2218		0.2218	0.2218	0.0000	3,176.5010	3,176.5010	0.0609	0.0582	3,195.3773
Mobile	3.5286	55.1091	37.2626	0.3156	26.1759	0.1051	26.2811	7.0245	0.0986	7.1230	0.0000	29,432.7265	29,432.7265	1.6191	0.0000	29,473.2044
Waste						0.0000	0.0000		0.0000	0.0000	1,022.9161	0.0000	1,022.9161	60.4526	0.0000	2,534.2314
Water						0.0000	0.0000		0.0000	0.0000	331.9884	0.0000	331.9884	34.0984	0.8051	1,424.3791
Total	25.2746	58.0274	39.7562	0.3331	26.1759	0.3270	26.5030	7.0245	0.3205	7.3449	1,354.9045	32,609.3107	33,964.2152	96.2312	0.8634	36,627.2808

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

3.0 Construction Detail

Construction Phase

Crows Landing_Phase 3 - Stanislaus County, Annual

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	4/18/2040	8/1/2040	5	76	
2	Grading	Grading	1/10/2039	10/10/2039	5	196	
3	Trenching	Trenching	10/11/2039	4/17/2040	5	136	
4	Building Construction	Building Construction	8/2/2040	1/30/2048	5	1956	
5	Paving	Paving	8/2/2040	2/12/2041	5	139	
6	Architectural Coating	Architectural Coating	8/2/2040	2/12/2041	5	139	

Acres of Grading (Site Preparation Phase): 274

Acres of Grading (Grading Phase): 274

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 6,984,000; Non-Residential Outdoor: 2,328,000; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Crows Landing_Phase 3 - Stanislaus County, Annual

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
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
Trenching	Rubber Tired Dozers	3	8.00	247	0.40
Trenching	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Crows Landing_Phase 3 - Stanislaus County, Annual

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
Grading	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Trenching	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	10	25.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	10	25.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	1,891.00	763.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	378.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Site Preparation - 2040

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.8318	0.0000	0.8318	0.3931	0.0000	0.3931	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1250	0.4647	0.8430	2.9600e-003		0.0139	0.0139		0.0139	0.0139	0.0000	254.4314	254.4314	9.8500e-003	0.0000	254.6776
Total	0.1250	0.4647	0.8430	2.9600e-003	0.8318	0.0139	0.8457	0.3931	0.0139	0.4069	0.0000	254.4314	254.4314	9.8500e-003	0.0000	254.6776

Crows Landing_Phase 3 - Stanislaus County, Annual

3.2 Site Preparation - 2040

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0100e-003	1.1300e-003	0.0166	9.0000e-005	0.0283	4.0000e-005	0.0284	7.2600e-003	4.0000e-005	7.3000e-003	0.0000	8.5316	8.5316	8.0000e-005	0.0000	8.5335
Total	2.0100e-003	1.1300e-003	0.0166	9.0000e-005	0.0283	4.0000e-005	0.0284	7.2600e-003	4.0000e-005	7.3000e-003	0.0000	8.5316	8.5316	8.0000e-005	0.0000	8.5335

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.3743	0.0000	0.3743	0.1769	0.0000	0.1769	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0296	0.1283	1.2301	2.9600e-003		3.9500e-003	3.9500e-003		3.9500e-003	3.9500e-003	0.0000	254.4311	254.4311	9.8500e-003	0.0000	254.6773
Total	0.0296	0.1283	1.2301	2.9600e-003	0.3743	3.9500e-003	0.3783	0.1769	3.9500e-003	0.1808	0.0000	254.4311	254.4311	9.8500e-003	0.0000	254.6773

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3.2 Site Preparation - 2040

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0100e-003	1.1300e-003	0.0166	9.0000e-005	0.0283	4.0000e-005	0.0284	7.2600e-003	4.0000e-005	7.3000e-003	0.0000	8.5316	8.5316	8.0000e-005	0.0000	8.5335
Total	2.0100e-003	1.1300e-003	0.0166	9.0000e-005	0.0283	4.0000e-005	0.0284	7.2600e-003	4.0000e-005	7.3000e-003	0.0000	8.5316	8.5316	8.0000e-005	0.0000	8.5335

3.3 Grading - 2039

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.7355	0.0000	0.7355	0.3401	0.0000	0.3401	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.2853	0.9402	2.2075	6.8500e-003		0.0308	0.0308		0.0308	0.0308	0.0000	641.2755	641.2755	0.0228	0.0000	641.8444
Total	0.2853	0.9402	2.2075	6.8500e-003	0.7355	0.0308	0.7662	0.3401	0.0308	0.3709	0.0000	641.2755	641.2755	0.0228	0.0000	641.8444

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3.3 Grading - 2039

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.8400e-003	1.4600e-003	0.0207	1.0000e-004	0.0157	6.0000e-005	0.0157	4.1600e-003	5.0000e-005	4.2100e-003	0.0000	9.2296	9.2296	1.1000e-004	0.0000	9.2322
Total	2.8400e-003	1.4600e-003	0.0207	1.0000e-004	0.0157	6.0000e-005	0.0157	4.1600e-003	5.0000e-005	4.2100e-003	0.0000	9.2296	9.2296	1.1000e-004	0.0000	9.2322

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.3310	0.0000	0.3310	0.1530	0.0000	0.1530	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0746	0.3234	3.2339	6.8500e-003		9.9500e-003	9.9500e-003		9.9500e-003	9.9500e-003	0.0000	641.2748	641.2748	0.0228	0.0000	641.8436
Total	0.0746	0.3234	3.2339	6.8500e-003	0.3310	9.9500e-003	0.3409	0.1530	9.9500e-003	0.1630	0.0000	641.2748	641.2748	0.0228	0.0000	641.8436

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3.3 Grading - 2039

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.8400e-003	1.4600e-003	0.0207	1.0000e-004	0.0157	6.0000e-005	0.0157	4.1600e-003	5.0000e-005	4.2100e-003	0.0000	9.2296	9.2296	1.1000e-004	0.0000	9.2322
Total	2.8400e-003	1.4600e-003	0.0207	1.0000e-004	0.0157	6.0000e-005	0.0157	4.1600e-003	5.0000e-005	4.2100e-003	0.0000	9.2296	9.2296	1.1000e-004	0.0000	9.2322

3.4 Trenching - 2039

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0634	0.2991	0.4712	1.3700e-003		8.5900e-003	8.5900e-003		8.5900e-003	8.5900e-003	0.0000	118.0136	118.0136	5.0600e-003	0.0000	118.1400
Total	0.0634	0.2991	0.4712	1.3700e-003		8.5900e-003	8.5900e-003		8.5900e-003	8.5900e-003	0.0000	118.0136	118.0136	5.0600e-003	0.0000	118.1400

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3.4 Trenching - 2039

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.7000e-004	3.9000e-004	5.5900e-003	3.0000e-005	4.2400e-003	2.0000e-005	4.2600e-003	1.1300e-003	1.0000e-005	1.1400e-003	0.0000	2.5005	2.5005	3.0000e-005	0.0000	2.5012
Total	7.7000e-004	3.9000e-004	5.5900e-003	3.0000e-005	4.2400e-003	2.0000e-005	4.2600e-003	1.1300e-003	1.0000e-005	1.1400e-003	0.0000	2.5005	2.5005	3.0000e-005	0.0000	2.5012

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0137	0.0595	0.6156	1.3700e-003		1.8300e-003	1.8300e-003		1.8300e-003	1.8300e-003	0.0000	118.0135	118.0135	5.0600e-003	0.0000	118.1399
Total	0.0137	0.0595	0.6156	1.3700e-003		1.8300e-003	1.8300e-003		1.8300e-003	1.8300e-003	0.0000	118.0135	118.0135	5.0600e-003	0.0000	118.1399

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3.4 Trenching - 2039

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.7000e-004	3.9000e-004	5.5900e-003	3.0000e-005	4.2400e-003	2.0000e-005	4.2600e-003	1.1300e-003	1.0000e-005	1.1400e-003	0.0000	2.5005	2.5005	3.0000e-005	0.0000	2.5012
Total	7.7000e-004	3.9000e-004	5.5900e-003	3.0000e-005	4.2400e-003	2.0000e-005	4.2600e-003	1.1300e-003	1.0000e-005	1.1400e-003	0.0000	2.5005	2.5005	3.0000e-005	0.0000	2.5012

3.4 Trenching - 2040

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0757	0.3078	0.6075	1.7900e-003		7.8000e-003	7.8000e-003		7.8000e-003	7.8000e-003	0.0000	154.0178	154.0178	5.9600e-003	0.0000	154.1668
Total	0.0757	0.3078	0.6075	1.7900e-003		7.8000e-003	7.8000e-003		7.8000e-003	7.8000e-003	0.0000	154.0178	154.0178	5.9600e-003	0.0000	154.1668

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3.4 Trenching - 2040

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.3000e-004	4.1000e-004	6.0600e-003	3.0000e-005	5.5400e-003	1.0000e-005	5.5500e-003	1.4700e-003	1.0000e-005	1.4900e-003	0.0000	3.1118	3.1118	3.0000e-005	0.0000	3.1125
Total	7.3000e-004	4.1000e-004	6.0600e-003	3.0000e-005	5.5400e-003	1.0000e-005	5.5500e-003	1.4700e-003	1.0000e-005	1.4900e-003	0.0000	3.1118	3.1118	3.0000e-005	0.0000	3.1125

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0179	0.0777	0.8035	1.7900e-003		2.3900e-003	2.3900e-003		2.3900e-003	2.3900e-003	0.0000	154.0176	154.0176	5.9600e-003	0.0000	154.1666
Total	0.0179	0.0777	0.8035	1.7900e-003		2.3900e-003	2.3900e-003		2.3900e-003	2.3900e-003	0.0000	154.0176	154.0176	5.9600e-003	0.0000	154.1666

Crows Landing_Phase 3 - Stanislaus County, Annual

3.4 Trenching - 2040

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.3000e-004	4.1000e-004	6.0600e-003	3.0000e-005	5.5400e-003	1.0000e-005	5.5500e-003	1.4700e-003	1.0000e-005	1.4900e-003	0.0000	3.1118	3.1118	3.0000e-005	0.0000	3.1125
Total	7.3000e-004	4.1000e-004	6.0600e-003	3.0000e-005	5.5400e-003	1.0000e-005	5.5500e-003	1.4700e-003	1.0000e-005	1.4900e-003	0.0000	3.1118	3.1118	3.0000e-005	0.0000	3.1125

3.5 Building Construction - 2040

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0646	0.3721	0.8704	1.6700e-003		3.9800e-003	3.9800e-003		3.9800e-003	3.9800e-003	0.0000	141.9450	141.9450	5.1000e-003	0.0000	142.0725
Total	0.0646	0.3721	0.8704	1.6700e-003		3.9800e-003	3.9800e-003		3.9800e-003	3.9800e-003	0.0000	141.9450	141.9450	5.1000e-003	0.0000	142.0725

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3.5 Building Construction - 2040

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0676	3.1305	0.4242	0.0106	0.2724	2.8600e-003	0.2753	0.0787	2.7300e-003	0.0814	0.0000	1,009.3331	1,009.3331	0.0605	0.0000	1,010.8452
Worker	0.1079	0.0609	0.8932	5.0600e-003	0.8159	2.2000e-003	0.8181	0.2169	2.0300e-003	0.2189	0.0000	458.5231	458.5231	4.1300e-003	0.0000	458.6262
Total	0.1755	3.1914	1.3173	0.0157	1.0883	5.0600e-003	1.0934	0.2955	4.7600e-003	0.3003	0.0000	1,467.8561	1,467.8561	0.0646	0.0000	1,469.4714

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0177	0.1207	0.9429	1.6700e-003		2.2000e-003	2.2000e-003		2.2000e-003	2.2000e-003	0.0000	141.9448	141.9448	5.1000e-003	0.0000	142.0723
Total	0.0177	0.1207	0.9429	1.6700e-003		2.2000e-003	2.2000e-003		2.2000e-003	2.2000e-003	0.0000	141.9448	141.9448	5.1000e-003	0.0000	142.0723

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3.5 Building Construction - 2040

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0676	3.1305	0.4242	0.0106	0.2724	2.8600e-003	0.2753	0.0787	2.7300e-003	0.0814	0.0000	1,009.3331	1,009.3331	0.0605	0.0000	1,010.8452
Worker	0.1079	0.0609	0.8932	5.0600e-003	0.8159	2.2000e-003	0.8181	0.2169	2.0300e-003	0.2189	0.0000	458.5231	458.5231	4.1300e-003	0.0000	458.6262
Total	0.1755	3.1914	1.3173	0.0157	1.0883	5.0600e-003	1.0934	0.2955	4.7600e-003	0.3003	0.0000	1,467.8561	1,467.8561	0.0646	0.0000	1,469.4714

3.5 Building Construction - 2041

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1562	0.8992	2.1035	4.0400e-003		9.6200e-003	9.6200e-003		9.6200e-003	9.6200e-003	0.0000	343.0337	343.0337	0.0123	0.0000	343.3419
Total	0.1562	0.8992	2.1035	4.0400e-003		9.6200e-003	9.6200e-003		9.6200e-003	9.6200e-003	0.0000	343.0337	343.0337	0.0123	0.0000	343.3419

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3.5 Building Construction - 2041

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1634	7.5654	1.0251	0.0257	0.6584	6.9100e-003	0.6653	0.1901	6.6100e-003	0.1967	0.0000	2,439.2216	2,439.2216	0.1462	0.0000	2,442.8759
Worker	0.2607	0.1471	2.1585	0.0122	1.9717	5.3200e-003	1.9770	0.5241	4.9000e-003	0.5290	0.0000	1,108.0974	1,108.0974	9.9700e-003	0.0000	1,108.3467
Total	0.4241	7.7126	3.1835	0.0379	2.6300	0.0122	2.6423	0.7142	0.0115	0.7257	0.0000	3,547.3190	3,547.3190	0.1561	0.0000	3,551.2225

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0428	0.2916	2.2786	4.0400e-003		5.3200e-003	5.3200e-003		5.3200e-003	5.3200e-003	0.0000	343.0333	343.0333	0.0123	0.0000	343.3415
Total	0.0428	0.2916	2.2786	4.0400e-003		5.3200e-003	5.3200e-003		5.3200e-003	5.3200e-003	0.0000	343.0333	343.0333	0.0123	0.0000	343.3415

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3.5 Building Construction - 2041

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1634	7.5654	1.0251	0.0257	0.6584	6.9100e-003	0.6653	0.1901	6.6100e-003	0.1967	0.0000	2,439.2216	2,439.2216	0.1462	0.0000	2,442.8759
Worker	0.2607	0.1471	2.1585	0.0122	1.9717	5.3200e-003	1.9770	0.5241	4.9000e-003	0.5290	0.0000	1,108.0974	1,108.0974	9.9700e-003	0.0000	1,108.3467
Total	0.4241	7.7126	3.1835	0.0379	2.6300	0.0122	2.6423	0.7142	0.0115	0.7257	0.0000	3,547.3190	3,547.3190	0.1561	0.0000	3,551.2225

3.5 Building Construction - 2042

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1562	0.8992	2.1035	4.0400e-003		9.6200e-003	9.6200e-003		9.6200e-003	9.6200e-003	0.0000	343.0337	343.0337	0.0123	0.0000	343.3419
Total	0.1562	0.8992	2.1035	4.0400e-003		9.6200e-003	9.6200e-003		9.6200e-003	9.6200e-003	0.0000	343.0337	343.0337	0.0123	0.0000	343.3419

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3.5 Building Construction - 2042

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1634	7.5654	1.0251	0.0257	0.6584	6.9100e-003	0.6653	0.1901	6.6100e-003	0.1967	0.0000	2,439.2216	2,439.2216	0.1462	0.0000	2,442.8759
Worker	0.2607	0.1471	2.1585	0.0122	1.9717	5.3200e-003	1.9770	0.5241	4.9000e-003	0.5290	0.0000	1,108.0974	1,108.0974	9.9700e-003	0.0000	1,108.3467
Total	0.4241	7.7126	3.1835	0.0379	2.6300	0.0122	2.6423	0.7142	0.0115	0.7257	0.0000	3,547.3190	3,547.3190	0.1561	0.0000	3,551.2225

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0428	0.2916	2.2786	4.0400e-003		5.3200e-003	5.3200e-003		5.3200e-003	5.3200e-003	0.0000	343.0333	343.0333	0.0123	0.0000	343.3415
Total	0.0428	0.2916	2.2786	4.0400e-003		5.3200e-003	5.3200e-003		5.3200e-003	5.3200e-003	0.0000	343.0333	343.0333	0.0123	0.0000	343.3415

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3.5 Building Construction - 2042

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1634	7.5654	1.0251	0.0257	0.6584	6.9100e-003	0.6653	0.1901	6.6100e-003	0.1967	0.0000	2,439.2216	2,439.2216	0.1462	0.0000	2,442.8759
Worker	0.2607	0.1471	2.1585	0.0122	1.9717	5.3200e-003	1.9770	0.5241	4.9000e-003	0.5290	0.0000	1,108.0974	1,108.0974	9.9700e-003	0.0000	1,108.3467
Total	0.4241	7.7126	3.1835	0.0379	2.6300	0.0122	2.6423	0.7142	0.0115	0.7257	0.0000	3,547.3190	3,547.3190	0.1561	0.0000	3,551.2225

3.5 Building Construction - 2043

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1562	0.8992	2.1035	4.0400e-003		9.6200e-003	9.6200e-003		9.6200e-003	9.6200e-003	0.0000	343.0337	343.0337	0.0123	0.0000	343.3419
Total	0.1562	0.8992	2.1035	4.0400e-003		9.6200e-003	9.6200e-003		9.6200e-003	9.6200e-003	0.0000	343.0337	343.0337	0.0123	0.0000	343.3419

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3.5 Building Construction - 2043

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1634	7.5654	1.0251	0.0257	0.6584	6.9100e-003	0.6653	0.1901	6.6100e-003	0.1967	0.0000	2,439.2216	2,439.2216	0.1462	0.0000	2,442.8759
Worker	0.2607	0.1471	2.1585	0.0122	1.9717	5.3200e-003	1.9770	0.5241	4.9000e-003	0.5290	0.0000	1,108.0974	1,108.0974	9.9700e-003	0.0000	1,108.3467
Total	0.4241	7.7126	3.1835	0.0379	2.6300	0.0122	2.6423	0.7142	0.0115	0.7257	0.0000	3,547.3190	3,547.3190	0.1561	0.0000	3,551.2225

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0428	0.2916	2.2786	4.0400e-003		5.3200e-003	5.3200e-003		5.3200e-003	5.3200e-003	0.0000	343.0333	343.0333	0.0123	0.0000	343.3415
Total	0.0428	0.2916	2.2786	4.0400e-003		5.3200e-003	5.3200e-003		5.3200e-003	5.3200e-003	0.0000	343.0333	343.0333	0.0123	0.0000	343.3415

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3.5 Building Construction - 2043

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1634	7.5654	1.0251	0.0257	0.6584	6.9100e-003	0.6653	0.1901	6.6100e-003	0.1967	0.0000	2,439.2216	2,439.2216	0.1462	0.0000	2,442.8759
Worker	0.2607	0.1471	2.1585	0.0122	1.9717	5.3200e-003	1.9770	0.5241	4.9000e-003	0.5290	0.0000	1,108.0974	1,108.0974	9.9700e-003	0.0000	1,108.3467
Total	0.4241	7.7126	3.1835	0.0379	2.6300	0.0122	2.6423	0.7142	0.0115	0.7257	0.0000	3,547.3190	3,547.3190	0.1561	0.0000	3,551.2225

3.5 Building Construction - 2044

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1562	0.8992	2.1035	4.0400e-003		9.6200e-003	9.6200e-003		9.6200e-003	9.6200e-003	0.0000	343.0337	343.0337	0.0123	0.0000	343.3419
Total	0.1562	0.8992	2.1035	4.0400e-003		9.6200e-003	9.6200e-003		9.6200e-003	9.6200e-003	0.0000	343.0337	343.0337	0.0123	0.0000	343.3419

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3.5 Building Construction - 2044

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1634	7.5654	1.0251	0.0257	0.6584	6.9100e-003	0.6653	0.1901	6.6100e-003	0.1967	0.0000	2,439.2216	2,439.2216	0.1462	0.0000	2,442.8759
Worker	0.2607	0.1471	2.1585	0.0122	1.9717	5.3200e-003	1.9770	0.5241	4.9000e-003	0.5290	0.0000	1,108.0974	1,108.0974	9.9700e-003	0.0000	1,108.3467
Total	0.4241	7.7126	3.1835	0.0379	2.6300	0.0122	2.6423	0.7142	0.0115	0.7257	0.0000	3,547.3190	3,547.3190	0.1561	0.0000	3,551.2225

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0428	0.2916	2.2786	4.0400e-003		5.3200e-003	5.3200e-003		5.3200e-003	5.3200e-003	0.0000	343.0333	343.0333	0.0123	0.0000	343.3415
Total	0.0428	0.2916	2.2786	4.0400e-003		5.3200e-003	5.3200e-003		5.3200e-003	5.3200e-003	0.0000	343.0333	343.0333	0.0123	0.0000	343.3415

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3.5 Building Construction - 2044

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1634	7.5654	1.0251	0.0257	0.6584	6.9100e-003	0.6653	0.1901	6.6100e-003	0.1967	0.0000	2,439.2216	2,439.2216	0.1462	0.0000	2,442.8759
Worker	0.2607	0.1471	2.1585	0.0122	1.9717	5.3200e-003	1.9770	0.5241	4.9000e-003	0.5290	0.0000	1,108.0974	1,108.0974	9.9700e-003	0.0000	1,108.3467
Total	0.4241	7.7126	3.1835	0.0379	2.6300	0.0122	2.6423	0.7142	0.0115	0.7257	0.0000	3,547.3190	3,547.3190	0.1561	0.0000	3,551.2225

3.5 Building Construction - 2045

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.1556	0.8957	2.0954	4.0200e-003		9.5800e-003	9.5800e-003		9.5800e-003	9.5800e-003	0.0000	341.7194	341.7194	0.0123	0.0000	342.0264
Total	0.1556	0.8957	2.0954	4.0200e-003		9.5800e-003	9.5800e-003		9.5800e-003	9.5800e-003	0.0000	341.7194	341.7194	0.0123	0.0000	342.0264

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3.5 Building Construction - 2045

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1626	7.4917	1.0186	0.0255	0.6558	6.8300e-003	0.6627	0.1894	6.5300e-003	0.1959	0.0000	2,427.1760	2,427.1760	0.1429	0.0000	2,430.7485
Worker	0.2233	0.1344	1.9850	0.0120	1.9641	4.5700e-003	1.9687	0.5221	4.2000e-003	0.5263	0.0000	1,083.9535	1,083.9535	8.9200e-003	0.0000	1,084.1765
Total	0.3859	7.6261	3.0036	0.0375	2.6200	0.0114	2.6314	0.7115	0.0107	0.7222	0.0000	3,511.1295	3,511.1295	0.1518	0.0000	3,514.9250

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0426	0.2905	2.2698	4.0200e-003		5.3000e-003	5.3000e-003		5.3000e-003	5.3000e-003	0.0000	341.7190	341.7190	0.0123	0.0000	342.0260
Total	0.0426	0.2905	2.2698	4.0200e-003		5.3000e-003	5.3000e-003		5.3000e-003	5.3000e-003	0.0000	341.7190	341.7190	0.0123	0.0000	342.0260

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3.5 Building Construction - 2045

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1626	7.4917	1.0186	0.0255	0.6558	6.8300e-003	0.6627	0.1894	6.5300e-003	0.1959	0.0000	2,427.1760	2,427.1760	0.1429	0.0000	2,430.7485
Worker	0.2233	0.1344	1.9850	0.0120	1.9641	4.5700e-003	1.9687	0.5221	4.2000e-003	0.5263	0.0000	1,083.9535	1,083.9535	8.9200e-003	0.0000	1,084.1765
Total	0.3859	7.6261	3.0036	0.0375	2.6200	0.0114	2.6314	0.7115	0.0107	0.7222	0.0000	3,511.1295	3,511.1295	0.1518	0.0000	3,514.9250

3.5 Building Construction - 2046

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1562	0.8992	2.1035	4.0400e-003		9.6200e-003	9.6200e-003		9.6200e-003	9.6200e-003	0.0000	343.0337	343.0337	0.0123	0.0000	343.3419
Total	0.1562	0.8992	2.1035	4.0400e-003		9.6200e-003	9.6200e-003		9.6200e-003	9.6200e-003	0.0000	343.0337	343.0337	0.0123	0.0000	343.3419

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3.5 Building Construction - 2046

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1632	7.5205	1.0225	0.0256	0.6583	6.8600e-003	0.6652	0.1901	6.5600e-003	0.1967	0.0000	2,436.5113	2,436.5113	0.1435	0.0000	2,440.0975
Worker	0.2242	0.1349	1.9927	0.0120	1.9717	4.5800e-003	1.9763	0.5241	4.2200e-003	0.5283	0.0000	1,088.1225	1,088.1225	8.9600e-003	0.0000	1,088.3464
Total	0.3874	7.6554	3.0152	0.0376	2.6300	0.0114	2.6415	0.7142	0.0108	0.7250	0.0000	3,524.6339	3,524.6339	0.1524	0.0000	3,528.4440

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0428	0.2916	2.2786	4.0400e-003		5.3200e-003	5.3200e-003		5.3200e-003	5.3200e-003	0.0000	343.0333	343.0333	0.0123	0.0000	343.3415
Total	0.0428	0.2916	2.2786	4.0400e-003		5.3200e-003	5.3200e-003		5.3200e-003	5.3200e-003	0.0000	343.0333	343.0333	0.0123	0.0000	343.3415

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3.5 Building Construction - 2046

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1632	7.5205	1.0225	0.0256	0.6583	6.8600e-003	0.6652	0.1901	6.5600e-003	0.1967	0.0000	2,436.5113	2,436.5113	0.1435	0.0000	2,440.0975
Worker	0.2242	0.1349	1.9927	0.0120	1.9717	4.5800e-003	1.9763	0.5241	4.2200e-003	0.5283	0.0000	1,088.1225	1,088.1225	8.9600e-003	0.0000	1,088.3464
Total	0.3874	7.6554	3.0152	0.0376	2.6300	0.0114	2.6415	0.7142	0.0108	0.7250	0.0000	3,524.6339	3,524.6339	0.1524	0.0000	3,528.4440

3.5 Building Construction - 2047

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1562	0.8992	2.1035	4.0400e-003		9.6200e-003	9.6200e-003		9.6200e-003	9.6200e-003	0.0000	343.0337	343.0337	0.0123	0.0000	343.3419
Total	0.1562	0.8992	2.1035	4.0400e-003		9.6200e-003	9.6200e-003		9.6200e-003	9.6200e-003	0.0000	343.0337	343.0337	0.0123	0.0000	343.3419

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3.5 Building Construction - 2047

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1632	7.5205	1.0225	0.0256	0.6583	6.8600e-003	0.6652	0.1901	6.5600e-003	0.1967	0.0000	2,436.5113	2,436.5113	0.1435	0.0000	2,440.0975
Worker	0.2242	0.1349	1.9927	0.0120	1.9717	4.5800e-003	1.9763	0.5241	4.2200e-003	0.5283	0.0000	1,088.1225	1,088.1225	8.9600e-003	0.0000	1,088.3464
Total	0.3874	7.6554	3.0152	0.0376	2.6300	0.0114	2.6415	0.7142	0.0108	0.7250	0.0000	3,524.6339	3,524.6339	0.1524	0.0000	3,528.4440

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0428	0.2916	2.2786	4.0400e-003		5.3200e-003	5.3200e-003		5.3200e-003	5.3200e-003	0.0000	343.0333	343.0333	0.0123	0.0000	343.3415
Total	0.0428	0.2916	2.2786	4.0400e-003		5.3200e-003	5.3200e-003		5.3200e-003	5.3200e-003	0.0000	343.0333	343.0333	0.0123	0.0000	343.3415

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3.5 Building Construction - 2047

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1632	7.5205	1.0225	0.0256	0.6583	6.8600e-003	0.6652	0.1901	6.5600e-003	0.1967	0.0000	2,436.5113	2,436.5113	0.1435	0.0000	2,440.0975
Worker	0.2242	0.1349	1.9927	0.0120	1.9717	4.5800e-003	1.9763	0.5241	4.2200e-003	0.5283	0.0000	1,088.1225	1,088.1225	8.9600e-003	0.0000	1,088.3464
Total	0.3874	7.6554	3.0152	0.0376	2.6300	0.0114	2.6415	0.7142	0.0108	0.7250	0.0000	3,524.6339	3,524.6339	0.1524	0.0000	3,528.4440

3.5 Building Construction - 2048

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0132	0.0758	0.1773	3.4000e-004		8.1000e-004	8.1000e-004		8.1000e-004	8.1000e-004	0.0000	28.9147	28.9147	1.0400e-003	0.0000	28.9407
Total	0.0132	0.0758	0.1773	3.4000e-004		8.1000e-004	8.1000e-004		8.1000e-004	8.1000e-004	0.0000	28.9147	28.9147	1.0400e-003	0.0000	28.9407

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3.5 Building Construction - 2048

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0138	0.6339	0.0862	2.1600e-003	0.0555	5.8000e-004	0.0561	0.0160	5.5000e-004	0.0166	0.0000	205.3764	205.3764	0.0121	0.0000	205.6787
Worker	0.0189	0.0114	0.1680	1.0100e-003	0.1662	3.9000e-004	0.1666	0.0442	3.6000e-004	0.0445	0.0000	91.7191	91.7191	7.5000e-004	0.0000	91.7380
Total	0.0327	0.6453	0.2542	3.1700e-003	0.2217	9.7000e-004	0.2227	0.0602	9.1000e-004	0.0611	0.0000	297.0956	297.0956	0.0128	0.0000	297.4167

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	3.6100e-003	0.0246	0.1921	3.4000e-004		4.5000e-004	4.5000e-004		4.5000e-004	4.5000e-004	0.0000	28.9147	28.9147	1.0400e-003	0.0000	28.9407
Total	3.6100e-003	0.0246	0.1921	3.4000e-004		4.5000e-004	4.5000e-004		4.5000e-004	4.5000e-004	0.0000	28.9147	28.9147	1.0400e-003	0.0000	28.9407

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3.5 Building Construction - 2048

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0138	0.6339	0.0862	2.1600e-003	0.0555	5.8000e-004	0.0561	0.0160	5.5000e-004	0.0166	0.0000	205.3764	205.3764	0.0121	0.0000	205.6787
Worker	0.0189	0.0114	0.1680	1.0100e-003	0.1662	3.9000e-004	0.1666	0.0442	3.6000e-004	0.0445	0.0000	91.7191	91.7191	7.5000e-004	0.0000	91.7380
Total	0.0327	0.6453	0.2542	3.1700e-003	0.2217	9.7000e-004	0.2227	0.0602	9.1000e-004	0.0611	0.0000	297.0956	297.0956	0.0128	0.0000	297.4167

3.6 Paving - 2040

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0546	0.1975	0.8542	1.5100e-003		6.2900e-003	6.2900e-003		6.2900e-003	6.2900e-003	0.0000	130.1374	130.1374	4.3700e-003	0.0000	130.2467
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0546	0.1975	0.8542	1.5100e-003		6.2900e-003	6.2900e-003		6.2900e-003	6.2900e-003	0.0000	130.1374	130.1374	4.3700e-003	0.0000	130.2467

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3.6 Paving - 2040

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.6000e-004	4.8000e-004	7.0800e-003	4.0000e-005	6.4700e-003	2.0000e-005	6.4900e-003	1.7200e-003	2.0000e-005	1.7400e-003	0.0000	3.6372	3.6372	3.0000e-005	0.0000	3.6380
Total	8.6000e-004	4.8000e-004	7.0800e-003	4.0000e-005	6.4700e-003	2.0000e-005	6.4900e-003	1.7200e-003	2.0000e-005	1.7400e-003	0.0000	3.6372	3.6372	3.0000e-005	0.0000	3.6380

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0152	0.0656	0.9340	1.5100e-003		2.0200e-003	2.0200e-003		2.0200e-003	2.0200e-003	0.0000	130.1372	130.1372	4.3700e-003	0.0000	130.2466
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0152	0.0656	0.9340	1.5100e-003		2.0200e-003	2.0200e-003		2.0200e-003	2.0200e-003	0.0000	130.1372	130.1372	4.3700e-003	0.0000	130.2466

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3.6 Paving - 2040

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.6000e-004	4.8000e-004	7.0800e-003	4.0000e-005	6.4700e-003	2.0000e-005	6.4900e-003	1.7200e-003	2.0000e-005	1.7400e-003	0.0000	3.6372	3.6372	3.0000e-005	0.0000	3.6380
Total	8.6000e-004	4.8000e-004	7.0800e-003	4.0000e-005	6.4700e-003	2.0000e-005	6.4900e-003	1.7200e-003	2.0000e-005	1.7400e-003	0.0000	3.6372	3.6372	3.0000e-005	0.0000	3.6380

3.6 Paving - 2041

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0157	0.0567	0.2452	4.3000e-004		1.8000e-003	1.8000e-003		1.8000e-003	1.8000e-003	0.0000	37.3543	37.3543	1.2600e-003	0.0000	37.3856
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0157	0.0567	0.2452	4.3000e-004		1.8000e-003	1.8000e-003		1.8000e-003	1.8000e-003	0.0000	37.3543	37.3543	1.2600e-003	0.0000	37.3856

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3.6 Paving - 2041

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.5000e-004	1.4000e-004	2.0300e-003	1.0000e-005	1.8600e-003	1.0000e-005	1.8600e-003	4.9000e-004	0.0000	5.0000e-004	0.0000	1.0440	1.0440	1.0000e-005	0.0000	1.0442
Total	2.5000e-004	1.4000e-004	2.0300e-003	1.0000e-005	1.8600e-003	1.0000e-005	1.8600e-003	4.9000e-004	0.0000	5.0000e-004	0.0000	1.0440	1.0440	1.0000e-005	0.0000	1.0442

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	4.3500e-003	0.0188	0.2681	4.3000e-004		5.8000e-004	5.8000e-004		5.8000e-004	5.8000e-004	0.0000	37.3542	37.3542	1.2600e-003	0.0000	37.3856
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	4.3500e-003	0.0188	0.2681	4.3000e-004		5.8000e-004	5.8000e-004		5.8000e-004	5.8000e-004	0.0000	37.3542	37.3542	1.2600e-003	0.0000	37.3856

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3.6 Paving - 2041

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.5000e-004	1.4000e-004	2.0300e-003	1.0000e-005	1.8600e-003	1.0000e-005	1.8600e-003	4.9000e-004	0.0000	5.0000e-004	0.0000	1.0440	1.0440	1.0000e-005	0.0000	1.0442
Total	2.5000e-004	1.4000e-004	2.0300e-003	1.0000e-005	1.8600e-003	1.0000e-005	1.8600e-003	4.9000e-004	0.0000	5.0000e-004	0.0000	1.0440	1.0440	1.0000e-005	0.0000	1.0442

3.7 Architectural Coating - 2040

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	25.1514					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.2000e-003	0.0393	0.0968	1.6000e-004		4.0000e-004	4.0000e-004		4.0000e-004	4.0000e-004	0.0000	13.7876	13.7876	4.9000e-004	0.0000	13.7997
Total	25.1576	0.0393	0.0968	1.6000e-004		4.0000e-004	4.0000e-004		4.0000e-004	4.0000e-004	0.0000	13.7876	13.7876	4.9000e-004	0.0000	13.7997

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3.7 Architectural Coating - 2040

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0216	0.0122	0.1785	1.0100e-003	0.1631	4.4000e-004	0.1635	0.0434	4.1000e-004	0.0438	0.0000	91.6561	91.6561	8.2000e-004	0.0000	91.6767
Total	0.0216	0.0122	0.1785	1.0100e-003	0.1631	4.4000e-004	0.1635	0.0434	4.1000e-004	0.0438	0.0000	91.6561	91.6561	8.2000e-004	0.0000	91.6767

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	25.1514					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.6000e-003	6.9500e-003	0.0990	1.6000e-004		2.1000e-004	2.1000e-004		2.1000e-004	2.1000e-004	0.0000	13.7876	13.7876	4.9000e-004	0.0000	13.7997
Total	25.1530	6.9500e-003	0.0990	1.6000e-004		2.1000e-004	2.1000e-004		2.1000e-004	2.1000e-004	0.0000	13.7876	13.7876	4.9000e-004	0.0000	13.7997

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3.7 Architectural Coating - 2040

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0216	0.0122	0.1785	1.0100e-003	0.1631	4.4000e-004	0.1635	0.0434	4.1000e-004	0.0438	0.0000	91.6561	91.6561	8.2000e-004	0.0000	91.6767
Total	0.0216	0.0122	0.1785	1.0100e-003	0.1631	4.4000e-004	0.1635	0.0434	4.1000e-004	0.0438	0.0000	91.6561	91.6561	8.2000e-004	0.0000	91.6767

3.7 Architectural Coating - 2041

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	7.2194					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.7800e-003	0.0113	0.0278	5.0000e-005		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004	0.0000	3.9575	3.9575	1.4000e-004	0.0000	3.9610
Total	7.2212	0.0113	0.0278	5.0000e-005		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004	0.0000	3.9575	3.9575	1.4000e-004	0.0000	3.9610

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3.7 Architectural Coating - 2041

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.1900e-003	3.4900e-003	0.0513	2.9000e-004	0.0468	1.3000e-004	0.0469	0.0124	1.2000e-004	0.0126	0.0000	26.3087	26.3087	2.4000e-004	0.0000	26.3146
Total	6.1900e-003	3.4900e-003	0.0513	2.9000e-004	0.0468	1.3000e-004	0.0469	0.0124	1.2000e-004	0.0126	0.0000	26.3087	26.3087	2.4000e-004	0.0000	26.3146

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	7.2194					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.6000e-004	2.0000e-003	0.0284	5.0000e-005		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005	0.0000	3.9575	3.9575	1.4000e-004	0.0000	3.9610
Total	7.2199	2.0000e-003	0.0284	5.0000e-005		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005	0.0000	3.9575	3.9575	1.4000e-004	0.0000	3.9610

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3.7 Architectural Coating - 2041

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.1900e-003	3.4900e-003	0.0513	2.9000e-004	0.0468	1.3000e-004	0.0469	0.0124	1.2000e-004	0.0126	0.0000	26.3087	26.3087	2.4000e-004	0.0000	26.3146
Total	6.1900e-003	3.4900e-003	0.0513	2.9000e-004	0.0468	1.3000e-004	0.0469	0.0124	1.2000e-004	0.0126	0.0000	26.3087	26.3087	2.4000e-004	0.0000	26.3146

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	3.5286	55.1091	37.2626	0.3156	26.1759	0.1051	26.2811	7.0245	0.0986	7.1230	0.0000	29,432.72 65	29,432.72 65	1.6191	0.0000	29,473.20 44
Unmitigated	3.5286	55.1091	37.2626	0.3156	26.1759	0.1051	26.2811	7.0245	0.0986	7.1230	0.0000	29,432.72 65	29,432.72 65	1.6191	0.0000	29,473.20 44

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	15,543.10	2,943.60	1516.40	34,273,184	34,273,184
Government Office Building	13,510.28	0.00	0.00	16,548,939	16,548,939
Office Park	5,093.32	731.44	338.96	9,501,184	9,501,184
Refrigerated Warehouse-No Rail	2,997.12	2,997.12	2997.12	8,750,125	8,750,125
Total	37,143.82	6,672.16	4,852.48	69,073,432	69,073,432

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	9.50	7.30	7.30	59.00	28.00	13.00	92	5	3
Government Office Building	9.50	7.30	7.30	33.00	62.00	5.00	50	34	16
Office Park	9.50	7.30	7.30	33.00	48.00	19.00	82	15	3
Refrigerated Warehouse-No	9.50	7.30	7.30	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix

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Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.563336	0.028772	0.182262	0.087992	0.007827	0.003289	0.025976	0.093152	0.001800	0.000871	0.003777	0.000531	0.000415
Government Office Building	0.563336	0.028772	0.182262	0.087992	0.007827	0.003289	0.025976	0.093152	0.001800	0.000871	0.003777	0.000531	0.000415
Office Park	0.563336	0.028772	0.182262	0.087992	0.007827	0.003289	0.025976	0.093152	0.001800	0.000871	0.003777	0.000531	0.000415
Refrigerated Warehouse-No Rail	0.563336	0.028772	0.182262	0.087992	0.007827	0.003289	0.025976	0.093152	0.001800	0.000871	0.003777	0.000531	0.000415

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	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	0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Mitigated	0.3210	2.9179	2.4511	0.0175		0.2218	0.2218		0.2218	0.2218	0.0000	3,176.5010	3,176.5010	0.0609	0.0582	3,195.3773
NaturalGas Unmitigated	0.3210	2.9179	2.4511	0.0175		0.2218	0.2218		0.2218	0.2218	0.0000	3,176.5010	3,176.5010	0.0609	0.0582	3,195.3773

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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					
General Light Industry	4.65401e+007	0.2510	2.2814	1.9164	0.0137		0.1734	0.1734		0.1734	0.1734	0.0000	2,483.5570	2,483.5570	0.0476	0.0455	2,498.3155
Government Office Building	2.5578e+006	0.0138	0.1254	0.1053	7.5000e-004		9.5300e-003	9.5300e-003		9.5300e-003	9.5300e-003	0.0000	136.4940	136.4940	2.6200e-003	2.5000e-003	137.3051
Office Park	1.01599e+007	0.0548	0.4980	0.4184	2.9900e-003		0.0379	0.0379		0.0379	0.0379	0.0000	542.1699	542.1699	0.0104	9.9400e-003	545.3917
Refrigerated Warehouse-No Rail	267600	1.4400e-003	0.0131	0.0110	8.0000e-005		1.0000e-003	1.0000e-003		1.0000e-003	1.0000e-003	0.0000	14.2802	14.2802	2.7000e-004	2.6000e-004	14.3650
Total		0.3210	2.9179	2.4511	0.0175		0.2218	0.2218		0.2218	0.2218	0.0000	3,176.5010	3,176.5010	0.0609	0.0582	3,195.3773

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5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
General Light Industry	4.65401e+007	0.2510	2.2814	1.9164	0.0137		0.1734	0.1734		0.1734	0.1734	0.0000	2,483.5570	2,483.5570	0.0476	0.0455	2,498.3155
Government Office Building	2.5578e+006	0.0138	0.1254	0.1053	7.5000e-004		9.5300e-003	9.5300e-003		9.5300e-003	9.5300e-003	0.0000	136.4940	136.4940	2.6200e-003	2.5000e-003	137.3051
Office Park	1.01599e+007	0.0548	0.4980	0.4184	2.9900e-003		0.0379	0.0379		0.0379	0.0379	0.0000	542.1699	542.1699	0.0104	9.9400e-003	545.3917
Refrigerated Warehouse-No Rail	267600	1.4400e-003	0.0131	0.0110	8.0000e-005		1.0000e-003	1.0000e-003		1.0000e-003	1.0000e-003	0.0000	14.2802	14.2802	2.7000e-004	2.6000e-004	14.3650
Total		0.3210	2.9179	2.4511	0.0175		0.2218	0.2218		0.2218	0.2218	0.0000	3,176.5010	3,176.5010	0.0609	0.0582	3,195.3773

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5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Light Industry	1.96686e+007	0.0000	0.0000	0.0000	0.0000
Government Office Building	1.78752e+006	0.0000	0.0000	0.0000	0.0000
Office Park	5.20036e+006	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	4.44394e+007	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

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5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Light Industry	1.96686e+007	0.0000	0.0000	0.0000	0.0000
Government Office Building	1.78752e+006	0.0000	0.0000	0.0000	0.0000
Office Park	5.20036e+006	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	4.44394e+007	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

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	21.4250	3.8000e-004	0.0425	0.0000		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004	0.0000	0.0832	0.0832	2.1000e-004	0.0000	0.0886
Unmitigated	21.4250	3.8000e-004	0.0425	0.0000		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004	0.0000	0.0832	0.0832	2.1000e-004	0.0000	0.0886

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	3.2371					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	18.1840					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	3.8900e-003	3.8000e-004	0.0425	0.0000		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004	0.0000	0.0832	0.0832	2.1000e-004	0.0000	0.0886
Total	21.4250	3.8000e-004	0.0425	0.0000		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004	0.0000	0.0832	0.0832	2.1000e-004	0.0000	0.0886

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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	3.2371					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	18.1840					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	3.8900e-003	3.8000e-004	0.0425	0.0000		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004	0.0000	0.0832	0.0832	2.1000e-004	0.0000	0.0886
Total	21.4250	3.8000e-004	0.0425	0.0000		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004	0.0000	0.0832	0.0832	2.1000e-004	0.0000	0.0886

7.0 Water Detail

7.1 Mitigation Measures Water

Crows Landing_Phase 3 - Stanislaus County, Annual

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	331.9884	34.0984	0.8051	1,424.379 1
Unmitigated	331.9884	34.0984	0.8051	1,424.379 1

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Light Industry	515.688 / 0	163.6039	16.8037	0.3968	701.9338
Government Office Building	38.9373 / 23.8648	12.3530	1.2688	0.0300	52.9999
Office Park	79.2693 / 48.5844	25.1485	2.5830	0.0610	107.8982
Refrigerated Warehouse-No Rail	412.55 / 0	130.8831	13.4430	0.3174	561.5471
Total		331.9884	34.0984	0.8051	1,424.379 1

Crows Landing_Phase 3 - Stanislaus County, Annual

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Light Industry	515.688 / 0	163.6039	16.8037	0.3968	701.9338
Government Office Building	38.9373 / 23.8648	12.3530	1.2688	0.0300	52.9999
Office Park	79.2693 / 48.5844	25.1485	2.5830	0.0610	107.8982
Refrigerated Warehouse-No Rail	412.55 / 0	130.8831	13.4430	0.3174	561.5471
Total		331.9884	34.0984	0.8051	1,424.3791

8.0 Waste Detail

8.1 Mitigation Measures Waste

Crows Landing_Phase 3 - Stanislaus County, Annual

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	1,022.916 1	60.4526	0.0000	2,534.231 4
Unmitigated	1,022.916 1	60.4526	0.0000	2,534.231 4

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Light Industry	2765.2	561.3106	33.1725	0.0000	1,390.623 3
Government Office Building	182.28	37.0012	2.1867	0.0000	91.6689
Office Park	414.78	84.1966	4.9759	0.0000	208.5935
Refrigerated Warehouse-No Rail	1676.96	340.4077	20.1175	0.0000	843.3457
Total		1,022.916 1	60.4526	0.0000	2,534.231 4

Crows Landing_Phase 3 - Stanislaus County, Annual

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Light Industry	2765.2	561.3106	33.1725	0.0000	1,390.623 3
Government Office Building	182.28	37.0012	2.1867	0.0000	91.6689
Office Park	414.78	84.1966	4.9759	0.0000	208.5935
Refrigerated Warehouse-No Rail	1676.96	340.4077	20.1175	0.0000	843.3457
Total		1,022.916 1	60.4526	0.0000	2,534.231 4

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

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

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

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Equipment Type	Number
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11.0 Vegetation

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**Crows Landing Operational
Stanislaus County, Annual**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Government Office Building	740.00	1000sqft	68.00	740,000.00	0
Office Park	2,327.00	1000sqft	78.00	2,327,000.00	0
General Light Industry	13,478.00	1000sqft	767.00	13,478,000.00	0
Refrigerated Warehouse-No Rail	5,955.00	1000sqft	349.00	5,955,000.00	0

1.2 Other Project Characteristics

Urbanization	Rural	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	46
Climate Zone	3			Operational Year	2045
Utility Company	Turlock Irrigation District				
CO2 Intensity (lb/MW hr)	0	CH4 Intensity (lb/MW hr)	0	N2O Intensity (lb/MW hr)	0

1.3 User Entered Comments & Non-Default Data

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Project Characteristics - TID provides electrical services and PG&E provides natural gas services to the region. Used TID for Utility Information as TID intensity factors are higher.

Land Use - Traffic report and land use plan

Construction Phase - no construction for this run

Off-road Equipment - no construction for this run

Trips and VMT - no construction for this run

Vehicle Trips - traffic report trip rates for all land uses

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Area Coating -

Energy Use -

Water And Wastewater -

Solid Waste -

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Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	155,000.00	32.00
tblConstructionPhase	PhaseEndDate	2/15/2613	2/13/2019
tblLandUse	LotAcreage	16.99	68.00
tblLandUse	LotAcreage	53.42	78.00
tblLandUse	LotAcreage	309.41	767.00
tblLandUse	LotAcreage	136.71	349.00
tblOffRoadEquipment	HorsePower	231.00	226.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0
tblProjectCharacteristics	CO2IntensityFactor	790	0
tblProjectCharacteristics	N2OIntensityFactor	0.006	0
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblTripsAndVMT	VendorTripNumber	3,688.00	15.00
tblTripsAndVMT	WorkerTripNumber	9,143.00	15.00
tblVehicleTrips	WD_TR	6.97	1.53
tblVehicleTrips	WD_TR	68.93	9.06
tblVehicleTrips	WD_TR	11.42	6.48

2.0 Emissions Summary

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Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-1-2019	3-31-2019	0.1220	0.1220
		Highest	0.1220	0.1220

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	103.5357	1.8500e-003	0.2054	2.0000e-005		7.3000e-004	7.3000e-004		7.3000e-004	7.3000e-004	0.0000	0.4020	0.4020	1.0400e-003	0.0000	0.4279
Energy	1.8595	16.9042	14.1995	0.1014		1.2847	1.2847		1.2847	1.2847	0.0000	18,402.2515	18,402.2515	0.3527	0.3374	18,511.6069
Mobile	6.6517	96.5011	78.0002	0.6672	58.1385	0.2266	58.3650	15.6018	0.2125	15.8143	0.0000	62,176.0500	62,176.0500	2.7848	0.0000	62,245.6687
Waste						0.0000	0.0000		0.0000	0.0000	5,107.8068	0.0000	5,107.8068	301.8627	0.0000	12,654.3751
Water						0.0000	0.0000		0.0000	0.0000	1,603.5520	0.0000	1,603.5520	164.7002	3.8889	6,879.9567
Total	112.0468	113.4071	92.4052	0.7686	58.1385	1.5120	59.6505	15.6018	1.4980	17.0997	6,711.3588	80,578.7036	87,290.0624	469.7014	4.2263	100,292.0354

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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	103.5357	1.8500e-003	0.2054	2.0000e-005		7.3000e-004	7.3000e-004		7.3000e-004	7.3000e-004	0.0000	0.4020	0.4020	1.0400e-003	0.0000	0.4279
Energy	1.8595	16.9042	14.1995	0.1014		1.2847	1.2847		1.2847	1.2847	0.0000	18,402.2515	18,402.2515	0.3527	0.3374	18,511.6069
Mobile	6.6517	96.5011	78.0002	0.6672	58.1385	0.2266	58.3650	15.6018	0.2125	15.8143	0.0000	62,176.0500	62,176.0500	2.7848	0.0000	62,245.6687
Waste						0.0000	0.0000		0.0000	0.0000	5,107.8068	0.0000	5,107.8068	301.8627	0.0000	12,654.3751
Water						0.0000	0.0000		0.0000	0.0000	1,603.5520	0.0000	1,603.5520	164.7002	3.8889	6,879.9567
Total	112.0468	113.4071	92.4052	0.7686	58.1385	1.5120	59.6505	15.6018	1.4980	17.0997	6,711.3588	80,578.7036	87,290.0624	469.7014	4.2263	100,292.0354

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Building Construction	Building Construction	1/1/2019	2/13/2019	5	32	

Acres of Grading (Site Preparation Phase): 0

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Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Building Construction	Cranes	1	7.00	226	0.29
Building Construction	Forklifts	0	8.00	89	0.20
Building Construction	Generator Sets	0	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Building Construction	Welders	0	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Building Construction	1	15.00	15.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

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3.2 Building Construction - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	6.9000e-003	0.0823	0.0314	8.0000e-005		3.4900e-003	3.4900e-003		3.2100e-003	3.2100e-003	0.0000	7.0977	7.0977	2.2500e-003	0.0000	7.1538
Total	6.9000e-003	0.0823	0.0314	8.0000e-005		3.4900e-003	3.4900e-003		3.2100e-003	3.2100e-003	0.0000	7.0977	7.0977	2.2500e-003	0.0000	7.1538

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.0600e-003	0.0308	5.6100e-003	6.0000e-005	1.4400e-003	2.2000e-004	1.6600e-003	4.1000e-004	2.1000e-004	6.3000e-004	0.0000	5.9932	5.9932	5.8000e-004	0.0000	6.0078
Worker	1.6400e-003	1.2300e-003	0.0126	3.0000e-005	2.9800e-003	2.0000e-005	3.0000e-003	7.9000e-004	2.0000e-005	8.1000e-004	0.0000	2.8026	2.8026	9.0000e-005	0.0000	2.8049
Total	2.7000e-003	0.0321	0.0182	9.0000e-005	4.4200e-003	2.4000e-004	4.6600e-003	1.2000e-003	2.3000e-004	1.4400e-003	0.0000	8.7958	8.7958	6.7000e-004	0.0000	8.8127

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3.2 Building Construction - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	6.9000e-003	0.0823	0.0314	8.0000e-005		3.4900e-003	3.4900e-003		3.2100e-003	3.2100e-003	0.0000	7.0977	7.0977	2.2500e-003	0.0000	7.1538
Total	6.9000e-003	0.0823	0.0314	8.0000e-005		3.4900e-003	3.4900e-003		3.2100e-003	3.2100e-003	0.0000	7.0977	7.0977	2.2500e-003	0.0000	7.1538

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.0600e-003	0.0308	5.6100e-003	6.0000e-005	1.4400e-003	2.2000e-004	1.6600e-003	4.1000e-004	2.1000e-004	6.3000e-004	0.0000	5.9932	5.9932	5.8000e-004	0.0000	6.0078
Worker	1.6400e-003	1.2300e-003	0.0126	3.0000e-005	2.9800e-003	2.0000e-005	3.0000e-003	7.9000e-004	2.0000e-005	8.1000e-004	0.0000	2.8026	2.8026	9.0000e-005	0.0000	2.8049
Total	2.7000e-003	0.0321	0.0182	9.0000e-005	4.4200e-003	2.4000e-004	4.6600e-003	1.2000e-003	2.3000e-004	1.4400e-003	0.0000	8.7958	8.7958	6.7000e-004	0.0000	8.8127

4.0 Operational Detail - Mobile

Crows Landing Operational - Stanislaus County, Annual

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	6.6517	96.5011	78.0002	0.6672	58.1385	0.2266	58.3650	15.6018	0.2125	15.8143	0.0000	62,176.0500	62,176.0500	2.7848	0.0000	62,245.6687
Unmitigated	6.6517	96.5011	78.0002	0.6672	58.1385	0.2266	58.3650	15.6018	0.2125	15.8143	0.0000	62,176.0500	62,176.0500	2.7848	0.0000	62,245.6687

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	20,621.34	17,790.96	9165.04	71,784,688	71,784,688
Government Office Building	6,704.40	0.00	0.00	9,483,932	9,483,932
Office Park	15,078.96	3,816.28	1768.52	33,496,326	33,496,326
Refrigerated Warehouse-No Rail	10,004.40	10,004.40	10004.40	38,651,659	38,651,659
Total	52,409.10	31,611.64	20,937.96	153,416,606	153,416,606

4.3 Trip Type Information

Crows Landing Operational - Stanislaus County, Annual

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	14.70	6.60	6.60	59.00	28.00	13.00	92	5	3
Government Office Building	14.70	6.60	6.60	33.00	62.00	5.00	50	34	16
Office Park	14.70	6.60	6.60	33.00	48.00	19.00	82	15	3
Refrigerated Warehouse-No	14.70	6.60	6.60	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.563336	0.028772	0.182262	0.087992	0.007827	0.003289	0.025976	0.093152	0.001800	0.000871	0.003777	0.000531	0.000415
Government Office Building	0.563336	0.028772	0.182262	0.087992	0.007827	0.003289	0.025976	0.093152	0.001800	0.000871	0.003777	0.000531	0.000415
Office Park	0.563336	0.028772	0.182262	0.087992	0.007827	0.003289	0.025976	0.093152	0.001800	0.000871	0.003777	0.000531	0.000415
Refrigerated Warehouse-No Rail	0.563336	0.028772	0.182262	0.087992	0.007827	0.003289	0.025976	0.093152	0.001800	0.000871	0.003777	0.000531	0.000415

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Crows Landing Operational - Stanislaus County, Annual

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Mitigated	1.8595	16.9042	14.1995	0.1014		1.2847	1.2847		1.2847	1.2847	0.0000	18,402.2515	18,402.2515	0.3527	0.3374	18,511.6069
NaturalGas Unmitigated	1.8595	16.9042	14.1995	0.1014		1.2847	1.2847		1.2847	1.2847	0.0000	18,402.2515	18,402.2515	0.3527	0.3374	18,511.6069

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					
General Light Industry	2.81286e+008	1.5167	13.7885	11.5824	0.0827		1.0479	1.0479		1.0479	1.0479	0.0000	15,010.4847	15,010.4847	0.2877	0.2752	15,099.6845
Government Office Building	9.657e+006	0.0521	0.4734	0.3976	2.8400e-003		0.0360	0.0360		0.0360	0.0360	0.0000	515.3343	515.3343	9.8800e-003	9.4500e-003	518.3967
Office Park	5.30091e+007	0.2858	2.5985	2.1827	0.0156		0.1975	0.1975		0.1975	0.1975	0.0000	2,828.7653	2,828.7653	0.0542	0.0519	2,845.5753
Refrigerated Warehouse-No Rail	893250	4.8200e-003	0.0438	0.0368	2.6000e-004		3.3300e-003	3.3300e-003		3.3300e-003	3.3300e-003	0.0000	47.6672	47.6672	9.1000e-004	8.7000e-004	47.9505
Total		1.8595	16.9042	14.1995	0.1014		1.2847	1.2847		1.2847	1.2847	0.0000	18,402.2515	18,402.2515	0.3527	0.3374	18,511.6069

Crows Landing Operational - Stanislaus County, Annual

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
General Light Industry	2.81286e+008	1.5167	13.7885	11.5824	0.0827		1.0479	1.0479		1.0479	1.0479	0.0000	15,010.4847	15,010.4847	0.2877	0.2752	15,099.6845
Government Office Building	9.657e+006	0.0521	0.4734	0.3976	2.8400e-003		0.0360	0.0360		0.0360	0.0360	0.0000	515.3343	515.3343	9.8800e-003	9.4500e-003	518.3967
Office Park	5.30091e+007	0.2858	2.5985	2.1827	0.0156		0.1975	0.1975		0.1975	0.1975	0.0000	2,828.7653	2,828.7653	0.0542	0.0519	2,845.5753
Refrigerated Warehouse-No Rail	893250	4.8200e-003	0.0438	0.0368	2.6000e-004		3.3300e-003	3.3300e-003		3.3300e-003	3.3300e-003	0.0000	47.6672	47.6672	9.1000e-004	8.7000e-004	47.9505
Total		1.8595	16.9042	14.1995	0.1014		1.2847	1.2847		1.2847	1.2847	0.0000	18,402.2515	18,402.2515	0.3527	0.3374	18,511.6069

Crows Landing Operational - Stanislaus County, Annual

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Light Industry	1.18876e+008	0.0000	0.0000	0.0000	0.0000
Government Office Building	6.7488e+006	0.0000	0.0000	0.0000	0.0000
Office Park	2.71328e+007	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	1.48339e+008	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Crows Landing Operational - Stanislaus County, Annual

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Light Industry	1.18876e+008	0.0000	0.0000	0.0000	0.0000
Government Office Building	6.7488e+006	0.0000	0.0000	0.0000	0.0000
Office Park	2.71328e+007	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	1.48339e+008	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

Crows Landing Operational - Stanislaus County, Annual

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	103.5357	1.8500e-003	0.2054	2.0000e-005		7.3000e-004	7.3000e-004		7.3000e-004	7.3000e-004	0.0000	0.4020	0.4020	1.0400e-003	0.0000	0.4279
Unmitigated	103.5357	1.8500e-003	0.2054	2.0000e-005		7.3000e-004	7.3000e-004		7.3000e-004	7.3000e-004	0.0000	0.4020	0.4020	1.0400e-003	0.0000	0.4279

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	15.6431					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	87.8738					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0188	1.8500e-003	0.2054	2.0000e-005		7.3000e-004	7.3000e-004		7.3000e-004	7.3000e-004	0.0000	0.4020	0.4020	1.0400e-003	0.0000	0.4279
Total	103.5357	1.8500e-003	0.2054	2.0000e-005		7.3000e-004	7.3000e-004		7.3000e-004	7.3000e-004	0.0000	0.4020	0.4020	1.0400e-003	0.0000	0.4279

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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	15.6431					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	87.8738					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0188	1.8500e-003	0.2054	2.0000e-005		7.3000e-004	7.3000e-004		7.3000e-004	7.3000e-004	0.0000	0.4020	0.4020	1.0400e-003	0.0000	0.4279
Total	103.5357	1.8500e-003	0.2054	2.0000e-005		7.3000e-004	7.3000e-004		7.3000e-004	7.3000e-004	0.0000	0.4020	0.4020	1.0400e-003	0.0000	0.4279

7.0 Water Detail

7.1 Mitigation Measures Water

Crows Landing Operational - Stanislaus County, Annual

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	1,603.552 0	164.7002	3.8889	6,879.956 7
Unmitigated	1,603.552 0	164.7002	3.8889	6,879.956 7

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Light Industry	3116.79 / 0	988.8129	101.5606	2.3981	4,242.450 4
Government Office Building	147.008 / 90.1018	46.6389	4.7903	0.1131	200.1018
Office Park	413.586 / 253.488	131.2119	13.4767	0.3182	562.9578
Refrigerated Warehouse-No Rail	1377.09 / 0	436.8883	44.8726	1.0595	1,874.446 7
Total		1,603.552 0	164.7002	3.8889	6,879.956 7

Crows Landing Operational - Stanislaus County, Annual

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Light Industry	3116.79 / 0	988.8129	101.5606	2.3981	4,242.4504
Government Office Building	147.008 / 90.1018	46.6389	4.7903	0.1131	200.1018
Office Park	413.586 / 253.488	131.2119	13.4767	0.3182	562.9578
Refrigerated Warehouse-No Rail	1377.09 / 0	436.8883	44.8726	1.0595	1,874.4467
Total		1,603.5520	164.7002	3.8889	6,879.9567

8.0 Waste Detail

8.1 Mitigation Measures Waste

Crows Landing Operational - Stanislaus County, Annual

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	5,107.8068	301.8627	0.0000	12,654.3751
Unmitigated	5,107.8068	301.8627	0.0000	12,654.3751

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Light Industry	16712.7	3,392.5311	200.4929	0.0000	8,404.8523
Government Office Building	688.2	139.6984	8.2559	0.0000	346.0968
Office Park	2164.11	439.2948	25.9616	0.0000	1,088.3342
Refrigerated Warehouse-No Rail	5597.7	1,136.2825	67.1524	0.0000	2,815.0918
Total		5,107.8068	301.8627	0.0000	12,654.3751

Crows Landing Operational - Stanislaus County, Annual

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Light Industry	16712.7	3,392.531 1	200.4929	0.0000	8,404.852 3
Government Office Building	688.2	139.6984	8.2559	0.0000	346.0968
Office Park	2164.11	439.2948	25.9616	0.0000	1,088.334 2
Refrigerated Warehouse-No Rail	5597.7	1,136.282 5	67.1524	0.0000	2,815.091 8
Total		5,107.806 8	301.8627	0.0000	12,654.37 51

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

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

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

Crows Landing Operational - Stanislaus County, Annual

Equipment Type	Number
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11.0 Vegetation

Crows Landing Operational - Stanislaus County, Annual

**Crows Landing Operational
Stanislaus County, Annual**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Government Office Building	740.00	1000sqft	68.00	740,000.00	0
Office Park	2,327.00	1000sqft	78.00	2,327,000.00	0
General Light Industry	13,478.00	1000sqft	767.00	13,478,000.00	0
Refrigerated Warehouse-No Rail	5,955.00	1000sqft	349.00	5,955,000.00	0

1.2 Other Project Characteristics

Urbanization	Rural	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	46
Climate Zone	3			Operational Year	2045
Utility Company	Turlock Irrigation District				
CO2 Intensity (lb/MW hr)	790	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Crows Landing Operational - Stanislaus County, Annual

Project Characteristics - TID provides electrical services and PG&E provides natural gas services to the region. Used TID for Utility Information as TID intensity factors are higher.

Land Use - Traffic report and land use plan

Construction Phase - no construction for this run

Off-road Equipment - no construction for this run

Trips and VMT - no construction for this run

Vehicle Trips - traffic report trip rates for all land uses

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Area Coating -

Energy Use -

Water And Wastewater -

Solid Waste -

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Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	155,000.00	32.00
tblConstructionPhase	PhaseEndDate	2/15/2613	2/13/2019
tblLandUse	LotAcreage	16.99	68.00
tblLandUse	LotAcreage	53.42	78.00
tblLandUse	LotAcreage	309.41	767.00
tblLandUse	LotAcreage	136.71	349.00
tblOffRoadEquipment	HorsePower	231.00	226.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblTripsAndVMT	VendorTripNumber	3,688.00	15.00
tblTripsAndVMT	WorkerTripNumber	9,143.00	15.00
tblVehicleTrips	WD_TR	6.97	1.53
tblVehicleTrips	WD_TR	68.93	9.06
tblVehicleTrips	WD_TR	11.42	6.48

2.0 Emissions Summary

Crows Landing Operational - Stanislaus County, Annual

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-1-2019	3-31-2019	0.1220	0.1220
		Highest	0.1220	0.1220

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	103.5357	1.8500e-003	0.2054	2.0000e-005		7.3000e-004	7.3000e-004		7.3000e-004	7.3000e-004	0.0000	0.4020	0.4020	1.0400e-003	0.0000	0.4279
Energy	1.8595	16.9042	14.1995	0.1014		1.2847	1.2847		1.2847	1.2847	0.0000	126,296.6074	126,296.6074	4.3134	1.1568	126,749.1761
Mobile	6.6517	96.5011	78.0002	0.6672	58.1385	0.2266	58.3650	15.6018	0.2125	15.8143	0.0000	62,176.0500	62,176.0500	2.7848	0.0000	62,245.6687
Waste						0.0000	0.0000		0.0000	0.0000	5,107.8068	0.0000	5,107.8068	301.8627	0.0000	12,654.3751
Water						0.0000	0.0000		0.0000	0.0000	1,603.5520	10,231.3857	11,834.9377	165.0758	3.9666	17,143.8886
Total	112.0468	113.4071	92.4052	0.7686	58.1385	1.5120	59.6505	15.6018	1.4980	17.0997	6,711.3588	198,704.4451	205,415.8039	474.0377	5.1235	218,793.5364

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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	103.5357	1.8500e-003	0.2054	2.0000e-005		7.3000e-004	7.3000e-004		7.3000e-004	7.3000e-004	0.0000	0.4020	0.4020	1.0400e-003	0.0000	0.4279
Energy	1.8595	16.9042	14.1995	0.1014		1.2847	1.2847		1.2847	1.2847	0.0000	126,296.6074	126,296.6074	4.3134	1.1568	126,749.1761
Mobile	6.6517	96.5011	78.0002	0.6672	58.1385	0.2266	58.3650	15.6018	0.2125	15.8143	0.0000	62,176.0500	62,176.0500	2.7848	0.0000	62,245.6687
Waste						0.0000	0.0000		0.0000	0.0000	5,107.8068	0.0000	5,107.8068	301.8627	0.0000	12,654.3751
Water						0.0000	0.0000		0.0000	0.0000	1,603.5520	10,231.3857	11,834.9377	165.0758	3.9666	17,143.8886
Total	112.0468	113.4071	92.4052	0.7686	58.1385	1.5120	59.6505	15.6018	1.4980	17.0997	6,711.3588	198,704.4451	205,415.8039	474.0377	5.1235	218,793.5364

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Building Construction	Building Construction	1/1/2019	2/13/2019	5	32	

Acres of Grading (Site Preparation Phase): 0

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Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Building Construction	Cranes	1	7.00	226	0.29
Building Construction	Forklifts	0	8.00	89	0.20
Building Construction	Generator Sets	0	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Building Construction	Welders	0	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Building Construction	1	15.00	15.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

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3.2 Building Construction - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	6.9000e-003	0.0823	0.0314	8.0000e-005		3.4900e-003	3.4900e-003		3.2100e-003	3.2100e-003	0.0000	7.0977	7.0977	2.2500e-003	0.0000	7.1538
Total	6.9000e-003	0.0823	0.0314	8.0000e-005		3.4900e-003	3.4900e-003		3.2100e-003	3.2100e-003	0.0000	7.0977	7.0977	2.2500e-003	0.0000	7.1538

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.0600e-003	0.0308	5.6100e-003	6.0000e-005	1.4400e-003	2.2000e-004	1.6600e-003	4.1000e-004	2.1000e-004	6.3000e-004	0.0000	5.9932	5.9932	5.8000e-004	0.0000	6.0078
Worker	1.6400e-003	1.2300e-003	0.0126	3.0000e-005	2.9800e-003	2.0000e-005	3.0000e-003	7.9000e-004	2.0000e-005	8.1000e-004	0.0000	2.8026	2.8026	9.0000e-005	0.0000	2.8049
Total	2.7000e-003	0.0321	0.0182	9.0000e-005	4.4200e-003	2.4000e-004	4.6600e-003	1.2000e-003	2.3000e-004	1.4400e-003	0.0000	8.7958	8.7958	6.7000e-004	0.0000	8.8127

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3.2 Building Construction - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	6.9000e-003	0.0823	0.0314	8.0000e-005		3.4900e-003	3.4900e-003		3.2100e-003	3.2100e-003	0.0000	7.0977	7.0977	2.2500e-003	0.0000	7.1538
Total	6.9000e-003	0.0823	0.0314	8.0000e-005		3.4900e-003	3.4900e-003		3.2100e-003	3.2100e-003	0.0000	7.0977	7.0977	2.2500e-003	0.0000	7.1538

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.0600e-003	0.0308	5.6100e-003	6.0000e-005	1.4400e-003	2.2000e-004	1.6600e-003	4.1000e-004	2.1000e-004	6.3000e-004	0.0000	5.9932	5.9932	5.8000e-004	0.0000	6.0078
Worker	1.6400e-003	1.2300e-003	0.0126	3.0000e-005	2.9800e-003	2.0000e-005	3.0000e-003	7.9000e-004	2.0000e-005	8.1000e-004	0.0000	2.8026	2.8026	9.0000e-005	0.0000	2.8049
Total	2.7000e-003	0.0321	0.0182	9.0000e-005	4.4200e-003	2.4000e-004	4.6600e-003	1.2000e-003	2.3000e-004	1.4400e-003	0.0000	8.7958	8.7958	6.7000e-004	0.0000	8.8127

4.0 Operational Detail - Mobile

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4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	6.6517	96.5011	78.0002	0.6672	58.1385	0.2266	58.3650	15.6018	0.2125	15.8143	0.0000	62,176.0500	62,176.0500	2.7848	0.0000	62,245.6687
Unmitigated	6.6517	96.5011	78.0002	0.6672	58.1385	0.2266	58.3650	15.6018	0.2125	15.8143	0.0000	62,176.0500	62,176.0500	2.7848	0.0000	62,245.6687

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	20,621.34	17,790.96	9165.04	71,784,688	71,784,688
Government Office Building	6,704.40	0.00	0.00	9,483,932	9,483,932
Office Park	15,078.96	3,816.28	1768.52	33,496,326	33,496,326
Refrigerated Warehouse-No Rail	10,004.40	10,004.40	10004.40	38,651,659	38,651,659
Total	52,409.10	31,611.64	20,937.96	153,416,606	153,416,606

4.3 Trip Type Information

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Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	14.70	6.60	6.60	59.00	28.00	13.00	92	5	3
Government Office Building	14.70	6.60	6.60	33.00	62.00	5.00	50	34	16
Office Park	14.70	6.60	6.60	33.00	48.00	19.00	82	15	3
Refrigerated Warehouse-No	14.70	6.60	6.60	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.563336	0.028772	0.182262	0.087992	0.007827	0.003289	0.025976	0.093152	0.001800	0.000871	0.003777	0.000531	0.000415
Government Office Building	0.563336	0.028772	0.182262	0.087992	0.007827	0.003289	0.025976	0.093152	0.001800	0.000871	0.003777	0.000531	0.000415
Office Park	0.563336	0.028772	0.182262	0.087992	0.007827	0.003289	0.025976	0.093152	0.001800	0.000871	0.003777	0.000531	0.000415
Refrigerated Warehouse-No Rail	0.563336	0.028772	0.182262	0.087992	0.007827	0.003289	0.025976	0.093152	0.001800	0.000871	0.003777	0.000531	0.000415

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	107,894.3559	107,894.3559	3.9607	0.8195	108,237.5692
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	107,894.3559	107,894.3559	3.9607	0.8195	108,237.5692
NaturalGas Mitigated	1.8595	16.9042	14.1995	0.1014		1.2847	1.2847		1.2847	1.2847	0.0000	18,402.2515	18,402.2515	0.3527	0.3374	18,511.6069
NaturalGas Unmitigated	1.8595	16.9042	14.1995	0.1014		1.2847	1.2847		1.2847	1.2847	0.0000	18,402.2515	18,402.2515	0.3527	0.3374	18,511.6069

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					
General Light Industry	2.81286e+008	1.5167	13.7885	11.5824	0.0827		1.0479	1.0479		1.0479	1.0479	0.0000	15,010.4847	15,010.4847	0.2877	0.2752	15,099.6845
Government Office Building	9.657e+006	0.0521	0.4734	0.3976	2.8400e-003		0.0360	0.0360		0.0360	0.0360	0.0000	515.3343	515.3343	9.8800e-003	9.4500e-003	518.3967
Office Park	5.30091e+007	0.2858	2.5985	2.1827	0.0156		0.1975	0.1975		0.1975	0.1975	0.0000	2,828.7653	2,828.7653	0.0542	0.0519	2,845.5753
Refrigerated Warehouse-No Rail	893250	4.8200e-003	0.0438	0.0368	2.6000e-004		3.3300e-003	3.3300e-003		3.3300e-003	3.3300e-003	0.0000	47.6672	47.6672	9.1000e-004	8.7000e-004	47.9505
Total		1.8595	16.9042	14.1995	0.1014		1.2847	1.2847		1.2847	1.2847	0.0000	18,402.2515	18,402.2515	0.3527	0.3374	18,511.6069

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5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
General Light Industry	2.81286e+008	1.5167	13.7885	11.5824	0.0827		1.0479	1.0479		1.0479	1.0479	0.0000	15,010.4847	15,010.4847	0.2877	0.2752	15,099.6845
Government Office Building	9.657e+006	0.0521	0.4734	0.3976	2.8400e-003		0.0360	0.0360		0.0360	0.0360	0.0000	515.3343	515.3343	9.8800e-003	9.4500e-003	518.3967
Office Park	5.30091e+007	0.2858	2.5985	2.1827	0.0156		0.1975	0.1975		0.1975	0.1975	0.0000	2,828.7653	2,828.7653	0.0542	0.0519	2,845.5753
Refrigerated Warehouse-No Rail	893250	4.8200e-003	0.0438	0.0368	2.6000e-004		3.3300e-003	3.3300e-003		3.3300e-003	3.3300e-003	0.0000	47.6672	47.6672	9.1000e-004	8.7000e-004	47.9505
Total		1.8595	16.9042	14.1995	0.1014		1.2847	1.2847		1.2847	1.2847	0.0000	18,402.2515	18,402.2515	0.3527	0.3374	18,511.6069

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5.3 Energy by Land Use - Electricity**Unmitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Light Industry	1.18876e+008	42,597.7705	1.5637	0.3235	42,733.2745
Government Office Building	6.7488e+006	2,418.3513	0.0888	0.0184	2,426.0441
Office Park	2.71328e+007	9,722.7197	0.3569	0.0738	9,753.6478
Refrigerated Warehouse-No Rail	1.48339e+008	53,155.5144	1.9513	0.4037	53,324.6028
Total		107,894.3559	3.9607	0.8195	108,237.5692

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5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Light Industry	1.18876e+008	42,597.7705	1.5637	0.3235	42,733.2745
Government Office Building	6.7488e+006	2,418.3513	0.0888	0.0184	2,426.0441
Office Park	2.71328e+007	9,722.7197	0.3569	0.0738	9,753.6478
Refrigerated Warehouse-No Rail	1.48339e+008	53,155.5144	1.9513	0.4037	53,324.6028
Total		107,894.3559	3.9607	0.8195	108,237.5692

6.0 Area Detail

6.1 Mitigation Measures Area

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	103.5357	1.8500e-003	0.2054	2.0000e-005		7.3000e-004	7.3000e-004		7.3000e-004	7.3000e-004	0.0000	0.4020	0.4020	1.0400e-003	0.0000	0.4279
Unmitigated	103.5357	1.8500e-003	0.2054	2.0000e-005		7.3000e-004	7.3000e-004		7.3000e-004	7.3000e-004	0.0000	0.4020	0.4020	1.0400e-003	0.0000	0.4279

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	15.6431					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	87.8738					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0188	1.8500e-003	0.2054	2.0000e-005		7.3000e-004	7.3000e-004		7.3000e-004	7.3000e-004	0.0000	0.4020	0.4020	1.0400e-003	0.0000	0.4279
Total	103.5357	1.8500e-003	0.2054	2.0000e-005		7.3000e-004	7.3000e-004		7.3000e-004	7.3000e-004	0.0000	0.4020	0.4020	1.0400e-003	0.0000	0.4279

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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	15.6431					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	87.8738					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0188	1.8500e-003	0.2054	2.0000e-005		7.3000e-004	7.3000e-004		7.3000e-004	7.3000e-004	0.0000	0.4020	0.4020	1.0400e-003	0.0000	0.4279
Total	103.5357	1.8500e-003	0.2054	2.0000e-005		7.3000e-004	7.3000e-004		7.3000e-004	7.3000e-004	0.0000	0.4020	0.4020	1.0400e-003	0.0000	0.4279

7.0 Water Detail

7.1 Mitigation Measures Water

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	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	11,834.93 77	165.0758	3.9666	17,143.88 86
Unmitigated	11,834.93 77	165.0758	3.9666	17,143.88 86

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Light Industry	3116.79 / 0	7,032.160 3	101.7824	2.4440	10,305.02 17
Government Office Building	147.008 / 90.1018	444.6870	4.8049	0.1161	599.4161
Office Park	413.586 / 253.488	1,251.063 1	13.5178	0.3267	1,686.371 3
Refrigerated Warehouse-No Rail	1377.09 / 0	3,107.027 3	44.9706	1.0798	4,553.079 4
Total		11,834.93 77	165.0758	3.9666	17,143.88 86

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7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Light Industry	3116.79 / 0	7,032.1603	101.7824	2.4440	10,305.0217
Government Office Building	147.008 / 90.1018	444.6870	4.8049	0.1161	599.4161
Office Park	413.586 / 253.488	1,251.0631	13.5178	0.3267	1,686.3713
Refrigerated Warehouse-No Rail	1377.09 / 0	3,107.0273	44.9706	1.0798	4,553.0794
Total		11,834.9377	165.0758	3.9666	17,143.8886

8.0 Waste Detail

8.1 Mitigation Measures Waste

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Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	5,107.8068	301.8627	0.0000	12,654.3751
Unmitigated	5,107.8068	301.8627	0.0000	12,654.3751

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Light Industry	16712.7	3,392.5311	200.4929	0.0000	8,404.8523
Government Office Building	688.2	139.6984	8.2559	0.0000	346.0968
Office Park	2164.11	439.2948	25.9616	0.0000	1,088.3342
Refrigerated Warehouse-No Rail	5597.7	1,136.2825	67.1524	0.0000	2,815.0918
Total		5,107.8068	301.8627	0.0000	12,654.3751

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8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Light Industry	16712.7	3,392.531 1	200.4929	0.0000	8,404.852 3
Government Office Building	688.2	139.6984	8.2559	0.0000	346.0968
Office Park	2164.11	439.2948	25.9616	0.0000	1,088.334 2
Refrigerated Warehouse-No Rail	5597.7	1,136.282 5	67.1524	0.0000	2,815.091 8
Total		5,107.806 8	301.8627	0.0000	12,654.37 51

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

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

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

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Equipment Type	Number
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11.0 Vegetation
