Walnut Specific Plan

South Coast Air Basin, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	7.00	Acre	7.40	304,920.00	0
City Park	2.40	Acre	2.40	104,544.00	0
Condo/Townhouse	278.00	Dwelling Unit	20.60	278,000.00	795
Single Family Housing	12.00	Dwelling Unit	2.60	21,600.00	34
Strip Mall	30.00	1000sqft	3.00	30,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	31
Climate Zone	9			**Operational Year**	2025
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	452.2	**CH4 Intensity (lb/MWhr)**	0	**N2O Intensity (lb/MWhr)**	0

1.3 User Entered Comments & Non-Default Data

Project Characteristics - SCE 2017 report

Land Use - Lot acreage changed per project descrip/Specific Plan details

Construction Phase - Arch. coating changed to overlap with bldg. construc. and end on build-out date. Site prep to begin Dec. 2019. per project descrip. Schedule provided by Construc. Mgr. Grading II is sewer install.

Off-road Equipment - Sewer install. equip listed provided by Shea Homes

Off-road Equipment -

Trips and VMT - Assuming tandem truck combined capacity of 28 CY per truck, 14 cy per bed, haul to and from.

Grading - Grading amt per project descrip. in Initial Study, 250 cy for sewer install.

Architectural Coating - Per SCAQMD Rule 113 for non-flat coatings (50g/L)

Vehicle Trips - Parks within project site would be private and open space/landscaping would not generate trips. Wkdy trip gen provided by Ganddini Group.

Woodstoves - Per details, 217 gas burning fireplaces (213 single family units and 4 community). If up to 290 total, 73 no fireplace in townhomes. Per SCAQMD Rule 445 prohibiting wood-burning hearths in new residential development

Area Coating - Per SCAQMD Rule 1113 for nonflat coatings (50g/L)

Energy Use -

Water And Wastewater -

Solid Waste -

Construction Off-road Equipment Mitigation - Per SCAQMD Rule 403 requiring twice daily watering for fugitive dust mitigation

Mobile Land Use Mitigation - 12.5 units/resid. acre; 23.7 jobs/job-acre; destin. access. 0.06; transit access. 0.25; pedest. network: project site and connecting

Mobile Commute Mitigation -

Area Mitigation - Per SCAQMD Rule 1113 for nonflat coatings (50g/L)

Energy Mitigation - conservative 50% on-site generation per solar installation; 45% above Title 24 2016 to meet Title 24 2019 commerc. and resid.

Water Mitigation - Assumed 50% of outdoor water use would be reclaimed, indoor water use would use water efficient fittings, and water irrigation

Waste Mitigation - Recycling & Composting

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tblArchitecturalCoating	EF_Parking	100.00	50.00

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tblAreaCoating	Area_EF_Nonresidential_Exterior	100	50
tblAreaCoating	Area_EF_Nonresidential_Interior	100	50
tblAreaCoating	Area_EF_Parking	100	50
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstructionPhase	NumDays	30.00	46.00
tblConstructionPhase	NumDays	75.00	129.00
tblConstructionPhase	NumDays	75.00	10.00
tblConstructionPhase	NumDays	740.00	978.00
tblConstructionPhase	NumDays	55.00	489.00
tblConstructionPhase	NumDays	55.00	66.00
tblFireplaces	NumberGas	236.30	4.00
tblFireplaces	NumberGas	10.20	213.00
tblFireplaces	NumberNoFireplace	27.80	73.00
tblFireplaces	NumberNoFireplace	1.20	0.00
tblFireplaces	NumberWood	13.90	0.00
tblFireplaces	NumberWood	0.60	0.00
tblGrading	AcresOfGrading	322.50	187.50
tblGrading	MaterialExported	0.00	85,250.00
tblLandUse	LotAcreage	7.00	7.40
tblLandUse	LotAcreage	17.38	20.60
tblLandUse	LotAcreage	3.90	2.60
tblLandUse	LotAcreage	0.69	3.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0
tblProjectCharacteristics	CO2IntensityFactor	702.44	452.2
tblProjectCharacteristics	N2OIntensityFactor	0.006	0
tblTripsAndVMT	HaulingTripNumber	10,656.00	6,089.00
tblTripsAndVMT	WorkerTripNumber	25.00	10.00

tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	5.81	7.32
tblVehicleTrips	WD_TR	9.52	9.44
tblVehicleTrips	WD_TR	44.32	88.37
tblWoodstoves	NumberCatalytic	13.90	0.00
tblWoodstoves	NumberCatalytic	0.60	0.00
tblWoodstoves	NumberNoncatalytic	13.90	0.00
tblWoodstoves	NumberNoncatalytic	0.60	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2019	0.0265	0.2739	0.1369	2.4000e-004	0.1096	0.0144	0.1239	0.0599	0.0132	0.0731	0.0000	21.6031	21.6031	6.5200e-003	0.0000	21.7661
2020	0.6213	6.6870	4.5480	0.0123	1.1553	0.2522	1.4075	0.4959	0.2333	0.7292	0.0000	1,117.1203	1,117.1203	0.2017	0.0000	1,122.1626
2021	0.4961	3.7377	4.2515	0.0122	0.6374	0.1319	0.7693	0.1712	0.1240	0.2952	0.0000	1,110.5494	1,110.5494	0.1069	0.0000	1,113.2228
2022	0.7623	3.5120	4.3374	0.0127	0.6903	0.1173	0.8075	0.1853	0.1106	0.2959	0.0000	1,149.5869	1,149.5869	0.1063	0.0000	1,152.2451
2023	1.0240	3.1184	4.4150	0.0130	0.7448	0.1060	0.8507	0.1997	0.1002	0.2999	0.0000	1,181.3335	1,181.3335	0.1041	0.0000	1,183.9364
2024	0.4283	1.4764	2.1870	5.7900e-003	0.3051	0.0528	0.3578	0.0815	0.0496	0.1311	0.0000	522.9312	522.9312	0.0606	0.0000	524.4467
Maximum	**1.0240**	**6.6870**	**4.5480**	**0.0130**	**1.1553**	**0.2522**	**1.4075**	**0.4959**	**0.2333**	**0.7292**	**0.0000**	**1,181.3335**	**1,181.3335**	**0.2017**	**0.0000**	**1,183.9364**

2.1 Overall Construction

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2019	0.0265	0.2739	0.1369	2.4000e-004	0.0500	0.0144	0.0643	0.0271	0.0132	0.0403	0.0000	21.6031	21.6031	6.5200e-003	0.0000	21.7661
2020	0.6213	6.6870	4.5480	0.0123	0.6916	0.2522	0.9437	0.2694	0.2333	0.5027	0.0000	1,117.1197	1,117.1197	0.2017	0.0000	1,122.1619
2021	0.4961	3.7377	4.2515	0.0122	0.6374	0.1319	0.7693	0.1712	0.1240	0.2952	0.0000	1,110.5491	1,110.5491	0.1069	0.0000	1,113.2225
2022	0.7623	3.5120	4.3374	0.0127	0.6903	0.1173	0.8075	0.1853	0.1106	0.2959	0.0000	1,149.5865	1,149.5865	0.1063	0.0000	1,152.2447
2023	1.0240	3.1184	4.4150	0.0130	0.7448	0.1060	0.8507	0.1997	0.1002	0.2999	0.0000	1,181.3331	1,181.3331	0.1041	0.0000	1,183.9360
2024	0.4283	1.4764	2.1870	5.7900e-003	0.3051	0.0528	0.3578	0.0815	0.0496	0.1311	0.0000	522.9310	522.9310	0.0606	0.0000	524.4464
Maximum	**1.0240**	**6.6870**	**4.5480**	**0.0130**	**0.7448**	**0.2522**	**0.9437**	**0.2694**	**0.2333**	**0.5027**	**0.0000**	**1,181.3331**	**1,181.3331**	**0.2017**	**0.0000**	**1,183.9360**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**14.37**	**0.00**	**12.12**	**21.72**	**0.00**	**14.21**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
5	**12-1-2019**	**2-29-2020**	1.9309	1.9309
6	**3-1-2020**	**5-31-2020**	4.3369	4.3369
7	**6-1-2020**	**8-31-2020**	3.7124	3.7124
8	**9-1-2020**	**11-30-2020**	1.1570	1.1570
9	**12-1-2020**	**2-28-2021**	1.0783	1.0783

10	**3-1-2021**	**5-31-2021**	1.0594	1.0594
11	**6-1-2021**	**8-31-2021**	1.0566	1.0566
12	**9-1-2021**	**11-30-2021**	1.0507	1.0507
13	**12-1-2021**	**2-28-2022**	0.9840	0.9840
14	**3-1-2022**	**5-31-2022**	0.9696	0.9696
15	**6-1-2022**	**8-31-2022**	1.1067	1.1067
16	**9-1-2022**	**11-30-2022**	1.1678	1.1678
17	**12-1-2022**	**2-28-2023**	1.0715	1.0715
18	**3-1-2023**	**5-31-2023**	1.0433	1.0433
19	**6-1-2023**	**8-31-2023**	1.0404	1.0404
20	**9-1-2023**	**11-30-2023**	1.0347	1.0347
21	**12-1-2023**	**2-29-2024**	1.0084	1.0084
22	**3-1-2024**	**5-31-2024**	0.8966	0.8966
23	**6-1-2024**	**8-31-2024**	0.3367	0.3367
		Highest	4.3369	4.3369

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	1.4095	0.0794	3.0075	4.5000e-004		0.0202	0.0202		0.0202	0.0202	0.0000	56.9960	56.9960	5.6800e-003	9.6000e-004	57.4226
Energy	0.0278	0.2376	0.1021	1.5200e-003		0.0192	0.0192		0.0192	0.0192	0.0000	665.6975	665.6975	5.2700e-003	5.0400e-003	667.3319
Mobile	0.8925	4.3333	11.0314	0.0452	4.1354	0.0333	4.1687	1.1078	0.0309	1.1387	0.0000	4,184.5391	4,184.5391	0.1868	0.0000	4,189.2096
Waste						0.0000	0.0000		0.0000	0.0000	35.2250	0.0000	35.2250	2.0817	0.0000	87.2685
Water						0.0000	0.0000		0.0000	0.0000	6.6994	93.1639	99.8633	0.6881	0.0163	121.9073
Total	**2.3298**	**4.6503**	**14.1410**	**0.0471**	**4.1354**	**0.0727**	**4.2081**	**1.1078**	**0.0703**	**1.1781**	**41.9244**	**5,000.3965**	**5,042.3209**	**2.9676**	**0.0223**	**5,123.1399**

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	1.4095	0.0794	3.0075	4.5000e-004		0.0202	0.0202		0.0202	0.0202	0.0000	56.9960	56.9960	5.6800e-003	9.6000e-004	57.4226
Energy	0.0198	0.1694	0.0728	1.0800e-003		0.0137	0.0137		0.0137	0.0137	0.0000	382.4857	382.4857	3.7600e-003	3.5900e-003	383.6510
Mobile	0.7127	3.3306	6.4788	0.0234	1.9874	0.0181	2.0055	0.5324	0.0168	0.5492	0.0000	2,169.1240	2,169.1240	0.1098	0.0000	2,171.8700
Waste						0.0000	0.0000		0.0000	0.0000	35.2250	0.0000	35.2250	2.0817	0.0000	87.2685
Water						0.0000	0.0000		0.0000	0.0000	5.3595	65.6429	71.0025	0.5505	0.0130	88.6377
Total	**2.1421**	**3.5794**	**9.5591**	**0.0249**	**1.9874**	**0.0520**	**2.0394**	**0.5324**	**0.0507**	**0.5831**	**40.5845**	**2,674.2487**	**2,714.8332**	**2.7515**	**0.0176**	**2,788.8497**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**8.06**	**23.03**	**32.40**	**47.19**	**51.94**	**28.45**	**51.54**	**51.94**	**27.89**	**50.51**	**3.20**	**46.52**	**46.16**	**7.28**	**21.12**	**45.56**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	12/15/2019	2/17/2020	5	46	
2	Grading	Grading	2/18/2020	8/14/2020	5	129	
3	Grading II	Grading	2/18/2020	3/2/2020	5	10	
4	Building Construction	Building Construction	8/15/2020	5/15/2024	5	978	
5	Architectural Coating	Architectural Coating	7/1/2022	5/15/2024	5	489	
6	Paving	Paving	5/16/2024	8/15/2024	5	66	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 187.5

Acres of Paving: 7.4

Residential Indoor: 606,690; Residential Outdoor: 202,230; Non-Residential Indoor: 45,000; Non-Residential Outdoor: 15,000; Striped Parking Area: 18,295 (Architectural Coating – sqft)

OffRoad Equipment

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Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Air Compressors	1	6.00	78	0.48
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
Grading II	Dumpers/Tenders	1	8.00	16	0.38
Grading II	Off-Highway Trucks	1	8.00	402	0.38
Grading II	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Grading II	Excavators	2	8.00	158	0.38
Grading II	Graders	1	8.00	187	0.41
Grading II	Rubber Tired Dozers	1	8.00	247	0.40
Grading II	Scrapers	2	8.00	367	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	6,089.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	386.00	103.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	77.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading II	10	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Site Preparation - 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					0.1084	0.0000	0.1084	0.0596	0.0000	0.0596	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0260	0.2734	0.1324	2.3000e-004		0.0143	0.0143		0.0132	0.0132	0.0000	20.5012	20.5012	6.4900e-003	0.0000	20.6634
Total	**0.0260**	**0.2734**	**0.1324**	**2.3000e-004**	**0.1084**	**0.0143**	**0.1227**	**0.0596**	**0.0132**	**0.0728**	**0.0000**	**20.5012**	**20.5012**	**6.4900e-003**	**0.0000**	**20.6634**

3.2 Site Preparation - 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	5.2000e-004	4.1000e-004	4.5100e-003	1.0000e-005	1.1800e-003	1.0000e-005	1.1900e-003	3.1000e-004	1.0000e-005	3.2000e-004	0.0000	1.1019	1.1019	3.0000e-005	0.0000	1.1027
Total	**5.2000e-004**	**4.1000e-004**	**4.5100e-003**	**1.0000e-005**	**1.1800e-003**	**1.0000e-005**	**1.1900e-003**	**3.1000e-004**	**1.0000e-005**	**3.2000e-004**	**0.0000**	**1.1019**	**1.1019**	**3.0000e-005**	**0.0000**	**1.1027**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.0488	0.0000	0.0488	0.0268	0.0000	0.0268	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0260	0.2734	0.1324	2.3000e-004		0.0143	0.0143		0.0132	0.0132	0.0000	20.5012	20.5012	6.4900e-003	0.0000	20.6634
Total	**0.0260**	**0.2734**	**0.1324**	**2.3000e-004**	**0.0488**	**0.0143**	**0.0631**	**0.0268**	**0.0132**	**0.0400**	**0.0000**	**20.5012**	**20.5012**	**6.4900e-003**	**0.0000**	**20.6634**

3.2 Site Preparation - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.2000e-004	4.1000e-004	4.5100e-003	1.0000e-005	1.1800e-003	1.0000e-005	1.1900e-003	3.1000e-004	1.0000e-005	3.2000e-004	0.0000	1.1019	1.1019	3.0000e-005	0.0000	1.1027
Total	**5.2000e-004**	**4.1000e-004**	**4.5100e-003**	**1.0000e-005**	**1.1800e-003**	**1.0000e-005**	**1.1900e-003**	**3.1000e-004**	**1.0000e-005**	**3.2000e-004**	**0.0000**	**1.1019**	**1.1019**	**3.0000e-005**	**0.0000**	**1.1027**

3.2 Site Preparation - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.3071	0.0000	0.3071	0.1688	0.0000	0.1688	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0693	0.7211	0.3657	6.5000e-004		0.0374	0.0374		0.0344	0.0344	0.0000	56.8322	56.8322	0.0184	0.0000	57.2917
Total	**0.0693**	**0.7211**	**0.3657**	**6.5000e-004**	**0.3071**	**0.0374**	**0.3445**	**0.1688**	**0.0344**	**0.2032**	**0.0000**	**56.8322**	**56.8322**	**0.0184**	**0.0000**	**57.2917**

3.2 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	1.3600e-003	1.0500e-003	0.0116	3.0000e-005	3.3600e-003	3.0000e-005	3.3800e-003	8.9000e-004	2.0000e-005	9.2000e-004	0.0000	3.0252	3.0252	9.0000e-005	0.0000	3.0274
Total	**1.3600e-003**	**1.0500e-003**	**0.0116**	**3.0000e-005**	**3.3600e-003**	**3.0000e-005**	**3.3800e-003**	**8.9000e-004**	**2.0000e-005**	**9.2000e-004**	**0.0000**	**3.0252**	**3.0252**	**9.0000e-005**	**0.0000**	**3.0274**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.1382	0.0000	0.1382	0.0760	0.0000	0.0760	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0693	0.7211	0.3657	6.5000e-004		0.0374	0.0374		0.0344	0.0344	0.0000	56.8321	56.8321	0.0184	0.0000	57.2916
Total	**0.0693**	**0.7211**	**0.3657**	**6.5000e-004**	**0.1382**	**0.0374**	**0.1756**	**0.0760**	**0.0344**	**0.1103**	**0.0000**	**56.8321**	**56.8321**	**0.0184**	**0.0000**	**57.2916**

3.2 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	1.3600e-003	1.0500e-003	0.0116	3.0000e-005	3.3600e-003	3.0000e-005	3.3800e-003	8.9000e-004	2.0000e-005	9.2000e-004	0.0000	3.0252	3.0252	9.0000e-005	0.0000	3.0274
Total	**1.3600e-003**	**1.0500e-003**	**0.0116**	**3.0000e-005**	**3.3600e-003**	**3.0000e-005**	**3.3800e-003**	**8.9000e-004**	**2.0000e-005**	**9.2000e-004**	**0.0000**	**3.0252**	**3.0252**	**9.0000e-005**	**0.0000**	**3.0274**

3.3 Grading - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.4927	0.0000	0.4927	0.2250	0.0000	0.2250	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.2870	3.2377	2.0613	4.0000e-003		0.1402	0.1402		0.1290	0.1290	0.0000	351.4237	351.4237	0.1137	0.0000	354.2651
Total	**0.2870**	**3.2377**	**2.0613**	**4.0000e-003**	**0.4927**	**0.1402**	**0.6329**	**0.2250**	**0.1290**	**0.3540**	**0.0000**	**351.4237**	**351.4237**	**0.1137**	**0.0000**	**354.2651**

3.3 Grading - 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	0.0245	0.8757	0.1817	2.3500e-003	0.0523	2.7600e-003	0.0551	0.0144	2.6400e-003	0.0170	0.0000	230.9955	230.9955	0.0167	0.0000	231.4139
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.7400e-003	4.4200e-003	0.0489	1.4000e-004	0.0142	1.1000e-004	0.0143	3.7600e-003	1.0000e-004	3.8600e-003	0.0000	12.7533	12.7533	3.7000e-004	0.0000	12.7625
Total	**0.0302**	**0.8801**	**0.2306**	**2.4900e-003**	**0.0665**	**2.8700e-003**	**0.0693**	**0.0181**	**2.7400e-003**	**0.0209**	**0.0000**	**243.7488**	**243.7488**	**0.0171**	**0.0000**	**244.1764**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.2217	0.0000	0.2217	0.1012	0.0000	0.1012	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.2870	3.2377	2.0613	4.0000e-003		0.1402	0.1402		0.1290	0.1290	0.0000	351.4233	351.4233	0.1137	0.0000	354.2647
Total	**0.2870**	**3.2377**	**2.0613**	**4.0000e-003**	**0.2217**	**0.1402**	**0.3619**	**0.1012**	**0.1290**	**0.2302**	**0.0000**	**351.4233**	**351.4233**	**0.1137**	**0.0000**	**354.2647**

3.3 Grading - 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	0.0245	0.8757	0.1817	2.3500e-003	0.0523	2.7600e-003	0.0551	0.0144	2.6400e-003	0.0170	0.0000	230.9955	230.9955	0.0167	0.0000	231.4139
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.7400e-003	4.4200e-003	0.0489	1.4000e-004	0.0142	1.1000e-004	0.0143	3.7600e-003	1.0000e-004	3.8600e-003	0.0000	12.7533	12.7533	3.7000e-004	0.0000	12.7625
Total	**0.0302**	**0.8801**	**0.2306**	**2.4900e-003**	**0.0665**	**2.8700e-003**	**0.0693**	**0.0181**	**2.7400e-003**	**0.0209**	**0.0000**	**243.7488**	**243.7488**	**0.0171**	**0.0000**	**244.1764**

3.4 Grading II - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0434	0.0000	0.0434	0.0180	0.0000	0.0180	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0259	0.2849	0.1801	3.8000e-004		0.0121	0.0121		0.0112	0.0112	0.0000	33.3183	33.3183	0.0107	0.0000	33.5862
Total	**0.0259**	**0.2849**	**0.1801**	**3.8000e-004**	**0.0434**	**0.0121**	**0.0555**	**0.0180**	**0.0112**	**0.0291**	**0.0000**	**33.3183**	**33.3183**	**0.0107**	**0.0000**	**33.5862**

3.4 Grading II - 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	2.2000e-004	1.7000e-004	1.9000e-003	1.0000e-005	5.5000e-004	0.0000	5.5000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.4943	0.4943	1.0000e-005	0.0000	0.4947
Total	**2.2000e-004**	**1.7000e-004**	**1.9000e-003**	**1.0000e-005**	**5.5000e-004**	**0.0000**	**5.5000e-004**	**1.5000e-004**	**0.0000**	**1.5000e-004**	**0.0000**	**0.4943**	**0.4943**	**1.0000e-005**	**0.0000**	**0.4947**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.0195	0.0000	0.0195	8.0900e-003	0.0000	8.0900e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0259	0.2849	0.1801	3.8000e-004		0.0121	0.0121		0.0112	0.0112	0.0000	33.3183	33.3183	0.0107	0.0000	33.5862
Total	**0.0259**	**0.2849**	**0.1801**	**3.8000e-004**	**0.0195**	**0.0121**	**0.0316**	**8.0900e-003**	**0.0112**	**0.0192**	**0.0000**	**33.3183**	**33.3183**	**0.0107**	**0.0000**	**33.5862**

3.4 Grading II - 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	2.2000e-004	1.7000e-004	1.9000e-003	1.0000e-005	5.5000e-004	0.0000	5.5000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.4943	0.4943	1.0000e-005	0.0000	0.4947
Total	**2.2000e-004**	**1.7000e-004**	**1.9000e-003**	**1.0000e-005**	**5.5000e-004**	**0.0000**	**5.5000e-004**	**1.5000e-004**	**0.0000**	**1.5000e-004**	**0.0000**	**0.4943**	**0.4943**	**1.0000e-005**	**0.0000**	**0.4947**

3.5 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	0.1049	0.9497	0.8340	1.3300e-003		0.0553	0.0553		0.0520	0.0520	0.0000	114.6469	114.6469	0.0280	0.0000	115.3462
Total	**0.1049**	**0.9497**	**0.8340**	**1.3300e-003**		**0.0553**	**0.0553**		**0.0520**	**0.0520**	**0.0000**	**114.6469**	**114.6469**	**0.0280**	**0.0000**	**115.3462**

3.5 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	0.0173	0.5467	0.1379	1.2900e-003	0.0321	2.6800e-003	0.0348	9.2700e-003	2.5600e-003	0.0118	0.0000	124.7335	124.7335	8.3200e-003	0.0000	124.9416
Worker	0.0851	0.0655	0.7249	2.0900e-003	0.2096	1.6300e-003	0.2113	0.0557	1.5000e-003	0.0572	0.0000	188.8974	188.8974	5.4400e-003	0.0000	189.0334
Total	**0.1023**	**0.6122**	**0.8627**	**3.3800e-003**	**0.2418**	**4.3100e-003**	**0.2461**	**0.0649**	**4.0600e-003**	**0.0690**	**0.0000**	**313.6309**	**313.6309**	**0.0138**	**0.0000**	**313.9750**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1049	0.9497	0.8340	1.3300e-003		0.0553	0.0553		0.0520	0.0520	0.0000	114.6468	114.6468	0.0280	0.0000	115.3461
Total	**0.1049**	**0.9497**	**0.8340**	**1.3300e-003**		**0.0553**	**0.0553**		**0.0520**	**0.0520**	**0.0000**	**114.6468**	**114.6468**	**0.0280**	**0.0000**	**115.3461**

3.5 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	0.0173	0.5467	0.1379	1.2900e-003	0.0321	2.6800e-003	0.0348	9.2700e-003	2.5600e-003	0.0118	0.0000	124.7335	124.7335	8.3200e-003	0.0000	124.9416
Worker	0.0851	0.0655	0.7249	2.0900e-003	0.2096	1.6300e-003	0.2113	0.0557	1.5000e-003	0.0572	0.0000	188.8974	188.8974	5.4400e-003	0.0000	189.0334
Total	**0.1023**	**0.6122**	**0.8627**	**3.3800e-003**	**0.2418**	**4.3100e-003**	**0.2461**	**0.0649**	**4.0600e-003**	**0.0690**	**0.0000**	**313.6309**	**313.6309**	**0.0138**	**0.0000**	**313.9750**

3.5 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2481	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**

3.5 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	0.0386	1.3075	0.3304	3.3600e-003	0.0847	2.6600e-003	0.0874	0.0244	2.5500e-003	0.0270	0.0000	326.3685	326.3685	0.0210	0.0000	326.8944
Worker	0.2094	0.1554	1.7580	5.3300e-003	0.5527	4.1700e-003	0.5568	0.1468	3.8400e-003	0.1506	0.0000	481.8943	481.8943	0.0130	0.0000	482.2185
Total	**0.2480**	**1.4628**	**2.0884**	**8.6900e-003**	**0.6374**	**6.8300e-003**	**0.6442**	**0.1712**	**6.3900e-003**	**0.1776**	**0.0000**	**808.2628**	**808.2628**	**0.0340**	**0.0000**	**809.1130**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	302.2863	302.2863	0.0729	0.0000	304.1095
Total	**0.2481**	**2.2749**	**2.1631**	**3.5100e-003**		**0.1251**	**0.1251**		**0.1176**	**0.1176**	**0.0000**	**302.2863**	**302.2863**	**0.0729**	**0.0000**	**304.1095**

3.5 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	0.0386	1.3075	0.3304	3.3600e-003	0.0847	2.6600e-003	0.0874	0.0244	2.5500e-003	0.0270	0.0000	326.3685	326.3685	0.0210	0.0000	326.8944
Worker	0.2094	0.1554	1.7580	5.3300e-003	0.5527	4.1700e-003	0.5568	0.1468	3.8400e-003	0.1506	0.0000	481.8943	481.8943	0.0130	0.0000	482.2185
Total	**0.2480**	**1.4628**	**2.0884**	**8.6900e-003**	**0.6374**	**6.8300e-003**	**0.6442**	**0.1712**	**6.3900e-003**	**0.1776**	**0.0000**	**808.2628**	**808.2628**	**0.0340**	**0.0000**	**809.1130**

3.5 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2218	2.0300	2.1272	3.5000e-003		0.1052	0.1052		0.0990	0.0990	0.0000	301.2428	301.2428	0.0722	0.0000	303.0471
Total	**0.2218**	**2.0300**	**2.1272**	**3.5000e-003**		**0.1052**	**0.1052**		**0.0990**	**0.0990**	**0.0000**	**301.2428**	**301.2428**	**0.0722**	**0.0000**	**303.0471**

3.5 Building Construction - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0361	1.2358	0.3117	3.3200e-003	0.0844	2.3100e-003	0.0867	0.0244	2.2100e-003	0.0266	0.0000	322.2460	322.2460	0.0202	0.0000	322.7517
Worker	0.1959	0.1398	1.6172	5.1200e-003	0.5505	4.0300e-003	0.5546	0.1462	3.7100e-003	0.1499	0.0000	462.8537	462.8537	0.0117	0.0000	463.1454
Total	**0.2320**	**1.3757**	**1.9288**	**8.4400e-003**	**0.6349**	**6.3400e-003**	**0.6413**	**0.1706**	**5.9200e-003**	**0.1765**	**0.0000**	**785.0997**	**785.0997**	**0.0319**	**0.0000**	**785.8971**

Mitigated Construction On-Site

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

3.5 Building Construction - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0361	1.2358	0.3117	3.3200e-003	0.0844	2.3100e-003	0.0867	0.0244	2.2100e-003	0.0266	0.0000	322.2460	322.2460	0.0202	0.0000	322.7517
Worker	0.1959	0.1398	1.6172	5.1200e-003	0.5505	4.0300e-003	0.5546	0.1462	3.7100e-003	0.1499	0.0000	462.8537	462.8537	0.0117	0.0000	463.1454
Total	**0.2320**	**1.3757**	**1.9288**	**8.4400e-003**	**0.6349**	**6.3400e-003**	**0.6413**	**0.1706**	**5.9200e-003**	**0.1765**	**0.0000**	**785.0997**	**785.0997**	**0.0319**	**0.0000**	**785.8971**

3.5 Building Construction - 2023

Unmitigated Construction On-Site

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

3.5 Building Construction - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0268	0.9272	0.2793	3.2100e-003	0.0844	1.0700e-003	0.0855	0.0244	1.0300e-003	0.0254	0.0000	312.2972	312.2972	0.0178	0.0000	312.7430
Worker	0.1844	0.1265	1.4911	4.9300e-003	0.5505	3.9300e-003	0.5545	0.1462	3.6200e-003	0.1498	0.0000	445.6073	445.6073	0.0105	0.0000	445.8702
Total	**0.2112**	**1.0537**	**1.7704**	**8.1400e-003**	**0.6349**	**5.0000e-003**	**0.6399**	**0.1706**	**4.6500e-003**	**0.1752**	**0.0000**	**757.9044**	**757.9044**	**0.0284**	**0.0000**	**758.6131**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2045	1.8700	2.1117	3.5000e-003		0.0910	0.0910		0.0856	0.0856	0.0000	301.3458	301.3458	0.0717	0.0000	303.1380
Total	**0.2045**	**1.8700**	**2.1117**	**3.5000e-003**		**0.0910**	**0.0910**		**0.0856**	**0.0856**	**0.0000**	**301.3458**	**301.3458**	**0.0717**	**0.0000**	**303.1380**

3.5 Building Construction - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0268	0.9272	0.2793	3.2100e-003	0.0844	1.0700e-003	0.0855	0.0244	1.0300e-003	0.0254	0.0000	312.2972	312.2972	0.0178	0.0000	312.7430
Worker	0.1844	0.1265	1.4911	4.9300e-003	0.5505	3.9300e-003	0.5545	0.1462	3.6200e-003	0.1498	0.0000	445.6073	445.6073	0.0105	0.0000	445.8702
Total	**0.2112**	**1.0537**	**1.7704**	**8.1400e-003**	**0.6349**	**5.0000e-003**	**0.6399**	**0.1706**	**4.6500e-003**	**0.1752**	**0.0000**	**757.9044**	**757.9044**	**0.0284**	**0.0000**	**758.6131**

3.5 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0721	0.6587	0.7922	1.3200e-003		0.0301	0.0301		0.0283	0.0283	0.0000	113.6061	113.6061	0.0269	0.0000	114.2777
Total	**0.0721**	**0.6587**	**0.7922**	**1.3200e-003**		**0.0301**	**0.0301**		**0.0283**	**0.0283**	**0.0000**	**113.6061**	**113.6061**	**0.0269**	**0.0000**	**114.2777**

3.5 Building Construction - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.8800e-003	0.3486	0.1022	1.2000e-003	0.0318	4.0000e-004	0.0322	9.1800e-003	3.8000e-004	9.5600e-003	0.0000	117.2900	117.2900	6.6200e-003	0.0000	117.4555
Worker	0.0659	0.0434	0.5240	1.8000e-003	0.2075	1.4600e-003	0.2090	0.0551	1.3400e-003	0.0565	0.0000	162.4116	162.4116	3.6300e-003	0.0000	162.5023
Total	**0.0757**	**0.3920**	**0.6263**	**3.0000e-003**	**0.2393**	**1.8600e-003**	**0.2412**	**0.0643**	**1.7200e-003**	**0.0660**	**0.0000**	**279.7016**	**279.7016**	**0.0103**	**0.0000**	**279.9578**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0721	0.6587	0.7922	1.3200e-003		0.0301	0.0301		0.0283	0.0283	0.0000	113.6059	113.6059	0.0269	0.0000	114.2775
Total	**0.0721**	**0.6587**	**0.7922**	**1.3200e-003**		**0.0301**	**0.0301**		**0.0283**	**0.0283**	**0.0000**	**113.6059**	**113.6059**	**0.0269**	**0.0000**	**114.2775**

3.5 Building Construction - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.8800e-003	0.3486	0.1022	1.2000e-003	0.0318	4.0000e-004	0.0322	9.1800e-003	3.8000e-004	9.5600e-003	0.0000	117.2900	117.2900	6.6200e-003	0.0000	117.4555
Worker	0.0659	0.0434	0.5240	1.8000e-003	0.2075	1.4600e-003	0.2090	0.0551	1.3400e-003	0.0565	0.0000	162.4116	162.4116	3.6300e-003	0.0000	162.5023
Total	**0.0757**	**0.3920**	**0.6263**	**3.0000e-003**	**0.2393**	**1.8600e-003**	**0.2412**	**0.0643**	**1.7200e-003**	**0.0660**	**0.0000**	**279.7016**	**279.7016**	**0.0103**	**0.0000**	**279.9578**

3.6 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.2754					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0134	0.0923	0.1188	1.9000e-004		5.3500e-003	5.3500e-003		5.3500e-003	5.3500e-003	0.0000	16.7238	16.7238	1.0900e-003	0.0000	16.7510
Total	**0.2888**	**0.0923**	**0.1188**	**1.9000e-004**		**5.3500e-003**	**5.3500e-003**		**5.3500e-003**	**5.3500e-003**	**0.0000**	**16.7238**	**16.7238**	**1.0900e-003**	**0.0000**	**16.7510**

3.6 Architectural Coating - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0197	0.0141	0.1625	5.1000e-004	0.0553	4.1000e-004	0.0557	0.0147	3.7000e-004	0.0151	0.0000	46.5206	46.5206	1.1700e-003	0.0000	46.5499
Total	**0.0197**	**0.0141**	**0.1625**	**5.1000e-004**	**0.0553**	**4.1000e-004**	**0.0557**	**0.0147**	**3.7000e-004**	**0.0151**	**0.0000**	**46.5206**	**46.5206**	**1.1700e-003**	**0.0000**	**46.5499**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.2754					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0134	0.0923	0.1188	1.9000e-004		5.3500e-003	5.3500e-003		5.3500e-003	5.3500e-003	0.0000	16.7238	16.7238	1.0900e-003	0.0000	16.7510
Total	**0.2888**	**0.0923**	**0.1188**	**1.9000e-004**		**5.3500e-003**	**5.3500e-003**		**5.3500e-003**	**5.3500e-003**	**0.0000**	**16.7238**	**16.7238**	**1.0900e-003**	**0.0000**	**16.7510**

3.6 Architectural Coating - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0197	0.0141	0.1625	5.1000e-004	0.0553	4.1000e-004	0.0557	0.0147	3.7000e-004	0.0151	0.0000	46.5206	46.5206	1.1700e-003	0.0000	46.5499
Total	**0.0197**	**0.0141**	**0.1625**	**5.1000e-004**	**0.0553**	**4.1000e-004**	**0.0557**	**0.0147**	**3.7000e-004**	**0.0151**	**0.0000**	**46.5206**	**46.5206**	**1.1700e-003**	**0.0000**	**46.5499**

3.6 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.5466					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0249	0.1694	0.2355	3.9000e-004		9.2100e-003	9.2100e-003		9.2100e-003	9.2100e-003	0.0000	33.1923	33.1923	1.9900e-003	0.0000	33.2419
Total	**0.5715**	**0.1694**	**0.2355**	**3.9000e-004**		**9.2100e-003**	**9.2100e-003**		**9.2100e-003**	**9.2100e-003**	**0.0000**	**33.1923**	**33.1923**	**1.9900e-003**	**0.0000**	**33.2419**

3.6 Architectural Coating - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0368	0.0252	0.2974	9.8000e-004	0.1098	7.8000e-004	0.1106	0.0292	7.2000e-004	0.0299	0.0000	88.8906	88.8906	2.1000e-003	0.0000	88.9430
Total	**0.0368**	**0.0252**	**0.2974**	**9.8000e-004**	**0.1098**	**7.8000e-004**	**0.1106**	**0.0292**	**7.2000e-004**	**0.0299**	**0.0000**	**88.8906**	**88.8906**	**2.1000e-003**	**0.0000**	**88.9430**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.5466					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0249	0.1694	0.2354	3.9000e-004		9.2100e-003	9.2100e-003		9.2100e-003	9.2100e-003	0.0000	33.1923	33.1923	1.9900e-003	0.0000	33.2419
Total	**0.5715**	**0.1694**	**0.2354**	**3.9000e-004**		**9.2100e-003**	**9.2100e-003**		**9.2100e-003**	**9.2100e-003**	**0.0000**	**33.1923**	**33.1923**	**1.9900e-003**	**0.0000**	**33.2419**

3.6 Architectural Coating - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0368	0.0252	0.2974	9.8000e-004	0.1098	7.8000e-004	0.1106	0.0292	7.2000e-004	0.0299	0.0000	88.8906	88.8906	2.1000e-003	0.0000	88.9430
Total	**0.0368**	**0.0252**	**0.2974**	**9.8000e-004**	**0.1098**	**7.8000e-004**	**0.1106**	**0.0292**	**7.2000e-004**	**0.0299**	**0.0000**	**88.8906**	**88.8906**	**2.1000e-003**	**0.0000**	**88.9430**

3.6 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.2060					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.8600e-003	0.0597	0.0887	1.5000e-004		2.9800e-003	2.9800e-003		2.9800e-003	2.9800e-003	0.0000	12.5109	12.5109	7.0000e-004	0.0000	12.5286
Total	**0.2149**	**0.0597**	**0.0887**	**1.5000e-004**		**2.9800e-003**	**2.9800e-003**		**2.9800e-003**	**2.9800e-003**	**0.0000**	**12.5109**	**12.5109**	**7.0000e-004**	**0.0000**	**12.5286**

3.6 Architectural Coating - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0131	8.6700e-003	0.1045	3.6000e-004	0.0414	2.9000e-004	0.0417	0.0110	2.7000e-004	0.0113	0.0000	32.3982	32.3982	7.2000e-004	0.0000	32.4163
Total	**0.0131**	**8.6700e-003**	**0.1045**	**3.6000e-004**	**0.0414**	**2.9000e-004**	**0.0417**	**0.0110**	**2.7000e-004**	**0.0113**	**0.0000**	**32.3982**	**32.3982**	**7.2000e-004**	**0.0000**	**32.4163**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.2060					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.8600e-003	0.0597	0.0887	1.5000e-004		2.9800e-003	2.9800e-003		2.9800e-003	2.9800e-003	0.0000	12.5109	12.5109	7.0000e-004	0.0000	12.5285
Total	**0.2149**	**0.0597**	**0.0887**	**1.5000e-004**		**2.9800e-003**	**2.9800e-003**		**2.9800e-003**	**2.9800e-003**	**0.0000**	**12.5109**	**12.5109**	**7.0000e-004**	**0.0000**	**12.5285**

3.6 Architectural Coating - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0131	8.6700e-003	0.1045	3.6000e-004	0.0414	2.9000e-004	0.0417	0.0110	2.7000e-004	0.0113	0.0000	32.3982	32.3982	7.2000e-004	0.0000	32.4163
Total	**0.0131**	**8.6700e-003**	**0.1045**	**3.6000e-004**	**0.0414**	**2.9000e-004**	**0.0417**	**0.0110**	**2.7000e-004**	**0.0113**	**0.0000**	**32.3982**	**32.3982**	**7.2000e-004**	**0.0000**	**32.4163**

3.7 Paving - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0386	0.3545	0.5424	8.5000e-004		0.0175	0.0175		0.0162	0.0162	0.0000	74.5133	74.5133	0.0219	0.0000	75.0595
Paving	9.6900e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0483**	**0.3545**	**0.5424**	**8.5000e-004**		**0.0175**	**0.0175**		**0.0162**	**0.0162**	**0.0000**	**74.5133**	**74.5133**	**0.0219**	**0.0000**	**75.0595**

3.7 Paving - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.1400e-003	2.7300e-003	0.0329	1.1000e-004	0.0243	9.0000e-005	0.0244	6.2300e-003	8.0000e-005	6.3200e-003	0.0000	10.2012	10.2012	2.3000e-004	0.0000	10.2069
Total	**4.1400e-003**	**2.7300e-003**	**0.0329**	**1.1000e-004**	**0.0243**	**9.0000e-005**	**0.0244**	**6.2300e-003**	**8.0000e-005**	**6.3200e-003**	**0.0000**	**10.2012**	**10.2012**	**2.3000e-004**	**0.0000**	**10.2069**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0386	0.3545	0.5424	8.5000e-004		0.0175	0.0175		0.0162	0.0162	0.0000	74.5132	74.5132	0.0219	0.0000	75.0594
Paving	9.6900e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0483**	**0.3545**	**0.5424**	**8.5000e-004**		**0.0175**	**0.0175**		**0.0162**	**0.0162**	**0.0000**	**74.5132**	**74.5132**	**0.0219**	**0.0000**	**75.0594**

3.7 Paving - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.1400e-003	2.7300e-003	0.0329	1.1000e-004	0.0243	9.0000e-005	0.0244	6.2300e-003	8.0000e-005	6.3200e-003	0.0000	10.2012	10.2012	2.3000e-004	0.0000	10.2069
Total	**4.1400e-003**	**2.7300e-003**	**0.0329**	**1.1000e-004**	**0.0243**	**9.0000e-005**	**0.0244**	**6.2300e-003**	**8.0000e-005**	**6.3200e-003**	**0.0000**	**10.2012**	**10.2012**	**2.3000e-004**	**0.0000**	**10.2069**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Increase Density

Increase Diversity

Improve Destination Accessibility

Increase Transit Accessibility

Improve Pedestrian Network

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.7127	3.3306	6.4788	0.0234	1.9874	0.0181	2.0055	0.5324	0.0168	0.5492	0.0000	2,169.1240	2,169.1240	0.1098	0.0000	2,171.8700
Unmitigated	0.8925	4.3333	11.0314	0.0452	4.1354	0.0333	4.1687	1.1078	0.0309	1.1387	0.0000	4,184.5391	4,184.5391	0.1868	0.0000	4,189.2096

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
Condo/Townhouse	2,034.96	1,576.26	1345.52	6,393,286	3,072,477
Other Asphalt Surfaces	0.00	0.00	0.00		
Single Family Housing	113.28	118.92	103.44	385,045	185,044
Strip Mall	2,651.10	1,261.20	612.90	4,112,215	1,976,243
Total	4,799.34	2,956.38	2,061.86	10,890,546	5,233,764

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
Condo/Townhouse	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Single Family Housing	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Strip Mall	16.60	8.40	6.90	16.60	64.40	19.00	45	40	15

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.553907	0.042339	0.204535	0.114490	0.014186	0.005810	0.021866	0.032691	0.002129	0.001663	0.004844	0.000713	0.000827
Condo/Townhouse	0.553907	0.042339	0.204535	0.114490	0.014186	0.005810	0.021866	0.032691	0.002129	0.001663	0.004844	0.000713	0.000827
Other Asphalt Surfaces	0.553907	0.042339	0.204535	0.114490	0.014186	0.005810	0.021866	0.032691	0.002129	0.001663	0.004844	0.000713	0.000827
Single Family Housing	0.553907	0.042339	0.204535	0.114490	0.014186	0.005810	0.021866	0.032691	0.002129	0.001663	0.004844	0.000713	0.000827
Strip Mall	0.553907	0.042339	0.204535	0.114490	0.014186	0.005810	0.021866	0.032691	0.002129	0.001663	0.004844	0.000713	0.000827

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

Percent of Electricity Use Generated with Renewable Energy

Walnut Specific Plan - South Coast Air Basin, 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	186.4049	186.4049	0.0000	0.0000	186.4049
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	390.6616	390.6616	0.0000	0.0000	390.6616
NaturalGas Mitigated	0.0198	0.1694	0.0728	1.0800e-003		0.0137	0.0137		0.0137	0.0137	0.0000	196.0808	196.0808	3.7600e-003	3.5900e-003	197.2460
NaturalGas Unmitigated	0.0278	0.2376	0.1021	1.5200e-003		0.0192	0.0192		0.0192	0.0192	0.0000	275.0359	275.0359	5.2700e-003	5.0400e-003	276.6703

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
Condo/Townhouse	4.77508e+006	0.0258	0.2200	0.0936	1.4000e-003		0.0178	0.0178		0.0178	0.0178	0.0000	254.8167	254.8167	4.8800e-003	4.6700e-003	256.3309
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	329695	1.7800e-003	0.0152	6.4600e-003	1.0000e-004		1.2300e-003	1.2300e-003		1.2300e-003	1.2300e-003	0.0000	17.5938	17.5938	3.4000e-004	3.2000e-004	17.6983
Strip Mall	49200	2.7000e-004	2.4100e-003	2.0300e-003	1.0000e-005		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004	0.0000	2.6255	2.6255	5.0000e-005	5.0000e-005	2.6411
Total		**0.0278**	**0.2376**	**0.1021**	**1.5100e-003**		**0.0192**	**0.0192**		**0.0192**	**0.0192**	**0.0000**	**275.0359**	**275.0359**	**5.2700e-003**	**5.0400e-003**	**276.6703**

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
Condo/Townhouse	3.42493e+006	0.0185	0.1578	0.0672	1.0100e-003		0.0128	0.0128		0.0128	0.0128	0.0000	182.7675	182.7675	3.5000e-003	3.3500e-003	183.8536
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	215806	1.1600e-003	9.9400e-003	4.2300e-003	6.0000e-005		8.0000e-004	8.0000e-004		8.0000e-004	8.0000e-004	0.0000	11.5162	11.5162	2.2000e-004	2.1000e-004	11.5847
Strip Mall	33675	1.8000e-004	1.6500e-003	1.3900e-003	1.0000e-005		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004	0.0000	1.7970	1.7970	3.0000e-005	3.0000e-005	1.8077
Total		**0.0198**	**0.1694**	**0.0728**	**1.0800e-003**		**0.0137**	**0.0137**		**0.0137**	**0.0137**	**0.0000**	**196.0808**	**196.0808**	**3.7500e-003**	**3.5900e-003**	**197.2460**

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
Condo/Townhouse	1.4011e+006	287.3866	0.0000	0.0000	287.3866
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	98499.5	20.2037	0.0000	0.0000	20.2037
Strip Mall	405000	83.0714	0.0000	0.0000	83.0714
Total		**390.6616**	**0.0000**	**0.0000**	**390.6616**

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
Condo/Townhouse	685300	140.5650	0.0000	0.0000	140.5650
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	48052.3	9.8562	0.0000	0.0000	9.8562
Strip Mall	175433	35.9837	0.0000	0.0000	35.9837
Total		**186.4049**	**0.0000**	**0.0000**	**186.4049**

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

Use only Natural Gas Hearths

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	1.4095	0.0794	3.0075	4.5000e-004		0.0202	0.0202		0.0202	0.0202	0.0000	56.9960	56.9960	5.6800e-003	9.6000e-004	57.4226
Unmitigated	1.4095	0.0794	3.0075	4.5000e-004		0.0202	0.0202		0.0202	0.0202	0.0000	56.9960	56.9960	5.6800e-003	9.6000e-004	57.4226

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.1028					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.2117					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	5.2700e-003	0.0450	0.0192	2.9000e-004		3.6400e-003	3.6400e-003		3.6400e-003	3.6400e-003	0.0000	52.1098	52.1098	1.0000e-003	9.6000e-004	52.4194
Landscaping	0.0898	0.0344	2.9883	1.6000e-004		0.0166	0.0166		0.0166	0.0166	0.0000	4.8862	4.8862	4.6800e-003	0.0000	5.0032
Total	**1.4095**	**0.0794**	**3.0075**	**4.5000e-004**		**0.0202**	**0.0202**		**0.0202**	**0.0202**	**0.0000**	**56.9960**	**56.9960**	**5.6800e-003**	**9.6000e-004**	**57.4226**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.1028					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.2117					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	5.2700e-003	0.0450	0.0192	2.9000e-004		3.6400e-003	3.6400e-003		3.6400e-003	3.6400e-003	0.0000	52.1098	52.1098	1.0000e-003	9.6000e-004	52.4194
Landscaping	0.0898	0.0344	2.9883	1.6000e-004		0.0166	0.0166		0.0166	0.0166	0.0000	4.8862	4.8862	4.6800e-003	0.0000	5.0032
Total	**1.4095**	**0.0794**	**3.0075**	**4.5000e-004**		**0.0202**	**0.0202**		**0.0202**	**0.0202**	**0.0000**	**56.9960**	**56.9960**	**5.6800e-003**	**9.6000e-004**	**57.4226**

7.0 Water Detail

7.1 Mitigation Measures Water

Use Reclaimed Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

Use Water Efficient Irrigation System

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	71.0025	0.5505	0.0130	88.6377
Unmitigated	99.8633	0.6881	0.0163	121.9073

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 2.85956	6.5164	0.0000	0.0000	6.5164
Condo/Townhouse	18.1128 / 11.419	80.1438	0.5902	0.0139	99.0519
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	0.781848 / 0.492904	3.4594	0.0255	6.0000e-004	4.2756
Strip Mall	2.22218 / 1.36198	9.7437	0.0724	1.7100e-003	12.0634
Total		**99.8633**	**0.6881**	**0.0163**	**121.9073**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 1.59633	3.6378	0.0000	0.0000	3.6378
Condo/Townhouse	14.4903 / 6.37457	57.8241	0.4722	0.0112	72.9506
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	0.625479 / 0.275161	2.4960	0.0204	4.8000e-004	3.1490
Strip Mall	1.77774 / 0.760317	7.0446	0.0579	1.3700e-003	8.9004
Total		**71.0025**	**0.5505**	**0.0130**	**88.6377**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	35.2250	2.0817	0.0000	87.2685
Unmitigated	35.2250	2.0817	0.0000	87.2685

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0.21	0.0426	2.5200e-003	0.0000	0.1056
Condo/Townhouse	127.88	25.9585	1.5341	0.0000	64.3111
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	13.94	2.8297	0.1672	0.0000	7.0105
Strip Mall	31.5	6.3942	0.3779	0.0000	15.8414
Total		**35.2250**	**2.0817**	**0.0000**	**87.2685**

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0.21	0.0426	2.5200e-003	0.0000	0.1056
Condo/Townhouse	127.88	25.9585	1.5341	0.0000	64.3111
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	13.94	2.8297	0.1672	0.0000	7.0105
Strip Mall	31.5	6.3942	0.3779	0.0000	15.8414
Total		**35.2250**	**2.0817**	**0.0000**	**87.2685**

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Walnut Specific Plan

South Coast Air Basin, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	7.00	Acre	7.40	304,920.00	0
City Park	2.40	Acre	2.40	104,544.00	0
Condo/Townhouse	278.00	Dwelling Unit	20.60	278,000.00	795
Single Family Housing	12.00	Dwelling Unit	2.60	21,600.00	34
Strip Mall	30.00	1000sqft	3.00	30,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	31
Climate Zone	9			**Operational Year**	2025
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	452.2	**CH4 Intensity (lb/MWhr)**	0	**N2O Intensity (lb/MWhr)**	0

1.3 User Entered Comments & Non-Default Data

Project Characteristics - SCE 2017 report

Land Use - Lot acreage changed per project descrip/Specific Plan details

Construction Phase - Arch. coating changed to overlap with bldg. construc. and end on build-out date. Site prep to begin Dec. 2019. per project descrip. Schedule provided by Construc. Mgr. Grading II is sewer line install.

Off-road Equipment -

Off-road Equipment - Sewer line install. Equip list provided by Shea Homes

Off-road Equipment -

Trips and VMT - Assuming tandem truck combined capacity of 28 CY per truck, 14 cy per bed, haul to and from.

Grading - Grading amt per project descrip. in Initial Study, 250 cy for sewer line

Architectural Coating - Per SCAQMD Rule 113 for non-flat coatings (50g/L)

Vehicle Trips - Parks within project site would be private and open space/landscaping would not generate trips. Wkdy trip gen provided by Ganddini Group.

Woodstoves - Per details, 217 gas burning fireplaces (213 single family units and 4 community). If up to 290 total, 73 no fireplace in townhomes. Per SCAQMD Rule 445 prohibiting wood-burning hearths in new residential development

Area Coating - Per SCAQMD Rule 1113 for nonflat coatings (50g/L)

Energy Use -

Water And Wastewater -

Solid Waste -

Construction Off-road Equipment Mitigation - Per SCAQMD Rule 403 requiring twice daily watering for fugitive dust mitigation

Mobile Land Use Mitigation - 12.5 units/resid. acre; 23.7 jobs/job-acre; destin. access. 0.06; transit access. 0.25; pedest. network: project site and connecting

Mobile Commute Mitigation -

Area Mitigation - Per SCAQMD Rule 1113 for nonflat coatings (50g/L)

Energy Mitigation - 39% on-site gener. per 80% resid. electr. use and 50% solar on resid.; 30% above Title 24 2016 to meet Title 24 2019 commerc. and resid.

Water Mitigation - Assumed 50% of outdoor water use would be reclaimed, indoor water use would use water efficient fittings, and water irrigation

Waste Mitigation - Recycling & Composting

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00

Walnut Specific Plan - South Coast Air Basin, Annual

tblArchitecturalCoating	EF_Parking	100.00	50.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	100	50
tblAreaCoating	Area_EF_Nonresidential_Interior	100	50
tblAreaCoating	Area_EF_Parking	100	50
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstructionPhase	NumDays	30.00	46.00
tblConstructionPhase	NumDays	75.00	129.00
tblConstructionPhase	NumDays	75.00	10.00
tblConstructionPhase	NumDays	740.00	978.00
tblConstructionPhase	NumDays	55.00	489.00
tblConstructionPhase	NumDays	55.00	66.00
tblFireplaces	NumberGas	236.30	4.00
tblFireplaces	NumberGas	10.20	213.00
tblFireplaces	NumberNoFireplace	27.80	73.00
tblFireplaces	NumberNoFireplace	1.20	0.00
tblFireplaces	NumberWood	13.90	0.00
tblFireplaces	NumberWood	0.60	0.00
tblGrading	AcresOfGrading	322.50	187.50
tblGrading	MaterialExported	0.00	85,250.00
tblLandUse	LotAcreage	7.00	7.40
tblLandUse	LotAcreage	17.38	20.60
tblLandUse	LotAcreage	3.90	2.60
tblLandUse	LotAcreage	0.69	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	PhaseName		Grading II
tblOffRoadEquipment	PhaseName		Grading II

tblProjectCharacteristics	CH4IntensityFactor	0.029	0
tblProjectCharacteristics	CO2IntensityFactor	702.44	452.2
tblProjectCharacteristics	N2OIntensityFactor	0.006	0
tblTripsAndVMT	HaulingTripLength	20.00	0.00
tblTripsAndVMT	HaulingTripNumber	10,656.00	6,089.00
tblTripsAndVMT	VendorTripLength	6.90	0.00
tblTripsAndVMT	WorkerTripLength	14.70	0.00
tblTripsAndVMT	WorkerTripNumber	10.00	0.00
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	5.81	7.32
tblVehicleTrips	WD_TR	9.52	9.44
tblVehicleTrips	WD_TR	44.32	88.37
tblWoodstoves	NumberCatalytic	13.90	0.00
tblWoodstoves	NumberCatalytic	0.60	0.00
tblWoodstoves	NumberNoncatalytic	13.90	0.00
tblWoodstoves	NumberNoncatalytic	0.60	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2019	0.0265	0.2739	0.1369	2.4000e-004	0.1096	0.0144	0.1239	0.0599	0.0132	0.0731	0.0000	21.6031	21.6031	6.5200e-003	0.0000	21.7661
2020	0.6010	6.4569	4.4091	0.0120	1.1114	0.2426	1.3540	0.4778	0.2246	0.7023	0.0000	1,092.1124	1,092.1124	0.1938	0.0000	1,096.9561
2021	0.4961	3.7377	4.2515	0.0122	0.6374	0.1319	0.7693	0.1712	0.1240	0.2952	0.0000	1,110.5494	1,110.5494	0.1069	0.0000	1,113.2228
2022	0.7623	3.5120	4.3374	0.0127	0.6903	0.1173	0.8075	0.1853	0.1106	0.2959	0.0000	1,149.5869	1,149.5869	0.1063	0.0000	1,152.2451
2023	1.0240	3.1184	4.4150	0.0130	0.7448	0.1060	0.8507	0.1997	0.1002	0.2999	0.0000	1,181.3335	1,181.3335	0.1041	0.0000	1,183.9364
2024	0.4283	1.4764	2.1870	5.7900e-003	0.3051	0.0528	0.3578	0.0815	0.0496	0.1311	0.0000	522.9312	522.9312	0.0606	0.0000	524.4467
Maximum	**1.0240**	**6.4569**	**4.4150**	**0.0130**	**1.1114**	**0.2426**	**1.3540**	**0.4778**	**0.2246**	**0.7023**	**0.0000**	**1,181.3335**	**1,181.3335**	**0.1938**	**0.0000**	**1,183.9364**

2.1 Overall Construction

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2019	0.0265	0.2739	0.1369	2.4000e-004	0.0500	0.0144	0.0643	0.0271	0.0132	0.0403	0.0000	21.6031	21.6031	6.5200e-003	0.0000	21.7661
2020	0.6010	6.4569	4.4091	0.0120	0.6715	0.2426	0.9141	0.2612	0.2246	0.4857	0.0000	1,092.1118	1,092.1118	0.1938	0.0000	1,096.9555
2021	0.4961	3.7377	4.2515	0.0122	0.6374	0.1319	0.7693	0.1712	0.1240	0.2952	0.0000	1,110.5491	1,110.5491	0.1069	0.0000	1,113.2225
2022	0.7623	3.5120	4.3374	0.0127	0.6903	0.1173	0.8075	0.1853	0.1106	0.2959	0.0000	1,149.5865	1,149.5865	0.1063	0.0000	1,152.2447
2023	1.0240	3.1184	4.4150	0.0130	0.7448	0.1060	0.8507	0.1997	0.1002	0.2999	0.0000	1,181.3331	1,181.3331	0.1041	0.0000	1,183.9360
2024	0.4283	1.4764	2.1870	5.7900e-003	0.3051	0.0528	0.3578	0.0815	0.0496	0.1311	0.0000	522.9310	522.9310	0.0606	0.0000	524.4464
Maximum	**1.0240**	**6.4569**	**4.4150**	**0.0130**	**0.7448**	**0.2426**	**0.9141**	**0.2612**	**0.2246**	**0.4857**	**0.0000**	**1,181.3331**	**1,181.3331**	**0.1938**	**0.0000**	**1,183.9360**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**13.88**	**0.00**	**11.72**	**21.22**	**0.00**	**13.87**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
5	**12-1-2019**	**2-29-2020**	1.5014	1.5014
6	**3-1-2020**	**5-31-2020**	2.6551	2.6551
7	**6-1-2020**	**8-31-2020**	2.3706	2.3706
8	**9-1-2020**	**11-30-2020**	1.1570	1.1570
9	**12-1-2020**	**2-28-2021**	1.0783	1.0783

10	**3-1-2021**	**5-31-2021**	1.0594	1.0594
11	**6-1-2021**	**8-31-2021**	1.0566	1.0566
12	**9-1-2021**	**11-30-2021**	1.0507	1.0507
13	**12-1-2021**	**2-28-2022**	0.9840	0.9840
14	**3-1-2022**	**5-31-2022**	0.9696	0.9696
15	**6-1-2022**	**8-31-2022**	1.1067	1.1067
16	**9-1-2022**	**11-30-2022**	1.1678	1.1678
17	**12-1-2022**	**2-28-2023**	1.0715	1.0715
18	**3-1-2023**	**5-31-2023**	1.0433	1.0433
19	**6-1-2023**	**8-31-2023**	1.0404	1.0404
20	**9-1-2023**	**11-30-2023**	1.0347	1.0347
21	**12-1-2023**	**2-29-2024**	1.0084	1.0084
22	**3-1-2024**	**5-31-2024**	0.8966	0.8966
23	**6-1-2024**	**8-31-2024**	0.3367	0.3367
		Highest	2.6551	2.6551

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	1.4095	0.0794	3.0075	4.5000e-004		0.0202	0.0202		0.0202	0.0202	0.0000	56.9960	56.9960	5.6800e-003	9.6000e-004	57.4226
Energy	0.0278	0.2376	0.1021	1.5200e-003		0.0192	0.0192		0.0192	0.0192	0.0000	665.6975	665.6975	5.2700e-003	5.0400e-003	667.3319
Mobile	0.8925	4.3333	11.0314	0.0452	4.1354	0.0333	4.1687	1.1078	0.0309	1.1387	0.0000	4,184.5391	4,184.5391	0.1868	0.0000	4,189.2096
Waste						0.0000	0.0000		0.0000	0.0000	35.2250	0.0000	35.2250	2.0817	0.0000	87.2685
Water						0.0000	0.0000		0.0000	0.0000	6.6994	93.1639	99.8633	0.6881	0.0163	121.9073
Total	**2.3298**	**4.6503**	**14.1410**	**0.0471**	**4.1354**	**0.0727**	**4.2081**	**1.1078**	**0.0703**	**1.1781**	**41.9244**	**5,000.3965**	**5,042.3209**	**2.9676**	**0.0223**	**5,123.1399**

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	1.4095	0.0794	3.0075	4.5000e-004		0.0202	0.0202		0.0202	0.0202	0.0000	56.9960	56.9960	5.6800e-003	9.6000e-004	57.4226
Energy	0.0225	0.1922	0.0826	1.2300e-003		0.0155	0.0155		0.0155	0.0155	0.0000	453.4431	453.4431	4.2600e-003	4.0800e-003	454.7647
Mobile	0.7127	3.3306	6.4788	0.0234	1.9874	0.0181	2.0055	0.5324	0.0168	0.5492	0.0000	2,169.1240	2,169.1240	0.1098	0.0000	2,171.8700
Waste						0.0000	0.0000		0.0000	0.0000	35.2250	0.0000	35.2250	2.0817	0.0000	87.2685
Water						0.0000	0.0000		0.0000	0.0000	5.3595	65.6429	71.0025	0.5505	0.0130	88.6377
Total	**2.1447**	**3.6022**	**9.5689**	**0.0250**	**1.9874**	**0.0539**	**2.0413**	**0.5324**	**0.0526**	**0.5850**	**40.5845**	**2,745.2060**	**2,785.7905**	**2.7520**	**0.0180**	**2,859.9634**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**7.94**	**22.54**	**32.33**	**46.87**	**51.94**	**25.92**	**51.49**	**51.94**	**25.27**	**50.35**	**3.20**	**45.10**	**44.75**	**7.27**	**18.92**	**44.18**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	12/15/2019	2/17/2020	5	46	
2	Grading	Grading	2/18/2020	8/14/2020	5	129	
3	Grading II	Grading	2/18/2020	3/2/2020	5	10	
4	Building Construction	Building Construction	8/15/2020	5/15/2024	5	978	
5	Architectural Coating	Architectural Coating	7/1/2022	5/15/2024	5	489	
6	Paving	Paving	5/16/2024	8/15/2024	5	66	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 187.5

Acres of Paving: 7.4

Residential Indoor: 606,690; Residential Outdoor: 202,230; Non-Residential Indoor: 45,000; Non-Residential Outdoor: 15,000; Striped Parking Area: 18,295 (Architectural Coating – sqft)

OffRoad Equipment

Walnut Specific Plan - South Coast Air Basin, Annual

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Grading II	Dumpers/Tenders	1	8.00	16	0.38
Grading II	Off-Highway Trucks	1	8.00	402	0.38
Grading II	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Air Compressors	1	6.00	78	0.48
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

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	6,089.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	386.00	103.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	77.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading II	4	0.00	0.00	0.00	0.00	0.00	0.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Site Preparation - 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					0.1084	0.0000	0.1084	0.0596	0.0000	0.0596	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0260	0.2734	0.1324	2.3000e-004		0.0143	0.0143		0.0132	0.0132	0.0000	20.5012	20.5012	6.4900e-003	0.0000	20.6634
Total	**0.0260**	**0.2734**	**0.1324**	**2.3000e-004**	**0.1084**	**0.0143**	**0.1227**	**0.0596**	**0.0132**	**0.0728**	**0.0000**	**20.5012**	**20.5012**	**6.4900e-003**	**0.0000**	**20.6634**

3.2 Site Preparation - 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	5.2000e-004	4.1000e-004	4.5100e-003	1.0000e-005	1.1800e-003	1.0000e-005	1.1900e-003	3.1000e-004	1.0000e-005	3.2000e-004	0.0000	1.1019	1.1019	3.0000e-005	0.0000	1.1027
Total	**5.2000e-004**	**4.1000e-004**	**4.5100e-003**	**1.0000e-005**	**1.1800e-003**	**1.0000e-005**	**1.1900e-003**	**3.1000e-004**	**1.0000e-005**	**3.2000e-004**	**0.0000**	**1.1019**	**1.1019**	**3.0000e-005**	**0.0000**	**1.1027**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.0488	0.0000	0.0488	0.0268	0.0000	0.0268	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0260	0.2734	0.1324	2.3000e-004		0.0143	0.0143		0.0132	0.0132	0.0000	20.5012	20.5012	6.4900e-003	0.0000	20.6634
Total	**0.0260**	**0.2734**	**0.1324**	**2.3000e-004**	**0.0488**	**0.0143**	**0.0631**	**0.0268**	**0.0132**	**0.0400**	**0.0000**	**20.5012**	**20.5012**	**6.4900e-003**	**0.0000**	**20.6634**

3.2 Site Preparation - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.2000e-004	4.1000e-004	4.5100e-003	1.0000e-005	1.1800e-003	1.0000e-005	1.1900e-003	3.1000e-004	1.0000e-005	3.2000e-004	0.0000	1.1019	1.1019	3.0000e-005	0.0000	1.1027
Total	**5.2000e-004**	**4.1000e-004**	**4.5100e-003**	**1.0000e-005**	**1.1800e-003**	**1.0000e-005**	**1.1900e-003**	**3.1000e-004**	**1.0000e-005**	**3.2000e-004**	**0.0000**	**1.1019**	**1.1019**	**3.0000e-005**	**0.0000**	**1.1027**

3.2 Site Preparation - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.3071	0.0000	0.3071	0.1688	0.0000	0.1688	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0693	0.7211	0.3657	6.5000e-004		0.0374	0.0374		0.0344	0.0344	0.0000	56.8322	56.8322	0.0184	0.0000	57.2917
Total	**0.0693**	**0.7211**	**0.3657**	**6.5000e-004**	**0.3071**	**0.0374**	**0.3445**	**0.1688**	**0.0344**	**0.2032**	**0.0000**	**56.8322**	**56.8322**	**0.0184**	**0.0000**	**57.2917**

3.2 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	1.3600e-003	1.0500e-003	0.0116	3.0000e-005	3.3600e-003	3.0000e-005	3.3800e-003	8.9000e-004	2.0000e-005	9.2000e-004	0.0000	3.0252	3.0252	9.0000e-005	0.0000	3.0274
Total	**1.3600e-003**	**1.0500e-003**	**0.0116**	**3.0000e-005**	**3.3600e-003**	**3.0000e-005**	**3.3800e-003**	**8.9000e-004**	**2.0000e-005**	**9.2000e-004**	**0.0000**	**3.0252**	**3.0252**	**9.0000e-005**	**0.0000**	**3.0274**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.1382	0.0000	0.1382	0.0760	0.0000	0.0760	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0693	0.7211	0.3657	6.5000e-004		0.0374	0.0374		0.0344	0.0344	0.0000	56.8321	56.8321	0.0184	0.0000	57.2916
Total	**0.0693**	**0.7211**	**0.3657**	**6.5000e-004**	**0.1382**	**0.0374**	**0.1756**	**0.0760**	**0.0344**	**0.1103**	**0.0000**	**56.8321**	**56.8321**	**0.0184**	**0.0000**	**57.2916**

3.2 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	1.3600e-003	1.0500e-003	0.0116	3.0000e-005	3.3600e-003	3.0000e-005	3.3800e-003	8.9000e-004	2.0000e-005	9.2000e-004	0.0000	3.0252	3.0252	9.0000e-005	0.0000	3.0274
Total	**1.3600e-003**	**1.0500e-003**	**0.0116**	**3.0000e-005**	**3.3600e-003**	**3.0000e-005**	**3.3800e-003**	**8.9000e-004**	**2.0000e-005**	**9.2000e-004**	**0.0000**	**3.0252**	**3.0252**	**9.0000e-005**	**0.0000**	**3.0274**

3.3 Grading - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.4927	0.0000	0.4927	0.2250	0.0000	0.2250	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.2870	3.2377	2.0613	4.0000e-003		0.1402	0.1402		0.1290	0.1290	0.0000	351.4237	351.4237	0.1137	0.0000	354.2651
Total	**0.2870**	**3.2377**	**2.0613**	**4.0000e-003**	**0.4927**	**0.1402**	**0.6329**	**0.2250**	**0.1290**	**0.3540**	**0.0000**	**351.4237**	**351.4237**	**0.1137**	**0.0000**	**354.2651**

3.3 Grading - 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	0.0245	0.8757	0.1817	2.3500e-003	0.0523	2.7600e-003	0.0551	0.0144	2.6400e-003	0.0170	0.0000	230.9955	230.9955	0.0167	0.0000	231.4139
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.7400e-003	4.4200e-003	0.0489	1.4000e-004	0.0142	1.1000e-004	0.0143	3.7600e-003	1.0000e-004	3.8600e-003	0.0000	12.7533	12.7533	3.7000e-004	0.0000	12.7625
Total	**0.0302**	**0.8801**	**0.2306**	**2.4900e-003**	**0.0665**	**2.8700e-003**	**0.0693**	**0.0181**	**2.7400e-003**	**0.0209**	**0.0000**	**243.7488**	**243.7488**	**0.0171**	**0.0000**	**244.1764**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.2217	0.0000	0.2217	0.1012	0.0000	0.1012	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.2870	3.2377	2.0613	4.0000e-003		0.1402	0.1402		0.1290	0.1290	0.0000	351.4233	351.4233	0.1137	0.0000	354.2647
Total	**0.2870**	**3.2377**	**2.0613**	**4.0000e-003**	**0.2217**	**0.1402**	**0.3619**	**0.1012**	**0.1290**	**0.2302**	**0.0000**	**351.4233**	**351.4233**	**0.1137**	**0.0000**	**354.2647**

3.3 Grading - 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	0.0245	0.8757	0.1817	2.3500e-003	0.0523	2.7600e-003	0.0551	0.0144	2.6400e-003	0.0170	0.0000	230.9955	230.9955	0.0167	0.0000	231.4139
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.7400e-003	4.4200e-003	0.0489	1.4000e-004	0.0142	1.1000e-004	0.0143	3.7600e-003	1.0000e-004	3.8600e-003	0.0000	12.7533	12.7533	3.7000e-004	0.0000	12.7625
Total	**0.0302**	**0.8801**	**0.2306**	**2.4900e-003**	**0.0665**	**2.8700e-003**	**0.0693**	**0.0181**	**2.7400e-003**	**0.0209**	**0.0000**	**243.7488**	**243.7488**	**0.0171**	**0.0000**	**244.1764**

3.4 Grading II - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.7800e-003	0.0550	0.0431	1.0000e-004		2.5700e-003	2.5700e-003		2.3700e-003	2.3700e-003	0.0000	8.8047	8.8047	2.7900e-003	0.0000	8.8744
Total	**5.7800e-003**	**0.0550**	**0.0431**	**1.0000e-004**	**0.0000**	**2.5700e-003**	**2.5700e-003**	**0.0000**	**2.3700e-003**	**2.3700e-003**	**0.0000**	**8.8047**	**8.8047**	**2.7900e-003**	**0.0000**	**8.8744**

3.4 Grading II - 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.7800e-003	0.0550	0.0431	1.0000e-004		2.5700e-003	2.5700e-003		2.3700e-003	2.3700e-003	0.0000	8.8047	8.8047	2.7900e-003	0.0000	8.8744
Total	**5.7800e-003**	**0.0550**	**0.0431**	**1.0000e-004**	**0.0000**	**2.5700e-003**	**2.5700e-003**	**0.0000**	**2.3700e-003**	**2.3700e-003**	**0.0000**	**8.8047**	**8.8047**	**2.7900e-003**	**0.0000**	**8.8744**

3.4 Grading II - 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.5 Building Construction - 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	0.1049	0.9497	0.8340	1.3300e-003		0.0553	0.0553		0.0520	0.0520	0.0000	114.6469	114.6469	0.0280	0.0000	115.3462
Total	**0.1049**	**0.9497**	**0.8340**	**1.3300e-003**		**0.0553**	**0.0553**		**0.0520**	**0.0520**	**0.0000**	**114.6469**	**114.6469**	**0.0280**	**0.0000**	**115.3462**

3.5 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	0.0173	0.5467	0.1379	1.2900e-003	0.0321	2.6800e-003	0.0348	9.2700e-003	2.5600e-003	0.0118	0.0000	124.7335	124.7335	8.3200e-003	0.0000	124.9416
Worker	0.0851	0.0655	0.7249	2.0900e-003	0.2096	1.6300e-003	0.2113	0.0557	1.5000e-003	0.0572	0.0000	188.8974	188.8974	5.4400e-003	0.0000	189.0334
Total	**0.1023**	**0.6122**	**0.8627**	**3.3800e-003**	**0.2418**	**4.3100e-003**	**0.2461**	**0.0649**	**4.0600e-003**	**0.0690**	**0.0000**	**313.6309**	**313.6309**	**0.0138**	**0.0000**	**313.9750**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1049	0.9497	0.8340	1.3300e-003		0.0553	0.0553		0.0520	0.0520	0.0000	114.6468	114.6468	0.0280	0.0000	115.3461
Total	**0.1049**	**0.9497**	**0.8340**	**1.3300e-003**		**0.0553**	**0.0553**		**0.0520**	**0.0520**	**0.0000**	**114.6468**	**114.6468**	**0.0280**	**0.0000**	**115.3461**

3.5 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	0.0173	0.5467	0.1379	1.2900e-003	0.0321	2.6800e-003	0.0348	9.2700e-003	2.5600e-003	0.0118	0.0000	124.7335	124.7335	8.3200e-003	0.0000	124.9416
Worker	0.0851	0.0655	0.7249	2.0900e-003	0.2096	1.6300e-003	0.2113	0.0557	1.5000e-003	0.0572	0.0000	188.8974	188.8974	5.4400e-003	0.0000	189.0334
Total	**0.1023**	**0.6122**	**0.8627**	**3.3800e-003**	**0.2418**	**4.3100e-003**	**0.2461**	**0.0649**	**4.0600e-003**	**0.0690**	**0.0000**	**313.6309**	**313.6309**	**0.0138**	**0.0000**	**313.9750**

3.5 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2481	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**

3.5 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	0.0386	1.3075	0.3304	3.3600e-003	0.0847	2.6600e-003	0.0874	0.0244	2.5500e-003	0.0270	0.0000	326.3685	326.3685	0.0210	0.0000	326.8944
Worker	0.2094	0.1554	1.7580	5.3300e-003	0.5527	4.1700e-003	0.5568	0.1468	3.8400e-003	0.1506	0.0000	481.8943	481.8943	0.0130	0.0000	482.2185
Total	**0.2480**	**1.4628**	**2.0884**	**8.6900e-003**	**0.6374**	**6.8300e-003**	**0.6442**	**0.1712**	**6.3900e-003**	**0.1776**	**0.0000**	**808.2628**	**808.2628**	**0.0340**	**0.0000**	**809.1130**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	302.2863	302.2863	0.0729	0.0000	304.1095
Total	**0.2481**	**2.2749**	**2.1631**	**3.5100e-003**		**0.1251**	**0.1251**		**0.1176**	**0.1176**	**0.0000**	**302.2863**	**302.2863**	**0.0729**	**0.0000**	**304.1095**

3.5 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	0.0386	1.3075	0.3304	3.3600e-003	0.0847	2.6600e-003	0.0874	0.0244	2.5500e-003	0.0270	0.0000	326.3685	326.3685	0.0210	0.0000	326.8944
Worker	0.2094	0.1554	1.7580	5.3300e-003	0.5527	4.1700e-003	0.5568	0.1468	3.8400e-003	0.1506	0.0000	481.8943	481.8943	0.0130	0.0000	482.2185
Total	**0.2480**	**1.4628**	**2.0884**	**8.6900e-003**	**0.6374**	**6.8300e-003**	**0.6442**	**0.1712**	**6.3900e-003**	**0.1776**	**0.0000**	**808.2628**	**808.2628**	**0.0340**	**0.0000**	**809.1130**

3.5 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2218	2.0300	2.1272	3.5000e-003		0.1052	0.1052		0.0990	0.0990	0.0000	301.2428	301.2428	0.0722	0.0000	303.0471
Total	**0.2218**	**2.0300**	**2.1272**	**3.5000e-003**		**0.1052**	**0.1052**		**0.0990**	**0.0990**	**0.0000**	**301.2428**	**301.2428**	**0.0722**	**0.0000**	**303.0471**

3.5 Building Construction - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0361	1.2358	0.3117	3.3200e-003	0.0844	2.3100e-003	0.0867	0.0244	2.2100e-003	0.0266	0.0000	322.2460	322.2460	0.0202	0.0000	322.7517
Worker	0.1959	0.1398	1.6172	5.1200e-003	0.5505	4.0300e-003	0.5546	0.1462	3.7100e-003	0.1499	0.0000	462.8537	462.8537	0.0117	0.0000	463.1454
Total	**0.2320**	**1.3757**	**1.9288**	**8.4400e-003**	**0.6349**	**6.3400e-003**	**0.6413**	**0.1706**	**5.9200e-003**	**0.1765**	**0.0000**	**785.0997**	**785.0997**	**0.0319**	**0.0000**	**785.8971**

Mitigated Construction On-Site

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

3.5 Building Construction - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0361	1.2358	0.3117	3.3200e-003	0.0844	2.3100e-003	0.0867	0.0244	2.2100e-003	0.0266	0.0000	322.2460	322.2460	0.0202	0.0000	322.7517
Worker	0.1959	0.1398	1.6172	5.1200e-003	0.5505	4.0300e-003	0.5546	0.1462	3.7100e-003	0.1499	0.0000	462.8537	462.8537	0.0117	0.0000	463.1454
Total	**0.2320**	**1.3757**	**1.9288**	**8.4400e-003**	**0.6349**	**6.3400e-003**	**0.6413**	**0.1706**	**5.9200e-003**	**0.1765**	**0.0000**	**785.0997**	**785.0997**	**0.0319**	**0.0000**	**785.8971**

3.5 Building Construction - 2023

Unmitigated Construction On-Site

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

3.5 Building Construction - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0268	0.9272	0.2793	3.2100e-003	0.0844	1.0700e-003	0.0855	0.0244	1.0300e-003	0.0254	0.0000	312.2972	312.2972	0.0178	0.0000	312.7430
Worker	0.1844	0.1265	1.4911	4.9300e-003	0.5505	3.9300e-003	0.5545	0.1462	3.6200e-003	0.1498	0.0000	445.6073	445.6073	0.0105	0.0000	445.8702
Total	**0.2112**	**1.0537**	**1.7704**	**8.1400e-003**	**0.6349**	**5.0000e-003**	**0.6399**	**0.1706**	**4.6500e-003**	**0.1752**	**0.0000**	**757.9044**	**757.9044**	**0.0284**	**0.0000**	**758.6131**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2045	1.8700	2.1117	3.5000e-003		0.0910	0.0910		0.0856	0.0856	0.0000	301.3458	301.3458	0.0717	0.0000	303.1380
Total	**0.2045**	**1.8700**	**2.1117**	**3.5000e-003**		**0.0910**	**0.0910**		**0.0856**	**0.0856**	**0.0000**	**301.3458**	**301.3458**	**0.0717**	**0.0000**	**303.1380**

3.5 Building Construction - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0268	0.9272	0.2793	3.2100e-003	0.0844	1.0700e-003	0.0855	0.0244	1.0300e-003	0.0254	0.0000	312.2972	312.2972	0.0178	0.0000	312.7430
Worker	0.1844	0.1265	1.4911	4.9300e-003	0.5505	3.9300e-003	0.5545	0.1462	3.6200e-003	0.1498	0.0000	445.6073	445.6073	0.0105	0.0000	445.8702
Total	**0.2112**	**1.0537**	**1.7704**	**8.1400e-003**	**0.6349**	**5.0000e-003**	**0.6399**	**0.1706**	**4.6500e-003**	**0.1752**	**0.0000**	**757.9044**	**757.9044**	**0.0284**	**0.0000**	**758.6131**

3.5 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0721	0.6587	0.7922	1.3200e-003		0.0301	0.0301		0.0283	0.0283	0.0000	113.6061	113.6061	0.0269	0.0000	114.2777
Total	**0.0721**	**0.6587**	**0.7922**	**1.3200e-003**		**0.0301**	**0.0301**		**0.0283**	**0.0283**	**0.0000**	**113.6061**	**113.6061**	**0.0269**	**0.0000**	**114.2777**

3.5 Building Construction - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.8800e-003	0.3486	0.1022	1.2000e-003	0.0318	4.0000e-004	0.0322	9.1800e-003	3.8000e-004	9.5600e-003	0.0000	117.2900	117.2900	6.6200e-003	0.0000	117.4555
Worker	0.0659	0.0434	0.5240	1.8000e-003	0.2075	1.4600e-003	0.2090	0.0551	1.3400e-003	0.0565	0.0000	162.4116	162.4116	3.6300e-003	0.0000	162.5023
Total	**0.0757**	**0.3920**	**0.6263**	**3.0000e-003**	**0.2393**	**1.8600e-003**	**0.2412**	**0.0643**	**1.7200e-003**	**0.0660**	**0.0000**	**279.7016**	**279.7016**	**0.0103**	**0.0000**	**279.9578**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0721	0.6587	0.7922	1.3200e-003		0.0301	0.0301		0.0283	0.0283	0.0000	113.6059	113.6059	0.0269	0.0000	114.2775
Total	**0.0721**	**0.6587**	**0.7922**	**1.3200e-003**		**0.0301**	**0.0301**		**0.0283**	**0.0283**	**0.0000**	**113.6059**	**113.6059**	**0.0269**	**0.0000**	**114.2775**

3.5 Building Construction - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.8800e-003	0.3486	0.1022	1.2000e-003	0.0318	4.0000e-004	0.0322	9.1800e-003	3.8000e-004	9.5600e-003	0.0000	117.2900	117.2900	6.6200e-003	0.0000	117.4555
Worker	0.0659	0.0434	0.5240	1.8000e-003	0.2075	1.4600e-003	0.2090	0.0551	1.3400e-003	0.0565	0.0000	162.4116	162.4116	3.6300e-003	0.0000	162.5023
Total	**0.0757**	**0.3920**	**0.6263**	**3.0000e-003**	**0.2393**	**1.8600e-003**	**0.2412**	**0.0643**	**1.7200e-003**	**0.0660**	**0.0000**	**279.7016**	**279.7016**	**0.0103**	**0.0000**	**279.9578**

3.6 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.2754					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0134	0.0923	0.1188	1.9000e-004		5.3500e-003	5.3500e-003		5.3500e-003	5.3500e-003	0.0000	16.7238	16.7238	1.0900e-003	0.0000	16.7510
Total	**0.2888**	**0.0923**	**0.1188**	**1.9000e-004**		**5.3500e-003**	**5.3500e-003**		**5.3500e-003**	**5.3500e-003**	**0.0000**	**16.7238**	**16.7238**	**1.0900e-003**	**0.0000**	**16.7510**

3.6 Architectural Coating - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0197	0.0141	0.1625	5.1000e-004	0.0553	4.1000e-004	0.0557	0.0147	3.7000e-004	0.0151	0.0000	46.5206	46.5206	1.1700e-003	0.0000	46.5499
Total	**0.0197**	**0.0141**	**0.1625**	**5.1000e-004**	**0.0553**	**4.1000e-004**	**0.0557**	**0.0147**	**3.7000e-004**	**0.0151**	**0.0000**	**46.5206**	**46.5206**	**1.1700e-003**	**0.0000**	**46.5499**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.2754					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0134	0.0923	0.1188	1.9000e-004		5.3500e-003	5.3500e-003		5.3500e-003	5.3500e-003	0.0000	16.7238	16.7238	1.0900e-003	0.0000	16.7510
Total	**0.2888**	**0.0923**	**0.1188**	**1.9000e-004**		**5.3500e-003**	**5.3500e-003**		**5.3500e-003**	**5.3500e-003**	**0.0000**	**16.7238**	**16.7238**	**1.0900e-003**	**0.0000**	**16.7510**

3.6 Architectural Coating - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0197	0.0141	0.1625	5.1000e-004	0.0553	4.1000e-004	0.0557	0.0147	3.7000e-004	0.0151	0.0000	46.5206	46.5206	1.1700e-003	0.0000	46.5499
Total	**0.0197**	**0.0141**	**0.1625**	**5.1000e-004**	**0.0553**	**4.1000e-004**	**0.0557**	**0.0147**	**3.7000e-004**	**0.0151**	**0.0000**	**46.5206**	**46.5206**	**1.1700e-003**	**0.0000**	**46.5499**

3.6 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.5466					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0249	0.1694	0.2355	3.9000e-004		9.2100e-003	9.2100e-003		9.2100e-003	9.2100e-003	0.0000	33.1923	33.1923	1.9900e-003	0.0000	33.2419
Total	**0.5715**	**0.1694**	**0.2355**	**3.9000e-004**		**9.2100e-003**	**9.2100e-003**		**9.2100e-003**	**9.2100e-003**	**0.0000**	**33.1923**	**33.1923**	**1.9900e-003**	**0.0000**	**33.2419**

3.6 Architectural Coating - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0368	0.0252	0.2974	9.8000e-004	0.1098	7.8000e-004	0.1106	0.0292	7.2000e-004	0.0299	0.0000	88.8906	88.8906	2.1000e-003	0.0000	88.9430
Total	**0.0368**	**0.0252**	**0.2974**	**9.8000e-004**	**0.1098**	**7.8000e-004**	**0.1106**	**0.0292**	**7.2000e-004**	**0.0299**	**0.0000**	**88.8906**	**88.8906**	**2.1000e-003**	**0.0000**	**88.9430**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.5466					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0249	0.1694	0.2354	3.9000e-004		9.2100e-003	9.2100e-003		9.2100e-003	9.2100e-003	0.0000	33.1923	33.1923	1.9900e-003	0.0000	33.2419
Total	**0.5715**	**0.1694**	**0.2354**	**3.9000e-004**		**9.2100e-003**	**9.2100e-003**		**9.2100e-003**	**9.2100e-003**	**0.0000**	**33.1923**	**33.1923**	**1.9900e-003**	**0.0000**	**33.2419**

3.6 Architectural Coating - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0368	0.0252	0.2974	9.8000e-004	0.1098	7.8000e-004	0.1106	0.0292	7.2000e-004	0.0299	0.0000	88.8906	88.8906	2.1000e-003	0.0000	88.9430
Total	**0.0368**	**0.0252**	**0.2974**	**9.8000e-004**	**0.1098**	**7.8000e-004**	**0.1106**	**0.0292**	**7.2000e-004**	**0.0299**	**0.0000**	**88.8906**	**88.8906**	**2.1000e-003**	**0.0000**	**88.9430**

3.6 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.2060					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.8600e-003	0.0597	0.0887	1.5000e-004		2.9800e-003	2.9800e-003		2.9800e-003	2.9800e-003	0.0000	12.5109	12.5109	7.0000e-004	0.0000	12.5286
Total	**0.2149**	**0.0597**	**0.0887**	**1.5000e-004**		**2.9800e-003**	**2.9800e-003**		**2.9800e-003**	**2.9800e-003**	**0.0000**	**12.5109**	**12.5109**	**7.0000e-004**	**0.0000**	**12.5286**

3.6 Architectural Coating - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0131	8.6700e-003	0.1045	3.6000e-004	0.0414	2.9000e-004	0.0417	0.0110	2.7000e-004	0.0113	0.0000	32.3982	32.3982	7.2000e-004	0.0000	32.4163
Total	**0.0131**	**8.6700e-003**	**0.1045**	**3.6000e-004**	**0.0414**	**2.9000e-004**	**0.0417**	**0.0110**	**2.7000e-004**	**0.0113**	**0.0000**	**32.3982**	**32.3982**	**7.2000e-004**	**0.0000**	**32.4163**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.2060					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.8600e-003	0.0597	0.0887	1.5000e-004		2.9800e-003	2.9800e-003		2.9800e-003	2.9800e-003	0.0000	12.5109	12.5109	7.0000e-004	0.0000	12.5285
Total	**0.2149**	**0.0597**	**0.0887**	**1.5000e-004**		**2.9800e-003**	**2.9800e-003**		**2.9800e-003**	**2.9800e-003**	**0.0000**	**12.5109**	**12.5109**	**7.0000e-004**	**0.0000**	**12.5285**

3.6 Architectural Coating - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0131	8.6700e-003	0.1045	3.6000e-004	0.0414	2.9000e-004	0.0417	0.0110	2.7000e-004	0.0113	0.0000	32.3982	32.3982	7.2000e-004	0.0000	32.4163
Total	**0.0131**	**8.6700e-003**	**0.1045**	**3.6000e-004**	**0.0414**	**2.9000e-004**	**0.0417**	**0.0110**	**2.7000e-004**	**0.0113**	**0.0000**	**32.3982**	**32.3982**	**7.2000e-004**	**0.0000**	**32.4163**

3.7 Paving - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0386	0.3545	0.5424	8.5000e-004		0.0175	0.0175		0.0162	0.0162	0.0000	74.5133	74.5133	0.0219	0.0000	75.0595
Paving	9.6900e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0483**	**0.3545**	**0.5424**	**8.5000e-004**		**0.0175**	**0.0175**		**0.0162**	**0.0162**	**0.0000**	**74.5133**	**74.5133**	**0.0219**	**0.0000**	**75.0595**

3.7 Paving - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.1400e-003	2.7300e-003	0.0329	1.1000e-004	0.0243	9.0000e-005	0.0244	6.2300e-003	8.0000e-005	6.3200e-003	0.0000	10.2012	10.2012	2.3000e-004	0.0000	10.2069
Total	**4.1400e-003**	**2.7300e-003**	**0.0329**	**1.1000e-004**	**0.0243**	**9.0000e-005**	**0.0244**	**6.2300e-003**	**8.0000e-005**	**6.3200e-003**	**0.0000**	**10.2012**	**10.2012**	**2.3000e-004**	**0.0000**	**10.2069**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0386	0.3545	0.5424	8.5000e-004		0.0175	0.0175		0.0162	0.0162	0.0000	74.5132	74.5132	0.0219	0.0000	75.0594
Paving	9.6900e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0483**	**0.3545**	**0.5424**	**8.5000e-004**		**0.0175**	**0.0175**		**0.0162**	**0.0162**	**0.0000**	**74.5132**	**74.5132**	**0.0219**	**0.0000**	**75.0594**

3.7 Paving - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.1400e-003	2.7300e-003	0.0329	1.1000e-004	0.0243	9.0000e-005	0.0244	6.2300e-003	8.0000e-005	6.3200e-003	0.0000	10.2012	10.2012	2.3000e-004	0.0000	10.2069
Total	**4.1400e-003**	**2.7300e-003**	**0.0329**	**1.1000e-004**	**0.0243**	**9.0000e-005**	**0.0244**	**6.2300e-003**	**8.0000e-005**	**6.3200e-003**	**0.0000**	**10.2012**	**10.2012**	**2.3000e-004**	**0.0000**	**10.2069**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Increase Density

Increase Diversity

Improve Destination Accessibility

Increase Transit Accessibility

Improve Pedestrian Network

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.7127	3.3306	6.4788	0.0234	1.9874	0.0181	2.0055	0.5324	0.0168	0.5492	0.0000	2,169.1240	2,169.1240	0.1098	0.0000	2,171.8700
Unmitigated	0.8925	4.3333	11.0314	0.0452	4.1354	0.0333	4.1687	1.1078	0.0309	1.1387	0.0000	4,184.5391	4,184.5391	0.1868	0.0000	4,189.2096

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
Condo/Townhouse	2,034.96	1,576.26	1345.52	6,393,286	3,072,477
Other Asphalt Surfaces	0.00	0.00	0.00		
Single Family Housing	113.28	118.92	103.44	385,045	185,044
Strip Mall	2,651.10	1,261.20	612.90	4,112,215	1,976,243
Total	4,799.34	2,956.38	2,061.86	10,890,546	5,233,764

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
Condo/Townhouse	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Single Family Housing	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Strip Mall	16.60	8.40	6.90	16.60	64.40	19.00	45	40	15

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.553907	0.042339	0.204535	0.114490	0.014186	0.005810	0.021866	0.032691	0.002129	0.001663	0.004844	0.000713	0.000827
Condo/Townhouse	0.553907	0.042339	0.204535	0.114490	0.014186	0.005810	0.021866	0.032691	0.002129	0.001663	0.004844	0.000713	0.000827
Other Asphalt Surfaces	0.553907	0.042339	0.204535	0.114490	0.014186	0.005810	0.021866	0.032691	0.002129	0.001663	0.004844	0.000713	0.000827
Single Family Housing	0.553907	0.042339	0.204535	0.114490	0.014186	0.005810	0.021866	0.032691	0.002129	0.001663	0.004844	0.000713	0.000827
Strip Mall	0.553907	0.042339	0.204535	0.114490	0.014186	0.005810	0.021866	0.032691	0.002129	0.001663	0.004844	0.000713	0.000827

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

Percent of Electricity Use Generated with Renewable Energy

Walnut Specific Plan - South Coast Air Basin, 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	231.0439	231.0439	0.0000	0.0000	231.0439
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	390.6616	390.6616	0.0000	0.0000	390.6616
NaturalGas Mitigated	0.0225	0.1922	0.0826	1.2300e-003		0.0155	0.0155		0.0155	0.0155	0.0000	222.3992	222.3992	4.2600e-003	4.0800e-003	223.7208
NaturalGas Unmitigated	0.0278	0.2376	0.1021	1.5200e-003		0.0192	0.0192		0.0192	0.0192	0.0000	275.0359	275.0359	5.2700e-003	5.0400e-003	276.6703

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
Condo/Townhouse	4.77508e+006	0.0258	0.2200	0.0936	1.4000e-003		0.0178	0.0178		0.0178	0.0178	0.0000	254.8167	254.8167	4.8800e-003	4.6700e-003	256.3309
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	329695	1.7800e-003	0.0152	6.4600e-003	1.0000e-004		1.2300e-003	1.2300e-003		1.2300e-003	1.2300e-003	0.0000	17.5938	17.5938	3.4000e-004	3.2000e-004	17.6983
Strip Mall	49200	2.7000e-004	2.4100e-003	2.0300e-003	1.0000e-005		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004	0.0000	2.6255	2.6255	5.0000e-005	5.0000e-005	2.6411
Total		**0.0278**	**0.2376**	**0.1021**	**1.5100e-003**		**0.0192**	**0.0192**		**0.0192**	**0.0192**	**0.0000**	**275.0359**	**275.0359**	**5.2700e-003**	**5.0400e-003**	**276.6703**

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
Condo/Townhouse	3.87498e+006	0.0209	0.1786	0.0760	1.1400e-003		0.0144	0.0144		0.0144	0.0144	0.0000	206.7839	206.7839	3.9600e-003	3.7900e-003	208.0127
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	253769	1.3700e-003	0.0117	4.9800e-003	7.0000e-005		9.5000e-004	9.5000e-004		9.5000e-004	9.5000e-004	0.0000	13.5421	13.5421	2.6000e-004	2.5000e-004	13.6226
Strip Mall	38850	2.1000e-004	1.9000e-003	1.6000e-003	1.0000e-005		1.4000e-004	1.4000e-004		1.4000e-004	1.4000e-004	0.0000	2.0732	2.0732	4.0000e-005	4.0000e-005	2.0855
Total		**0.0225**	**0.1921**	**0.0826**	**1.2200e-003**		**0.0155**	**0.0155**		**0.0155**	**0.0155**	**0.0000**	**222.3992**	**222.3992**	**4.2600e-003**	**4.0800e-003**	**223.7208**

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
Condo/Townhouse	1.4011e+006	287.3866	0.0000	0.0000	287.3866
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	98499.5	20.2037	0.0000	0.0000	20.2037
Strip Mall	405000	83.0714	0.0000	0.0000	83.0714
Total		**390.6616**	**0.0000**	**0.0000**	**390.6616**

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
Condo/Townhouse	842268	172.7614	0.0000	0.0000	172.7614
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	59110.8	12.1245	0.0000	0.0000	12.1245
Strip Mall	225035	46.1580	0.0000	0.0000	46.1580
Total		**231.0439**	**0.0000**	**0.0000**	**231.0439**

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

Use only Natural Gas Hearths

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	1.4095	0.0794	3.0075	4.5000e-004		0.0202	0.0202		0.0202	0.0202	0.0000	56.9960	56.9960	5.6800e-003	9.6000e-004	57.4226
Unmitigated	1.4095	0.0794	3.0075	4.5000e-004		0.0202	0.0202		0.0202	0.0202	0.0000	56.9960	56.9960	5.6800e-003	9.6000e-004	57.4226

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.1028					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.2117					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	5.2700e-003	0.0450	0.0192	2.9000e-004		3.6400e-003	3.6400e-003		3.6400e-003	3.6400e-003	0.0000	52.1098	52.1098	1.0000e-003	9.6000e-004	52.4194
Landscaping	0.0898	0.0344	2.9883	1.6000e-004		0.0166	0.0166		0.0166	0.0166	0.0000	4.8862	4.8862	4.6800e-003	0.0000	5.0032
Total	**1.4095**	**0.0794**	**3.0075**	**4.5000e-004**		**0.0202**	**0.0202**		**0.0202**	**0.0202**	**0.0000**	**56.9960**	**56.9960**	**5.6800e-003**	**9.6000e-004**	**57.4226**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.1028					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.2117					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	5.2700e-003	0.0450	0.0192	2.9000e-004		3.6400e-003	3.6400e-003		3.6400e-003	3.6400e-003	0.0000	52.1098	52.1098	1.0000e-003	9.6000e-004	52.4194
Landscaping	0.0898	0.0344	2.9883	1.6000e-004		0.0166	0.0166		0.0166	0.0166	0.0000	4.8862	4.8862	4.6800e-003	0.0000	5.0032
Total	**1.4095**	**0.0794**	**3.0075**	**4.5000e-004**		**0.0202**	**0.0202**		**0.0202**	**0.0202**	**0.0000**	**56.9960**	**56.9960**	**5.6800e-003**	**9.6000e-004**	**57.4226**

7.0 Water Detail

7.1 Mitigation Measures Water

Use Reclaimed Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

Use Water Efficient Irrigation System

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	71.0025	0.5505	0.0130	88.6377
Unmitigated	99.8633	0.6881	0.0163	121.9073

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 2.85956	6.5164	0.0000	0.0000	6.5164
Condo/Townhouse	18.1128 / 11.419	80.1438	0.5902	0.0139	99.0519
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	0.781848 / 0.492904	3.4594	0.0255	6.0000e-004	4.2756
Strip Mall	2.22218 / 1.36198	9.7437	0.0724	1.7100e-003	12.0634
Total		**99.8633**	**0.6881**	**0.0163**	**121.9073**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 1.59633	3.6378	0.0000	0.0000	3.6378
Condo/Townhouse	14.4903 / 6.37457	57.8241	0.4722	0.0112	72.9506
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	0.625479 / 0.275161	2.4960	0.0204	4.8000e-004	3.1490
Strip Mall	1.77774 / 0.760317	7.0446	0.0579	1.3700e-003	8.9004
Total		**71.0025**	**0.5505**	**0.0130**	**88.6377**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	35.2250	2.0817	0.0000	87.2685
Unmitigated	35.2250	2.0817	0.0000	87.2685

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0.21	0.0426	2.5200e-003	0.0000	0.1056
Condo/Townhouse	127.88	25.9585	1.5341	0.0000	64.3111
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	13.94	2.8297	0.1672	0.0000	7.0105
Strip Mall	31.5	6.3942	0.3779	0.0000	15.8414
Total		**35.2250**	**2.0817**	**0.0000**	**87.2685**

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0.21	0.0426	2.5200e-003	0.0000	0.1056
Condo/Townhouse	127.88	25.9585	1.5341	0.0000	64.3111
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	13.94	2.8297	0.1672	0.0000	7.0105
Strip Mall	31.5	6.3942	0.3779	0.0000	15.8414
Total		**35.2250**	**2.0817**	**0.0000**	**87.2685**

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Walnut Specific Plan

South Coast Air Basin, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	7.00	Acre	7.40	304,920.00	0
City Park	2.40	Acre	2.40	104,544.00	0
Condo/Townhouse	278.00	Dwelling Unit	20.60	278,000.00	795
Single Family Housing	12.00	Dwelling Unit	2.60	21,600.00	34
Strip Mall	30.00	1000sqft	3.00	30,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	31
Climate Zone	9			**Operational Year**	2025
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	452.2	**CH4 Intensity (lb/MWhr)**	0	**N2O Intensity (lb/MWhr)**	0

1.3 User Entered Comments & Non-Default Data

Project Characteristics - SCE 2017 report

Land Use - Lot acreage changed per project descrip/Specific Plan details

Construction Phase - Arch. coating changed to overlap with bldg. construc. and end on build-out date. Site prep to begin Dec. 2019. per project descrip. Schedule provided by Construc. Mgr. Grading II is sewer line install.

Off-road Equipment -

Off-road Equipment - Sewer line install. Equip list provided by Shea Homes

Off-road Equipment -

Trips and VMT - Assuming tandem truck combined capacity of 28 CY per truck, 14 cy per bed, haul to and from.

Grading - Grading amt per project descrip. in Initial Study, 250 cy for sewer line

Architectural Coating - Per SCAQMD Rule 113 for non-flat coatings (50g/L)

Vehicle Trips - Parks within project site would be private and open space/landscaping would not generate trips. Wkdy trip gen provided by Ganddini Group.

Woodstoves - Per details, 217 gas burning fireplaces (213 single family units and 4 community). If up to 290 total, 73 no fireplace in townhomes. Per SCAQMD Rule 445 prohibiting wood-burning hearths in new residential development

Area Coating - Per SCAQMD Rule 1113 for nonflat coatings (50g/L)

Energy Use -

Water And Wastewater -

Solid Waste -

Construction Off-road Equipment Mitigation - Per SCAQMD Rule 403 requiring twice daily watering for fugitive dust mitigation

Mobile Land Use Mitigation - 12.5 units/resid. acre; 23.7 jobs/job-acre; destin. access. 0.06; transit access. 0.25; pedest. network: project site and connecting

Mobile Commute Mitigation -

Area Mitigation - Per SCAQMD Rule 1113 for nonflat coatings (50g/L)

Energy Mitigation - 39% on-site gener. per 80% resid. electr. use and 50% solar on resid.; 30% above Title 24 2016 to meet Title 24 2019 commerc. and resid.

Water Mitigation - Assumed 50% of outdoor water use would be reclaimed, indoor water use would use water efficient fittings, and water irrigation

Waste Mitigation - Recycling & Composting

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00

tblArchitecturalCoating	EF_Parking	100.00	50.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	100	50
tblAreaCoating	Area_EF_Nonresidential_Interior	100	50
tblAreaCoating	Area_EF_Parking	100	50
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstructionPhase	NumDays	30.00	46.00
tblConstructionPhase	NumDays	75.00	129.00
tblConstructionPhase	NumDays	75.00	10.00
tblConstructionPhase	NumDays	740.00	978.00
tblConstructionPhase	NumDays	55.00	489.00
tblConstructionPhase	NumDays	55.00	66.00
tblFireplaces	NumberGas	236.30	4.00
tblFireplaces	NumberGas	10.20	213.00
tblFireplaces	NumberNoFireplace	27.80	73.00
tblFireplaces	NumberNoFireplace	1.20	0.00
tblFireplaces	NumberWood	13.90	0.00
tblFireplaces	NumberWood	0.60	0.00
tblGrading	AcresOfGrading	322.50	187.50
tblGrading	MaterialExported	0.00	85,250.00
tblLandUse	LotAcreage	7.00	7.40
tblLandUse	LotAcreage	17.38	20.60
tblLandUse	LotAcreage	3.90	2.60
tblLandUse	LotAcreage	0.69	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	PhaseName		Grading II
tblOffRoadEquipment	PhaseName		Grading II

tblProjectCharacteristics	CH4IntensityFactor	0.029	0
tblProjectCharacteristics	CO2IntensityFactor	702.44	452.2
tblProjectCharacteristics	N2OIntensityFactor	0.006	0
tblTripsAndVMT	HaulingTripLength	20.00	0.00
tblTripsAndVMT	HaulingTripNumber	10,656.00	6,089.00
tblTripsAndVMT	VendorTripLength	6.90	0.00
tblTripsAndVMT	WorkerTripLength	14.70	0.00
tblTripsAndVMT	WorkerTripNumber	10.00	0.00
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	5.81	7.32
tblVehicleTrips	WD_TR	9.52	9.44
tblVehicleTrips	WD_TR	44.32	88.37
tblWoodstoves	NumberCatalytic	13.90	0.00
tblWoodstoves	NumberCatalytic	0.60	0.00
tblWoodstoves	NumberNoncatalytic	13.90	0.00
tblWoodstoves	NumberNoncatalytic	0.60	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2019	4.4224	45.6339	22.8693	0.0401	18.2675	2.3919	20.6594	9.9840	2.2006	12.1846	0.0000	3,978.9180	3,978.9180	1.1983	0.0000	4,008.8761
2020	6.0711	74.4069	44.1284	0.1211	18.2675	2.7325	20.4664	9.9840	2.5168	12.0071	0.0000	12,151.9899	12,151.9899	2.8449	0.0000	12,223.1123
2021	3.8062	28.3498	33.4634	0.0959	4.9736	1.0107	5.9843	1.3340	0.9500	2.2839	0.0000	9,614.6519	9,614.6519	0.9036	0.0000	9,637.2423
2022	8.2053	27.5351	36.5209	0.1053	5.8343	0.9455	6.7798	1.5622	0.8939	2.4561	0.0000	10,541.4233	10,541.4233	0.9217	0.0000	10,564.4649
2023	7.8802	23.7843	34.9478	0.1026	5.8343	0.8149	6.6492	1.5622	0.7703	2.3326	0.0000	10,272.4045	10,272.4045	0.8845	0.0000	10,294.5178
2024	7.6722	22.6486	33.8275	0.1009	5.8343	0.7180	6.5523	1.5622	0.6784	2.2406	0.0000	10,106.3255	10,106.3255	0.8685	0.0000	10,128.0380
Maximum	**8.2053**	**74.4069**	**44.1284**	**0.1211**	**18.2675**	**2.7325**	**20.6594**	**9.9840**	**2.5168**	**12.1846**	**0.0000**	**12,151.9899**	**12,151.9899**	**2.8449**	**0.0000**	**12,223.1123**

2.1 Overall Construction (Maximum Daily Emission)

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2019	4.4224	45.6339	22.8693	0.0401	8.3310	2.3919	10.7230	4.5222	2.2006	6.7228	0.0000	3,978.9180	3,978.9180	1.1983	0.0000	4,008.8761
2020	6.0711	74.4069	44.1284	0.1211	8.3310	2.7325	10.5300	4.5222	2.5168	6.5452	0.0000	12,151.9899	12,151.9899	2.8449	0.0000	12,223.1123
2021	3.8062	28.3498	33.4634	0.0959	4.9736	1.0107	5.9843	1.3340	0.9500	2.2839	0.0000	9,614.6519	9,614.6519	0.9036	0.0000	9,637.2423
2022	8.2053	27.5351	36.5209	0.1053	5.8343	0.9455	6.7798	1.5622	0.8939	2.4561	0.0000	10,541.4233	10,541.4233	0.9217	0.0000	10,564.4649
2023	7.8802	23.7843	34.9478	0.1026	5.8343	0.8149	6.6492	1.5622	0.7703	2.3326	0.0000	10,272.4045	10,272.4045	0.8845	0.0000	10,294.5178
2024	7.6722	22.6486	33.8275	0.1009	5.8343	0.7180	6.5523	1.5622	0.6784	2.2406	0.0000	10,106.3255	10,106.3255	0.8685	0.0000	10,128.0380
Maximum	**8.2053**	**74.4069**	**44.1284**	**0.1211**	**8.3310**	**2.7325**	**10.7230**	**4.5222**	**2.5168**	**6.7228**	**0.0000**	**12,151.9899**	**12,151.9899**	**2.8449**	**0.0000**	**12,223.1123**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**33.68**	**0.00**	**29.62**	**42.03**	**0.00**	**32.60**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	8.3421	3.8750	25.4385	0.0242		0.4237	0.4237		0.4237	0.4237	0.0000	4,638.3829	4,638.3829	0.1294	0.0843	4,666.7224
Energy	0.1523	1.3021	0.5596	8.3100e-003		0.1052	0.1052		0.1052	0.1052		1,661.2341	1,661.2341	0.0318	0.0305	1,671.1060
Mobile	6.0853	26.5699	72.2184	0.2942	26.3584	0.2085	26.5669	7.0503	0.1936	7.2439		30,028.6536	30,028.6536	1.2978		30,061.0973
Total	**14.5797**	**31.7470**	**98.2165**	**0.3268**	**26.3584**	**0.7374**	**27.0957**	**7.0503**	**0.7225**	**7.7728**	**0.0000**	**36,328.2706**	**36,328.2706**	**1.4589**	**0.1147**	**36,398.9256**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	8.3421	3.8750	25.4385	0.0242		0.4237	0.4237		0.4237	0.4237	0.0000	4,638.3829	4,638.3829	0.1294	0.0843	4,666.7224
Energy	0.1231	1.0529	0.4524	6.7200e-003		0.0851	0.0851		0.0851	0.0851		1,343.3048	1,343.3048	0.0258	0.0246	1,351.2874
Mobile	4.9402	20.7723	41.2378	0.1524	12.6673	0.1135	12.7807	3.3882	0.1053	3.4935		15,589.3623	15,589.3623	0.7555		15,608.2492
Total	**13.4054**	**25.7002**	**67.1286**	**0.1834**	**12.6673**	**0.6222**	**13.2895**	**3.3882**	**0.6140**	**4.0023**	**0.0000**	**21,571.0500**	**21,571.0500**	**0.9106**	**0.1089**	**21,626.2590**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**8.05**	**19.05**	**31.65**	**43.89**	**51.94**	**15.62**	**50.95**	**51.94**	**15.01**	**48.51**	**0.00**	**40.62**	**40.62**	**37.59**	**5.08**	**40.59**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	12/15/2019	2/17/2020	5	46	
2	Grading	Grading	2/18/2020	8/14/2020	5	129	
3	Grading II	Grading	2/18/2020	3/2/2020	5	10	
4	Building Construction	Building Construction	8/15/2020	5/15/2024	5	978	
5	Architectural Coating	Architectural Coating	7/1/2022	5/15/2024	5	489	
6	Paving	Paving	5/16/2024	8/15/2024	5	66	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 187.5

Acres of Paving: 7.4

Residential Indoor: 606,690; Residential Outdoor: 202,230; Non-Residential Indoor: 45,000; Non-Residential Outdoor: 15,000; Striped Parking Area: 18,295 (Architectural Coating – sqft)

OffRoad Equipment

Walnut Specific Plan - South Coast Air Basin, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Grading II	Dumpers/Tenders	1	8.00	16	0.38
Grading II	Off-Highway Trucks	1	8.00	402	0.38
Grading II	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Air Compressors	1	6.00	78	0.48
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

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	6,089.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	386.00	103.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	77.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading II	4	0.00	0.00	0.00	0.00	0.00	0.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Site Preparation - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.3350	45.5727	22.0630	0.0380		2.3904	2.3904		2.1991	2.1991		3,766.4529	3,766.4529	1.1917		3,796.2445
Total	**4.3350**	**45.5727**	**22.0630**	**0.0380**	**18.0663**	**2.3904**	**20.4566**	**9.9307**	**2.1991**	**12.1298**		**3,766.4529**	**3,766.4529**	**1.1917**		**3,796.2445**

3.2 Site Preparation - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0874	0.0612	0.8063	2.1300e-003	0.2012	1.5700e-003	0.2028	0.0534	1.4500e-003	0.0548		212.4651	212.4651	6.6600e-003		212.6315
Total	**0.0874**	**0.0612**	**0.8063**	**2.1300e-003**	**0.2012**	**1.5700e-003**	**0.2028**	**0.0534**	**1.4500e-003**	**0.0548**		**212.4651**	**212.4651**	**6.6600e-003**		**212.6315**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.1298	0.0000	8.1298	4.4688	0.0000	4.4688			0.0000			0.0000
Off-Road	4.3350	45.5727	22.0630	0.0380		2.3904	2.3904		2.1991	2.1991	0.0000	3,766.4529	3,766.4529	1.1917		3,796.2445
Total	**4.3350**	**45.5727**	**22.0630**	**0.0380**	**8.1298**	**2.3904**	**10.5202**	**4.4688**	**2.1991**	**6.6679**	**0.0000**	**3,766.4529**	**3,766.4529**	**1.1917**		**3,796.2445**

3.2 Site Preparation - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0874	0.0612	0.8063	2.1300e-003	0.2012	1.5700e-003	0.2028	0.0534	1.4500e-003	0.0548		212.4651	212.4651	6.6600e-003		212.6315
Total	**0.0874**	**0.0612**	**0.8063**	**2.1300e-003**	**0.2012**	**1.5700e-003**	**0.2028**	**0.0534**	**1.4500e-003**	**0.0548**		**212.4651**	**212.4651**	**6.6600e-003**		**212.6315**

3.2 Site Preparation - 2020

Unmitigated Construction On-Site

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

3.2 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	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0807	0.0546	0.7336	2.0700e-003	0.2012	1.5300e-003	0.2027	0.0534	1.4100e-003	0.0548		205.8905	205.8905	5.9300e-003		206.0389
Total	**0.0807**	**0.0546**	**0.7336**	**2.0700e-003**	**0.2012**	**1.5300e-003**	**0.2027**	**0.0534**	**1.4100e-003**	**0.0548**		**205.8905**	**205.8905**	**5.9300e-003**		**206.0389**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.1298	0.0000	8.1298	4.4688	0.0000	4.4688			0.0000			0.0000
Off-Road	4.0765	42.4173	21.5136	0.0380		2.1974	2.1974		2.0216	2.0216	0.0000	3,685.1016	3,685.1016	1.1918		3,714.8975
Total	**4.0765**	**42.4173**	**21.5136**	**0.0380**	**8.1298**	**2.1974**	**10.3272**	**4.4688**	**2.0216**	**6.4904**	**0.0000**	**3,685.1016**	**3,685.1016**	**1.1918**		**3,714.8975**

3.2 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	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0807	0.0546	0.7336	2.0700e-003	0.2012	1.5300e-003	0.2027	0.0534	1.4100e-003	0.0548		205.8905	205.8905	5.9300e-003		206.0389
Total	**0.0807**	**0.0546**	**0.7336**	**2.0700e-003**	**0.2012**	**1.5300e-003**	**0.2027**	**0.0534**	**1.4100e-003**	**0.0548**		**205.8905**	**205.8905**	**5.9300e-003**		**206.0389**

3.3 Grading - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.6383	0.0000	7.6383	3.4880	0.0000	3.4880			0.0000			0.0000
Off-Road	4.4501	50.1975	31.9583	0.0620		2.1739	2.1739		2.0000	2.0000		6,005.8653	6,005.8653	1.9424		6,054.4257
Total	**4.4501**	**50.1975**	**31.9583**	**0.0620**	**7.6383**	**2.1739**	**9.8122**	**3.4880**	**2.0000**	**5.4880**		**6,005.8653**	**6,005.8653**	**1.9424**		**6,054.4257**

3.3 Grading - 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	lb/day										lb/day					
Hauling	0.3757	13.1507	2.7347	0.0367	0.8244	0.0426	0.8670	0.2259	0.0407	0.2666		3,976.2580	3,976.2580	0.2813		3,983.2896
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0897	0.0607	0.8152	2.3000e-003	0.2236	1.7100e-003	0.2253	0.0593	1.5700e-003	0.0609		228.7673	228.7673	6.5900e-003		228.9321
Total	**0.4654**	**13.2114**	**3.5498**	**0.0390**	**1.0480**	**0.0443**	**1.0922**	**0.2852**	**0.0423**	**0.3275**		**4,205.0253**	**4,205.0253**	**0.2879**		**4,212.2217**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.4372	0.0000	3.4372	1.5696	0.0000	1.5696			0.0000			0.0000
Off-Road	4.4501	50.1975	31.9583	0.0620		2.1739	2.1739		2.0000	2.0000	0.0000	6,005.8653	6,005.8653	1.9424		6,054.4257
Total	**4.4501**	**50.1975**	**31.9583**	**0.0620**	**3.4372**	**2.1739**	**5.6111**	**1.5696**	**2.0000**	**3.5696**	**0.0000**	**6,005.8653**	**6,005.8653**	**1.9424**		**6,054.4257**

3.3 Grading - 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	lb/day										lb/day					
Hauling	0.3757	13.1507	2.7347	0.0367	0.8244	0.0426	0.8670	0.2259	0.0407	0.2666		3,976.2580	3,976.2580	0.2813		3,983.2896
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0897	0.0607	0.8152	2.3000e-003	0.2236	1.7100e-003	0.2253	0.0593	1.5700e-003	0.0609		228.7673	228.7673	6.5900e-003		228.9321
Total	**0.4654**	**13.2114**	**3.5498**	**0.0390**	**1.0480**	**0.0443**	**1.0922**	**0.2852**	**0.0423**	**0.3275**		**4,205.0253**	**4,205.0253**	**0.2879**		**4,212.2217**

3.4 Grading II - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	1.1556	10.9980	8.6203	0.0202		0.5143	0.5143		0.4746	0.4746		1,941.0993	1,941.0993	0.6146		1,956.4649
Total	**1.1556**	**10.9980**	**8.6203**	**0.0202**	**0.0000**	**0.5143**	**0.5143**	**0.0000**	**0.4746**	**0.4746**		**1,941.0993**	**1,941.0993**	**0.6146**		**1,956.4649**

3.4 Grading II - 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	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	1.1556	10.9980	8.6203	0.0202		0.5143	0.5143		0.4746	0.4746	0.0000	1,941.0993	1,941.0993	0.6146		1,956.4649
Total	**1.1556**	**10.9980**	**8.6203**	**0.0202**	**0.0000**	**0.5143**	**0.5143**	**0.0000**	**0.4746**	**0.4746**	**0.0000**	**1,941.0993**	**1,941.0993**	**0.6146**		**1,956.4649**

3.4 Grading II - 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	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

3.5 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	lb/day										lb/day					
Off-Road	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503		2,553.0631	2,553.0631	0.6229		2,568.6345
Total	**2.1198**	**19.1860**	**16.8485**	**0.0269**		**1.1171**	**1.1171**		**1.0503**	**1.0503**		**2,553.0631**	**2,553.0631**	**0.6229**		**2,568.6345**

3.5 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	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3419	10.8482	2.6388	0.0263	0.6591	0.0537	0.7128	0.1897	0.0514	0.2411		2,809.7505	2,809.7505	0.1798		2,814.2465
Worker	1.7314	1.1705	15.7326	0.0443	4.3146	0.0329	4.3475	1.1442	0.0303	1.1746		4,415.2082	4,415.2082	0.1272		4,418.3892
Total	**2.0734**	**12.0186**	**18.3714**	**0.0706**	**4.9736**	**0.0866**	**5.0603**	**1.3340**	**0.0817**	**1.4157**		**7,224.9587**	**7,224.9587**	**0.3071**		**7,232.6358**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503	0.0000	2,553.0631	2,553.0631	0.6229		2,568.6345
Total	**2.1198**	**19.1860**	**16.8485**	**0.0269**		**1.1171**	**1.1171**		**1.0503**	**1.0503**	**0.0000**	**2,553.0631**	**2,553.0631**	**0.6229**		**2,568.6345**

3.5 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	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3419	10.8482	2.6388	0.0263	0.6591	0.0537	0.7128	0.1897	0.0514	0.2411		2,809.7505	2,809.7505	0.1798		2,814.2465
Worker	1.7314	1.1705	15.7326	0.0443	4.3146	0.0329	4.3475	1.1442	0.0303	1.1746		4,415.2082	4,415.2082	0.1272		4,418.3892
Total	**2.0734**	**12.0186**	**18.3714**	**0.0706**	**4.9736**	**0.0866**	**5.0603**	**1.3340**	**0.0817**	**1.4157**		**7,224.9587**	**7,224.9587**	**0.3071**		**7,232.6358**

3.5 Building Construction - 2021

Unmitigated Construction On-Site

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

3.5 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	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2898	9.8640	2.3951	0.0261	0.6591	0.0201	0.6792	0.1897	0.0193	0.2090		2,788.6606	2,788.6606	0.1724		2,792.9717
Worker	1.6155	1.0537	14.4931	0.0429	4.3146	0.0319	4.3465	1.1442	0.0294	1.1737		4,272.6274	4,272.6274	0.1152		4,275.5063
Total	**1.9052**	**10.9177**	**16.8882**	**0.0689**	**4.9736**	**0.0521**	**5.0257**	**1.3340**	**0.0487**	**1.3826**		**7,061.2880**	**7,061.2880**	**0.2876**		**7,068.4780**

Mitigated Construction On-Site

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

3.5 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	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2898	9.8640	2.3951	0.0261	0.6591	0.0201	0.6792	0.1897	0.0193	0.2090		2,788.6606	2,788.6606	0.1724		2,792.9717
Worker	1.6155	1.0537	14.4931	0.0429	4.3146	0.0319	4.3465	1.1442	0.0294	1.1737		4,272.6274	4,272.6274	0.1152		4,275.5063
Total	**1.9052**	**10.9177**	**16.8882**	**0.0689**	**4.9736**	**0.0521**	**5.0257**	**1.3340**	**0.0487**	**1.3826**		**7,061.2880**	**7,061.2880**	**0.2876**		**7,068.4780**

3.5 Building Construction - 2022

Unmitigated Construction On-Site

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

3.5 Building Construction - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2719	9.3692	2.2678	0.0258	0.6591	0.0175	0.6766	0.1897	0.0168	0.2065		2,764.2133	2,764.2133	0.1665		2,768.3763
Worker	1.5155	0.9519	13.4026	0.0413	4.3146	0.0310	4.3456	1.1442	0.0286	1.1728		4,119.6357	4,119.6357	0.1041		4,122.2384
Total	**1.7874**	**10.3211**	**15.6703**	**0.0672**	**4.9736**	**0.0485**	**5.0222**	**1.3340**	**0.0453**	**1.3793**		**6,883.8491**	**6,883.8491**	**0.2706**		**6,890.6147**

Mitigated Construction On-Site

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

3.5 Building Construction - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2719	9.3692	2.2678	0.0258	0.6591	0.0175	0.6766	0.1897	0.0168	0.2065		2,764.2133	2,764.2133	0.1665		2,768.3763
Worker	1.5155	0.9519	13.4026	0.0413	4.3146	0.0310	4.3456	1.1442	0.0286	1.1728		4,119.6357	4,119.6357	0.1041		4,122.2384
Total	**1.7874**	**10.3211**	**15.6703**	**0.0672**	**4.9736**	**0.0485**	**5.0222**	**1.3340**	**0.0453**	**1.3793**		**6,883.8491**	**6,883.8491**	**0.2706**		**6,890.6147**

3.5 Building Construction - 2023

Unmitigated Construction On-Site

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

3.5 Building Construction - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2017	7.0632	2.0470	0.0250	0.6591	8.0900e-003	0.6672	0.1897	7.7300e-003	0.1975		2,678.3756	2,678.3756	0.1472		2,682.0557
Worker	1.4250	0.8614	12.3767	0.0398	4.3146	0.0302	4.3448	1.1442	0.0278	1.1721		3,966.1883	3,966.1883	0.0939		3,968.5361
Total	**1.6267**	**7.9246**	**14.4238**	**0.0648**	**4.9736**	**0.0383**	**5.0119**	**1.3340**	**0.0356**	**1.3695**		**6,644.5639**	**6,644.5639**	**0.2411**		**6,650.5917**

Mitigated Construction On-Site

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

3.5 Building Construction - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2017	7.0632	2.0470	0.0250	0.6591	8.0900e-003	0.6672	0.1897	7.7300e-003	0.1975		2,678.3756	2,678.3756	0.1472		2,682.0557
Worker	1.4250	0.8614	12.3767	0.0398	4.3146	0.0302	4.3448	1.1442	0.0278	1.1721		3,966.1883	3,966.1883	0.0939		3,968.5361
Total	**1.6267**	**7.9246**	**14.4238**	**0.0648**	**4.9736**	**0.0383**	**5.0119**	**1.3340**	**0.0356**	**1.3695**		**6,644.5639**	**6,644.5639**	**0.2411**		**6,650.5917**

3.5 Building Construction - 2024

Unmitigated Construction On-Site

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

3.5 Building Construction - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1973	7.0445	1.9889	0.0249	0.6591	8.0000e-003	0.6671	0.1897	7.6500e-003	0.1974		2,668.5555	2,668.5555	0.1451		2,672.1820
Worker	1.3487	0.7850	11.5563	0.0385	4.3146	0.0298	4.3444	1.1442	0.0274	1.1717		3,835.5087	3,835.5087	0.0861		3,837.6604
Total	**1.5461**	**7.8295**	**13.5452**	**0.0633**	**4.9737**	**0.0378**	**5.0115**	**1.3340**	**0.0351**	**1.3691**		**6,504.0642**	**6,504.0642**	**0.2311**		**6,509.8424**

Mitigated Construction On-Site

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

3.5 Building Construction - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1973	7.0445	1.9889	0.0249	0.6591	8.0000e-003	0.6671	0.1897	7.6500e-003	0.1974		2,668.5555	2,668.5555	0.1451		2,672.1820
Worker	1.3487	0.7850	11.5563	0.0385	4.3146	0.0298	4.3444	1.1442	0.0274	1.1717		3,835.5087	3,835.5087	0.0861		3,837.6604
Total	**1.5461**	**7.8295**	**13.5452**	**0.0633**	**4.9737**	**0.0378**	**5.0115**	**1.3340**	**0.0351**	**1.3691**		**6,504.0642**	**6,504.0642**	**0.2311**		**6,509.8424**

3.6 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	4.2048					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
Total	**4.4093**	**1.4085**	**1.8136**	**2.9700e-003**		**0.0817**	**0.0817**		**0.0817**	**0.0817**		**281.4481**	**281.4481**	**0.0183**		**281.9062**

3.6 Architectural Coating - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.3023	0.1899	2.6736	8.2500e-003	0.8607	6.1900e-003	0.8669	0.2283	5.7000e-003	0.2340		821.7926	821.7926	0.0208		822.3118
Total	**0.3023**	**0.1899**	**2.6736**	**8.2500e-003**	**0.8607**	**6.1900e-003**	**0.8669**	**0.2283**	**5.7000e-003**	**0.2340**		**821.7926**	**821.7926**	**0.0208**		**822.3118**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	4.2048					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062
Total	**4.4093**	**1.4085**	**1.8136**	**2.9700e-003**		**0.0817**	**0.0817**		**0.0817**	**0.0817**	**0.0000**	**281.4481**	**281.4481**	**0.0183**		**281.9062**

3.6 Architectural Coating - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.3023	0.1899	2.6736	8.2500e-003	0.8607	6.1900e-003	0.8669	0.2283	5.7000e-003	0.2340		821.7926	821.7926	0.0208		822.3118
Total	**0.3023**	**0.1899**	**2.6736**	**8.2500e-003**	**0.8607**	**6.1900e-003**	**0.8669**	**0.2283**	**5.7000e-003**	**0.2340**		**821.7926**	**821.7926**	**0.0208**		**822.3118**

3.6 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	4.2048					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690
Total	**4.3964**	**1.3030**	**1.8111**	**2.9700e-003**		**0.0708**	**0.0708**		**0.0708**	**0.0708**		**281.4481**	**281.4481**	**0.0168**		**281.8690**

3.6 Architectural Coating - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2843	0.1718	2.4689	7.9400e-003	0.8607	6.0300e-003	0.8667	0.2283	5.5500e-003	0.2338		791.1826	791.1826	0.0187		791.6510
Total	**0.2843**	**0.1718**	**2.4689**	**7.9400e-003**	**0.8607**	**6.0300e-003**	**0.8667**	**0.2283**	**5.5500e-003**	**0.2338**		**791.1826**	**791.1826**	**0.0187**		**791.6510**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	4.2048					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690
Total	**4.3964**	**1.3030**	**1.8111**	**2.9700e-003**		**0.0708**	**0.0708**		**0.0708**	**0.0708**	**0.0000**	**281.4481**	**281.4481**	**0.0168**		**281.8690**

3.6 Architectural Coating - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2843	0.1718	2.4689	7.9400e-003	0.8607	6.0300e-003	0.8667	0.2283	5.5500e-003	0.2338		791.1826	791.1826	0.0187		791.6510
Total	**0.2843**	**0.1718**	**2.4689**	**7.9400e-003**	**0.8607**	**6.0300e-003**	**0.8667**	**0.2283**	**5.5500e-003**	**0.2338**		**791.1826**	**791.1826**	**0.0187**		**791.6510**

3.6 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	4.2048					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443
Total	**4.3855**	**1.2188**	**1.8101**	**2.9700e-003**		**0.0609**	**0.0609**		**0.0609**	**0.0609**		**281.4481**	**281.4481**	**0.0159**		**281.8443**

3.6 Architectural Coating - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2690	0.1566	2.3053	7.6700e-003	0.8607	5.9400e-003	0.8666	0.2283	5.4700e-003	0.2337		765.1144	765.1144	0.0172		765.5437
Total	**0.2690**	**0.1566**	**2.3053**	**7.6700e-003**	**0.8607**	**5.9400e-003**	**0.8666**	**0.2283**	**5.4700e-003**	**0.2337**		**765.1144**	**765.1144**	**0.0172**		**765.5437**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	4.2048					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.8443
Total	**4.3855**	**1.2188**	**1.8101**	**2.9700e-003**		**0.0609**	**0.0609**		**0.0609**	**0.0609**	**0.0000**	**281.4481**	**281.4481**	**0.0159**		**281.8443**

3.6 Architectural Coating - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2690	0.1566	2.3053	7.6700e-003	0.8607	5.9400e-003	0.8666	0.2283	5.4700e-003	0.2337		765.1144	765.1144	0.0172		765.5437
Total	**0.2690**	**0.1566**	**2.3053**	**7.6700e-003**	**0.8607**	**5.9400e-003**	**0.8666**	**0.2283**	**5.4700e-003**	**0.2337**		**765.1144**	**765.1144**	**0.0172**		**765.5437**

3.7 Paving - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1689	10.7434	16.4359	0.0258		0.5294	0.5294		0.4920	0.4920		2,488.9953	2,488.9953	0.7298		2,507.2406
Paving	0.2938					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.4627**	**10.7434**	**16.4359**	**0.0258**		**0.5294**	**0.5294**		**0.4920**	**0.4920**		**2,488.9953**	**2,488.9953**	**0.7298**		**2,507.2406**

3.7 Paving - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1258	0.0732	1.0778	3.5900e-003	0.7522	2.7800e-003	0.7550	0.1926	2.5600e-003	0.1951		357.7158	357.7158	8.0300e-003		357.9165
Total	**0.1258**	**0.0732**	**1.0778**	**3.5900e-003**	**0.7522**	**2.7800e-003**	**0.7550**	**0.1926**	**2.5600e-003**	**0.1951**		**357.7158**	**357.7158**	**8.0300e-003**		**357.9165**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1689	10.7434	16.4359	0.0258		0.5294	0.5294		0.4920	0.4920	0.0000	2,488.9953	2,488.9953	0.7298		2,507.2406
Paving	0.2938					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.4627**	**10.7434**	**16.4359**	**0.0258**		**0.5294**	**0.5294**		**0.4920**	**0.4920**	**0.0000**	**2,488.9953**	**2,488.9953**	**0.7298**		**2,507.2406**

3.7 Paving - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1258	0.0732	1.0778	3.5900e-003	0.7522	2.7800e-003	0.7550	0.1926	2.5600e-003	0.1951		357.7158	357.7158	8.0300e-003		357.9165
Total	**0.1258**	**0.0732**	**1.0778**	**3.5900e-003**	**0.7522**	**2.7800e-003**	**0.7550**	**0.1926**	**2.5600e-003**	**0.1951**		**357.7158**	**357.7158**	**8.0300e-003**		**357.9165**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Increase Density

Increase Diversity

Improve Destination Accessibility

Increase Transit Accessibility

Improve Pedestrian Network

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	4.9402	20.7723	41.2378	0.1524	12.6673	0.1135	12.7807	3.3882	0.1053	3.4935		15,589.3623	15,589.3623	0.7555		15,608.2492
Unmitigated	6.0853	26.5699	72.2184	0.2942	26.3584	0.2085	26.5669	7.0503	0.1936	7.2439		30,028.6536	30,028.6536	1.2978		30,061.0973

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
Condo/Townhouse	2,034.96	1,576.26	1345.52	6,393,286	3,072,477
Other Asphalt Surfaces	0.00	0.00	0.00		
Single Family Housing	113.28	118.92	103.44	385,045	185,044
Strip Mall	2,651.10	1,261.20	612.90	4,112,215	1,976,243
Total	4,799.34	2,956.38	2,061.86	10,890,546	5,233,764

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
Condo/Townhouse	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Single Family Housing	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Strip Mall	16.60	8.40	6.90	16.60	64.40	19.00	45	40	15

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.553907	0.042339	0.204535	0.114490	0.014186	0.005810	0.021866	0.032691	0.002129	0.001663	0.004844	0.000713	0.000827
Condo/Townhouse	0.553907	0.042339	0.204535	0.114490	0.014186	0.005810	0.021866	0.032691	0.002129	0.001663	0.004844	0.000713	0.000827
Other Asphalt Surfaces	0.553907	0.042339	0.204535	0.114490	0.014186	0.005810	0.021866	0.032691	0.002129	0.001663	0.004844	0.000713	0.000827
Single Family Housing	0.553907	0.042339	0.204535	0.114490	0.014186	0.005810	0.021866	0.032691	0.002129	0.001663	0.004844	0.000713	0.000827
Strip Mall	0.553907	0.042339	0.204535	0.114490	0.014186	0.005810	0.021866	0.032691	0.002129	0.001663	0.004844	0.000713	0.000827

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

Percent of Electricity Use Generated with Renewable Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.1231	1.0529	0.4524	6.7200e-003		0.0851	0.0851		0.0851	0.0851		1,343.3048	1,343.3048	0.0258	0.0246	1,351.2874
NaturalGas Unmitigated	0.1523	1.3021	0.5596	8.3100e-003		0.1052	0.1052		0.1052	0.1052		1,661.2341	1,661.2341	0.0318	0.0305	1,671.1060

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse	13082.4	0.1411	1.2056	0.5130	7.7000e-003		0.0975	0.0975		0.0975	0.0975		1,539.1084	1,539.1084	0.0295	0.0282	1,548.2545
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	903.274	9.7400e-003	0.0832	0.0354	5.3000e-004		6.7300e-003	6.7300e-003		6.7300e-003	6.7300e-003		106.2676	106.2676	2.0400e-003	1.9500e-003	106.8991
Strip Mall	134.795	1.4500e-003	0.0132	0.0111	8.0000e-005		1.0000e-003	1.0000e-003		1.0000e-003	1.0000e-003		15.8582	15.8582	3.0000e-004	2.9000e-004	15.9524
Total		**0.1523**	**1.3021**	**0.5596**	**8.3100e-003**		**0.1052**	**0.1052**		**0.1052**	**0.1052**		**1,661.2341**	**1,661.2341**	**0.0318**	**0.0305**	**1,671.1060**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse	10.6164	0.1145	0.9784	0.4163	6.2400e-003		0.0791	0.0791		0.0791	0.0791		1,248.9877	1,248.9877	0.0239	0.0229	1,256.4098
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	0.695257	7.5000e-003	0.0641	0.0273	4.1000e-004		5.1800e-003	5.1800e-003		5.1800e-003	5.1800e-003		81.7950	81.7950	1.5700e-003	1.5000e-003	82.2811
Strip Mall	0.106438	1.1500e-003	0.0104	8.7700e-003	6.0000e-005		7.9000e-004	7.9000e-004		7.9000e-004	7.9000e-004		12.5222	12.5222	2.4000e-004	2.3000e-004	12.5966
Total		**0.1231**	**1.0529**	**0.4524**	**6.7100e-003**		**0.0851**	**0.0851**		**0.0851**	**0.0851**		**1,343.3048**	**1,343.3048**	**0.0258**	**0.0246**	**1,351.2874**

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

Use only Natural Gas Hearths

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	8.3421	3.8750	25.4385	0.0242		0.4237	0.4237		0.4237	0.4237	0.0000	4,638.3829	4,638.3829	0.1294	0.0843	4,666.7224
Unmitigated	8.3421	3.8750	25.4385	0.0242		0.4237	0.4237		0.4237	0.4237	0.0000	4,638.3829	4,638.3829	0.1294	0.0843	4,666.7224

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.5633					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	6.6395					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.4212	3.5997	1.5318	0.0230		0.2910	0.2910		0.2910	0.2910	0.0000	4,595.2941	4,595.2941	0.0881	0.0843	4,622.6017
Landscaping	0.7180	0.2754	23.9067	1.2600e-003		0.1326	0.1326		0.1326	0.1326		43.0888	43.0888	0.0413		44.1207
Total	**8.3421**	**3.8750**	**25.4385**	**0.0242**		**0.4237**	**0.4237**		**0.4237**	**0.4237**	**0.0000**	**4,638.3829**	**4,638.3829**	**0.1294**	**0.0843**	**4,666.7224**

6.2 Area by SubCategory

Mitigated

SubCategory	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
Architectural Coating	0.5633					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	6.6395					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.4212	3.5997	1.5318	0.0230		0.2910	0.2910		0.2910	0.2910	0.0000	4,595.2941	4,595.2941	0.0881	0.0843	4,622.6017
Landscaping	0.7180	0.2754	23.9067	1.2600e-003		0.1326	0.1326		0.1326	0.1326		43.0888	43.0888	0.0413		44.1207
Total	**8.3421**	**3.8750**	**25.4385**	**0.0242**		**0.4237**	**0.4237**		**0.4237**	**0.4237**	**0.0000**	**4,638.3829**	**4,638.3829**	**0.1294**	**0.0843**	**4,666.7224**

7.0 Water Detail

7.1 Mitigation Measures Water

Use Reclaimed Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

Use Water Efficient Irrigation System

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Walnut Specific Plan

South Coast Air Basin, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	7.00	Acre	7.40	304,920.00	0
City Park	2.40	Acre	2.40	104,544.00	0
Condo/Townhouse	278.00	Dwelling Unit	20.60	278,000.00	795
Single Family Housing	12.00	Dwelling Unit	2.60	21,600.00	34
Strip Mall	30.00	1000sqft	3.00	30,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	31
Climate Zone	9			**Operational Year**	2025
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	452.2	**CH4 Intensity (lb/MWhr)**	0	**N2O Intensity (lb/MWhr)**	0

1.3 User Entered Comments & Non-Default Data

Project Characteristics - SCE 2017 report

Land Use - Lot acreage changed per project descrip/Specific Plan details

Construction Phase - Arch. coating changed to overlap with bldg. construc. and end on build-out date. Site prep to begin Dec. 2019. per project descrip. Schedule provided by Construc. Mgr. Grading II is sewer line install.

Off-road Equipment -

Off-road Equipment - Sewer line install. Equip list provided by Shea Homes

Off-road Equipment -

Trips and VMT - Assuming tandem truck combined capacity of 28 CY per truck, 14 cy per bed, haul to and from.

Grading - Grading amt per project descrip. in Initial Study, 250 cy for sewer line

Architectural Coating - Per SCAQMD Rule 113 for non-flat coatings (50g/L)

Vehicle Trips - Parks within project site would be private and open space/landscaping would not generate trips. Wkdy trip gen provided by Ganddini Group.

Woodstoves - Per details, 217 gas burning fireplaces (213 single family units and 4 community). If up to 290 total, 73 no fireplace in townhomes. Per SCAQMD Rule 445 prohibiting wood-burning hearths in new residential development

Area Coating - Per SCAQMD Rule 1113 for nonflat coatings (50g/L)

Energy Use -

Water And Wastewater -

Solid Waste -

Construction Off-road Equipment Mitigation - Per SCAQMD Rule 403 requiring twice daily watering for fugitive dust mitigation

Mobile Land Use Mitigation - 12.5 units/resid. acre; 23.7 jobs/job-acre; destin. access. 0.06; transit access. 0.25; pedest. network: project site and connecting

Mobile Commute Mitigation -

Area Mitigation - Per SCAQMD Rule 1113 for nonflat coatings (50g/L)

Energy Mitigation - 39% on-site gener. per 80% resid. electr. use and 50% solar on resid.; 30% above Title 24 2016 to meet Title 24 2019 commerc. and resid.

Water Mitigation - Assumed 50% of outdoor water use would be reclaimed, indoor water use would use water efficient fittings, and water irrigation

Waste Mitigation - Recycling & Composting

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00

tblArchitecturalCoating	EF_Parking	100.00	50.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	100	50
tblAreaCoating	Area_EF_Nonresidential_Interior	100	50
tblAreaCoating	Area_EF_Parking	100	50
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstructionPhase	NumDays	30.00	46.00
tblConstructionPhase	NumDays	75.00	129.00
tblConstructionPhase	NumDays	75.00	10.00
tblConstructionPhase	NumDays	740.00	978.00
tblConstructionPhase	NumDays	55.00	489.00
tblConstructionPhase	NumDays	55.00	66.00
tblFireplaces	NumberGas	236.30	4.00
tblFireplaces	NumberGas	10.20	213.00
tblFireplaces	NumberNoFireplace	27.80	73.00
tblFireplaces	NumberNoFireplace	1.20	0.00
tblFireplaces	NumberWood	13.90	0.00
tblFireplaces	NumberWood	0.60	0.00
tblGrading	AcresOfGrading	322.50	187.50
tblGrading	MaterialExported	0.00	85,250.00
tblLandUse	LotAcreage	7.00	7.40
tblLandUse	LotAcreage	17.38	20.60
tblLandUse	LotAcreage	3.90	2.60
tblLandUse	LotAcreage	0.69	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	PhaseName		Grading II
tblOffRoadEquipment	PhaseName		Grading II

tblProjectCharacteristics	CH4IntensityFactor	0.029	0
tblProjectCharacteristics	CO2IntensityFactor	702.44	452.2
tblProjectCharacteristics	N2OIntensityFactor	0.006	0
tblTripsAndVMT	HaulingTripLength	20.00	0.00
tblTripsAndVMT	HaulingTripNumber	10,656.00	6,089.00
tblTripsAndVMT	VendorTripLength	6.90	0.00
tblTripsAndVMT	WorkerTripLength	14.70	0.00
tblTripsAndVMT	WorkerTripNumber	10.00	0.00
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	5.81	7.32
tblVehicleTrips	WD_TR	9.52	9.44
tblVehicleTrips	WD_TR	44.32	88.37
tblWoodstoves	NumberCatalytic	13.90	0.00
tblWoodstoves	NumberCatalytic	0.60	0.00
tblWoodstoves	NumberNoncatalytic	13.90	0.00
tblWoodstoves	NumberNoncatalytic	0.60	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2019	4.4310	45.6399	22.7956	0.0400	18.2675	2.3919	20.6594	9.9840	2.2006	12.1846	0.0000	3,965.7430	3,965.7430	1.1979	0.0000	3,995.6909
2020	6.0898	74.5853	44.2385	0.1203	18.2675	2.7331	20.4664	9.9840	2.5175	12.0071	0.0000	12,069.8828	12,069.8828	2.8553	0.0000	12,141.2655
2021	3.9855	28.4300	32.3565	0.0925	4.9736	1.0113	5.9850	1.3340	0.9506	2.2845	0.0000	9,273.3773	9,273.3773	0.9081	0.0000	9,296.0794
2022	8.4095	27.6182	35.2248	0.1015	5.8343	0.9460	6.7804	1.5622	0.8944	2.4567	0.0000	10,158.8414	10,158.8414	0.9249	0.0000	10,181.9629
2023	8.0754	23.8470	33.6802	0.0990	5.8343	0.8153	6.6496	1.5622	0.7707	2.3330	0.0000	9,904.7648	9,904.7648	0.8861	0.0000	9,926.9158
2024	7.8625	22.7043	32.6295	0.0974	5.8343	0.7183	6.5527	1.5622	0.6787	2.2410	0.0000	9,748.7441	9,748.7441	0.8702	0.0000	9,770.4998
Maximum	**8.4095**	**74.5853**	**44.2385**	**0.1203**	**18.2675**	**2.7331**	**20.6594**	**9.9840**	**2.5175**	**12.1846**	**0.0000**	**12,069.8828**	**12,069.8828**	**2.8553**	**0.0000**	**12,141.2655**

2.1 Overall Construction (Maximum Daily Emission)

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2019	4.4310	45.6399	22.7956	0.0400	8.3310	2.3919	10.7230	4.5222	2.2006	6.7228	0.0000	3,965.7430	3,965.7430	1.1979	0.0000	3,995.6909
2020	6.0898	74.5853	44.2385	0.1203	8.3310	2.7331	10.5300	4.5222	2.5175	6.5452	0.0000	12,069.8828	12,069.8828	2.8553	0.0000	12,141.2655
2021	3.9855	28.4300	32.3565	0.0925	4.9736	1.0113	5.9850	1.3340	0.9506	2.2845	0.0000	9,273.3773	9,273.3773	0.9081	0.0000	9,296.0794
2022	8.4095	27.6182	35.2248	0.1015	5.8343	0.9460	6.7804	1.5622	0.8944	2.4567	0.0000	10,158.8414	10,158.8414	0.9249	0.0000	10,181.9629
2023	8.0754	23.8470	33.6802	0.0990	5.8343	0.8153	6.6496	1.5622	0.7707	2.3330	0.0000	9,904.7648	9,904.7648	0.8861	0.0000	9,926.9158
2024	7.8625	22.7043	32.6295	0.0974	5.8343	0.7183	6.5527	1.5622	0.6787	2.2410	0.0000	9,748.7441	9,748.7441	0.8702	0.0000	9,770.4998
Maximum	**8.4095**	**74.5853**	**44.2385**	**0.1203**	**8.3310**	**2.7331**	**10.7230**	**4.5222**	**2.5175**	**6.7228**	**0.0000**	**12,069.8828**	**12,069.8828**	**2.8553**	**0.0000**	**12,141.2655**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**33.68**	**0.00**	**29.62**	**42.03**	**0.00**	**32.60**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	8.3421	3.8750	25.4385	0.0242		0.4237	0.4237		0.4237	0.4237	0.0000	4,638.3829	4,638.3829	0.1294	0.0843	4,666.7224
Energy	0.1523	1.3021	0.5596	8.3100e-003		0.1052	0.1052		0.1052	0.1052		1,661.2341	1,661.2341	0.0318	0.0305	1,671.1060
Mobile	5.8102	26.9463	68.3909	0.2791	26.3584	0.2095	26.5679	7.0503	0.1946	7.2449		28,504.6927	28,504.6927	1.3038		28,537.2886
Total	**14.3046**	**32.1234**	**94.3890**	**0.3116**	**26.3584**	**0.7384**	**27.0968**	**7.0503**	**0.7235**	**7.7738**	**0.0000**	**34,804.3097**	**34,804.3097**	**1.4650**	**0.1147**	**34,875.1169**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	8.3421	3.8750	25.4385	0.0242		0.4237	0.4237		0.4237	0.4237	0.0000	4,638.3829	4,638.3829	0.1294	0.0843	4,666.7224
Energy	0.1231	1.0529	0.4524	6.7200e-003		0.0851	0.0851		0.0851	0.0851		1,343.3048	1,343.3048	0.0258	0.0246	1,351.2874
Mobile	4.6937	20.8044	40.6452	0.1441	12.6673	0.1145	12.7817	3.3882	0.1063	3.4945		14,745.7446	14,745.7446	0.7754		14,765.1302
Total	**13.1589**	**25.7323**	**66.5360**	**0.1751**	**12.6673**	**0.6232**	**13.2905**	**3.3882**	**0.6150**	**4.0032**	**0.0000**	**20,727.4323**	**20,727.4323**	**0.9305**	**0.1089**	**20,783.1399**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**8.01**	**19.90**	**29.51**	**43.82**	**51.94**	**15.60**	**50.95**	**51.94**	**14.99**	**48.50**	**0.00**	**40.45**	**40.45**	**36.48**	**5.08**	**40.41**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	12/15/2019	2/17/2020	5	46	
2	Grading	Grading	2/18/2020	8/14/2020	5	129	
3	Grading II	Grading	2/18/2020	3/2/2020	5	10	
4	Building Construction	Building Construction	8/15/2020	5/15/2024	5	978	
5	Architectural Coating	Architectural Coating	7/1/2022	5/15/2024	5	489	
6	Paving	Paving	5/16/2024	8/15/2024	5	66	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 187.5

Acres of Paving: 7.4

Residential Indoor: 606,690; Residential Outdoor: 202,230; Non-Residential Indoor: 45,000; Non-Residential Outdoor: 15,000; Striped Parking Area: 18,295 (Architectural Coating – sqft)

OffRoad Equipment

Walnut Specific Plan - South Coast Air Basin, Winter

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Grading II	Dumpers/Tenders	1	8.00	16	0.38
Grading II	Off-Highway Trucks	1	8.00	402	0.38
Grading II	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Air Compressors	1	6.00	78	0.48
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

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	6,089.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	386.00	103.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	77.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading II	4	0.00	0.00	0.00	0.00	0.00	0.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Site Preparation - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.3350	45.5727	22.0630	0.0380		2.3904	2.3904		2.1991	2.1991		3,766.4529	3,766.4529	1.1917		3,796.2445
Total	**4.3350**	**45.5727**	**22.0630**	**0.0380**	**18.0663**	**2.3904**	**20.4566**	**9.9307**	**2.1991**	**12.1298**		**3,766.4529**	**3,766.4529**	**1.1917**		**3,796.2445**

3.2 Site Preparation - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0960	0.0672	0.7326	2.0000e-003	0.2012	1.5700e-003	0.2028	0.0534	1.4500e-003	0.0548		199.2901	199.2901	6.2500e-003		199.4463
Total	**0.0960**	**0.0672**	**0.7326**	**2.0000e-003**	**0.2012**	**1.5700e-003**	**0.2028**	**0.0534**	**1.4500e-003**	**0.0548**		**199.2901**	**199.2901**	**6.2500e-003**		**199.4463**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.1298	0.0000	8.1298	4.4688	0.0000	4.4688			0.0000			0.0000
Off-Road	4.3350	45.5727	22.0630	0.0380		2.3904	2.3904		2.1991	2.1991	0.0000	3,766.4529	3,766.4529	1.1917		3,796.2445
Total	**4.3350**	**45.5727**	**22.0630**	**0.0380**	**8.1298**	**2.3904**	**10.5202**	**4.4688**	**2.1991**	**6.6679**	**0.0000**	**3,766.4529**	**3,766.4529**	**1.1917**		**3,796.2445**

3.2 Site Preparation - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0960	0.0672	0.7326	2.0000e-003	0.2012	1.5700e-003	0.2028	0.0534	1.4500e-003	0.0548		199.2901	199.2901	6.2500e-003		199.4463
Total	**0.0960**	**0.0672**	**0.7326**	**2.0000e-003**	**0.2012**	**1.5700e-003**	**0.2028**	**0.0534**	**1.4500e-003**	**0.0548**		**199.2901**	**199.2901**	**6.2500e-003**		**199.4463**

3.2 Site Preparation - 2020

Unmitigated Construction On-Site

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

3.2 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	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0888	0.0600	0.6653	1.9400e-003	0.2012	1.5300e-003	0.2027	0.0534	1.4100e-003	0.0548		193.1132	193.1132	5.5600e-003		193.2522
Total	**0.0888**	**0.0600**	**0.6653**	**1.9400e-003**	**0.2012**	**1.5300e-003**	**0.2027**	**0.0534**	**1.4100e-003**	**0.0548**		**193.1132**	**193.1132**	**5.5600e-003**		**193.2522**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.1298	0.0000	8.1298	4.4688	0.0000	4.4688			0.0000			0.0000
Off-Road	4.0765	42.4173	21.5136	0.0380		2.1974	2.1974		2.0216	2.0216	0.0000	3,685.1016	3,685.1016	1.1918		3,714.8975
Total	**4.0765**	**42.4173**	**21.5136**	**0.0380**	**8.1298**	**2.1974**	**10.3272**	**4.4688**	**2.0216**	**6.4904**	**0.0000**	**3,685.1016**	**3,685.1016**	**1.1918**		**3,714.8975**

3.2 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	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0888	0.0600	0.6653	1.9400e-003	0.2012	1.5300e-003	0.2027	0.0534	1.4100e-003	0.0548		193.1132	193.1132	5.5600e-003		193.2522
Total	**0.0888**	**0.0600**	**0.6653**	**1.9400e-003**	**0.2012**	**1.5300e-003**	**0.2027**	**0.0534**	**1.4100e-003**	**0.0548**		**193.1132**	**193.1132**	**5.5600e-003**		**193.2522**

3.3 Grading - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.6383	0.0000	7.6383	3.4880	0.0000	3.4880			0.0000			0.0000
Off-Road	4.4501	50.1975	31.9583	0.0620		2.1739	2.1739		2.0000	2.0000		6,005.8653	6,005.8653	1.9424		6,054.4257
Total	**4.4501**	**50.1975**	**31.9583**	**0.0620**	**7.6383**	**2.1739**	**9.8122**	**3.4880**	**2.0000**	**5.4880**		**6,005.8653**	**6,005.8653**	**1.9424**		**6,054.4257**

3.3 Grading - 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	lb/day										lb/day					
Hauling	0.3855	13.3232	2.9208	0.0360	0.8244	0.0432	0.8676	0.2259	0.0413	0.2672		3,908.3480	3,908.3480	0.2921		3,915.6502
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0987	0.0666	0.7392	2.1500e-003	0.2236	1.7100e-003	0.2253	0.0593	1.5700e-003	0.0609		214.5703	214.5703	6.1800e-003		214.7247
Total	**0.4842**	**13.3898**	**3.6599**	**0.0382**	**1.0480**	**0.0449**	**1.0929**	**0.2852**	**0.0429**	**0.3281**		**4,122.9182**	**4,122.9182**	**0.2983**		**4,130.3749**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.4372	0.0000	3.4372	1.5696	0.0000	1.5696			0.0000			0.0000
Off-Road	4.4501	50.1975	31.9583	0.0620		2.1739	2.1739		2.0000	2.0000	0.0000	6,005.8653	6,005.8653	1.9424		6,054.4257
Total	**4.4501**	**50.1975**	**31.9583**	**0.0620**	**3.4372**	**2.1739**	**5.6111**	**1.5696**	**2.0000**	**3.5696**	**0.0000**	**6,005.8653**	**6,005.8653**	**1.9424**		**6,054.4257**

3.3 Grading - 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	lb/day										lb/day					
Hauling	0.3855	13.3232	2.9208	0.0360	0.8244	0.0432	0.8676	0.2259	0.0413	0.2672		3,908.3480	3,908.3480	0.2921		3,915.6502
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0987	0.0666	0.7392	2.1500e-003	0.2236	1.7100e-003	0.2253	0.0593	1.5700e-003	0.0609		214.5703	214.5703	6.1800e-003		214.7247
Total	**0.4842**	**13.3898**	**3.6599**	**0.0382**	**1.0480**	**0.0449**	**1.0929**	**0.2852**	**0.0429**	**0.3281**		**4,122.9182**	**4,122.9182**	**0.2983**		**4,130.3749**

3.4 Grading II - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	1.1556	10.9980	8.6203	0.0202		0.5143	0.5143		0.4746	0.4746		1,941.0993	1,941.0993	0.6146		1,956.4649
Total	**1.1556**	**10.9980**	**8.6203**	**0.0202**	**0.0000**	**0.5143**	**0.5143**	**0.0000**	**0.4746**	**0.4746**		**1,941.0993**	**1,941.0993**	**0.6146**		**1,956.4649**

3.4 Grading II - 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	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	1.1556	10.9980	8.6203	0.0202		0.5143	0.5143		0.4746	0.4746	0.0000	1,941.0993	1,941.0993	0.6146		1,956.4649
Total	**1.1556**	**10.9980**	**8.6203**	**0.0202**	**0.0000**	**0.5143**	**0.5143**	**0.0000**	**0.4746**	**0.4746**	**0.0000**	**1,941.0993**	**1,941.0993**	**0.6146**		**1,956.4649**

3.4 Grading II - 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	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

3.5 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	lb/day										lb/day					
Off-Road	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503		2,553.0631	2,553.0631	0.6229		2,568.6345
Total	**2.1198**	**19.1860**	**16.8485**	**0.0269**		**1.1171**	**1.1171**		**1.0503**	**1.0503**		**2,553.0631**	**2,553.0631**	**0.6229**		**2,568.6345**

3.5 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	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3576	10.8441	2.9240	0.0256	0.6591	0.0545	0.7136	0.1897	0.0522	0.2419		2,733.3872	2,733.3872	0.1922		2,738.1923
Worker	1.9047	1.2857	14.2659	0.0416	4.3146	0.0329	4.3475	1.1442	0.0303	1.1746		4,141.2060	4,141.2060	0.1192		4,144.1859
Total	**2.2622**	**12.1298**	**17.1898**	**0.0671**	**4.9736**	**0.0874**	**5.0611**	**1.3340**	**0.0825**	**1.4164**		**6,874.5931**	**6,874.5931**	**0.3114**		**6,882.3782**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503	0.0000	2,553.0631	2,553.0631	0.6229		2,568.6345
Total	**2.1198**	**19.1860**	**16.8485**	**0.0269**		**1.1171**	**1.1171**		**1.0503**	**1.0503**	**0.0000**	**2,553.0631**	**2,553.0631**	**0.6229**		**2,568.6345**

3.5 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	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3576	10.8441	2.9240	0.0256	0.6591	0.0545	0.7136	0.1897	0.0522	0.2419		2,733.3872	2,733.3872	0.1922		2,738.1923
Worker	1.9047	1.2857	14.2659	0.0416	4.3146	0.0329	4.3475	1.1442	0.0303	1.1746		4,141.2060	4,141.2060	0.1192		4,144.1859
Total	**2.2622**	**12.1298**	**17.1898**	**0.0671**	**4.9736**	**0.0874**	**5.0611**	**1.3340**	**0.0825**	**1.4164**		**6,874.5931**	**6,874.5931**	**0.3114**		**6,882.3782**

3.5 Building Construction - 2021

Unmitigated Construction On-Site

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

3.5 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	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3044	9.8408	2.6624	0.0254	0.6591	0.0208	0.6799	0.1897	0.0199	0.2096		2,712.7500	2,712.7500	0.1843		2,717.3573
Worker	1.7801	1.1571	13.1189	0.0402	4.3146	0.0319	4.3465	1.1442	0.0294	1.1737		4,007.2635	4,007.2635	0.1078		4,009.9579
Total	**2.0846**	**10.9979**	**15.7813**	**0.0656**	**4.9736**	**0.0527**	**5.0264**	**1.3340**	**0.0493**	**1.3833**		**6,720.0134**	**6,720.0134**	**0.2921**		**6,727.3152**

Mitigated Construction On-Site

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

3.5 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	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3044	9.8408	2.6624	0.0254	0.6591	0.0208	0.6799	0.1897	0.0199	0.2096		2,712.7500	2,712.7500	0.1843		2,717.3573
Worker	1.7801	1.1571	13.1189	0.0402	4.3146	0.0319	4.3465	1.1442	0.0294	1.1737		4,007.2635	4,007.2635	0.1078		4,009.9579
Total	**2.0846**	**10.9979**	**15.7813**	**0.0656**	**4.9736**	**0.0527**	**5.0264**	**1.3340**	**0.0493**	**1.3833**		**6,720.0134**	**6,720.0134**	**0.2921**		**6,727.3152**

3.5 Building Construction - 2022

Unmitigated Construction On-Site

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

3.5 Building Construction - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2858	9.3405	2.5217	0.0251	0.6591	0.0181	0.6772	0.1897	0.0173	0.2070		2,688.5277	2,688.5277	0.1778		2,692.9734
Worker	1.6743	1.0451	12.1103	0.0388	4.3146	0.0310	4.3456	1.1442	0.0286	1.1728		3,863.7783	3,863.7783	0.0974		3,866.2120
Total	**1.9600**	**10.3856**	**14.6320**	**0.0639**	**4.9736**	**0.0491**	**5.0228**	**1.3340**	**0.0459**	**1.3798**		**6,552.3060**	**6,552.3060**	**0.2752**		**6,559.1853**

Mitigated Construction On-Site

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

3.5 Building Construction - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2858	9.3405	2.5217	0.0251	0.6591	0.0181	0.6772	0.1897	0.0173	0.2070		2,688.5277	2,688.5277	0.1778		2,692.9734
Worker	1.6743	1.0451	12.1103	0.0388	4.3146	0.0310	4.3456	1.1442	0.0286	1.1728		3,863.7783	3,863.7783	0.0974		3,866.2120
Total	**1.9600**	**10.3856**	**14.6320**	**0.0639**	**4.9736**	**0.0491**	**5.0228**	**1.3340**	**0.0459**	**1.3798**		**6,552.3060**	**6,552.3060**	**0.2752**		**6,559.1853**

3.5 Building Construction - 2023

Unmitigated Construction On-Site

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

3.5 Building Construction - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2122	7.0251	2.2363	0.0243	0.6591	8.5000e-003	0.6676	0.1897	8.1300e-003	0.1979		2,606.2102	2,606.2102	0.1561		2,610.1137
Worker	1.5791	0.9454	11.1621	0.0373	4.3146	0.0302	4.3448	1.1442	0.0278	1.1721		3,719.8534	3,719.8534	0.0877		3,722.0463
Total	**1.7913**	**7.9705**	**13.3984**	**0.0616**	**4.9736**	**0.0387**	**5.0124**	**1.3340**	**0.0360**	**1.3699**		**6,326.0635**	**6,326.0635**	**0.2439**		**6,332.1600**

Mitigated Construction On-Site

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

3.5 Building Construction - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2122	7.0251	2.2363	0.0243	0.6591	8.5000e-003	0.6676	0.1897	8.1300e-003	0.1979		2,606.2102	2,606.2102	0.1561		2,610.1137
Worker	1.5791	0.9454	11.1621	0.0373	4.3146	0.0302	4.3448	1.1442	0.0278	1.1721		3,719.8534	3,719.8534	0.0877		3,722.0463
Total	**1.7913**	**7.9705**	**13.3984**	**0.0616**	**4.9736**	**0.0387**	**5.0124**	**1.3340**	**0.0360**	**1.3699**		**6,326.0635**	**6,326.0635**	**0.2439**		**6,332.1600**

3.5 Building Construction - 2024

Unmitigated Construction On-Site

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

3.5 Building Construction - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2074	7.0087	2.1726	0.0242	0.6591	8.3700e-003	0.6674	0.1897	8.0000e-003	0.1977		2,597.1663	2,597.1663	0.1537		2,601.0094
Worker	1.4990	0.8612	10.4044	0.0361	4.3146	0.0298	4.3444	1.1442	0.0274	1.1717		3,596.9121	3,596.9121	0.0803		3,598.9194
Total	**1.7064**	**7.8699**	**12.5771**	**0.0603**	**4.9737**	**0.0382**	**5.0118**	**1.3340**	**0.0354**	**1.3694**		**6,194.0784**	**6,194.0784**	**0.2340**		**6,199.9288**

Mitigated Construction On-Site

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

3.5 Building Construction - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2074	7.0087	2.1726	0.0242	0.6591	8.3700e-003	0.6674	0.1897	8.0000e-003	0.1977		2,597.1663	2,597.1663	0.1537		2,601.0094
Worker	1.4990	0.8612	10.4044	0.0361	4.3146	0.0298	4.3444	1.1442	0.0274	1.1717		3,596.9121	3,596.9121	0.0803		3,598.9194
Total	**1.7064**	**7.8699**	**12.5771**	**0.0603**	**4.9737**	**0.0382**	**5.0118**	**1.3340**	**0.0354**	**1.3694**		**6,194.0784**	**6,194.0784**	**0.2340**		**6,199.9288**

3.6 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	4.2048					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
Total	**4.4093**	**1.4085**	**1.8136**	**2.9700e-003**		**0.0817**	**0.0817**		**0.0817**	**0.0817**		**281.4481**	**281.4481**	**0.0183**		**281.9062**

3.6 Architectural Coating - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.3340	0.2085	2.4158	7.7300e-003	0.8607	6.1900e-003	0.8669	0.2283	5.7000e-003	0.2340		770.7537	770.7537	0.0194		771.2392
Total	**0.3340**	**0.2085**	**2.4158**	**7.7300e-003**	**0.8607**	**6.1900e-003**	**0.8669**	**0.2283**	**5.7000e-003**	**0.2340**		**770.7537**	**770.7537**	**0.0194**		**771.2392**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	4.2048					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062
Total	**4.4093**	**1.4085**	**1.8136**	**2.9700e-003**		**0.0817**	**0.0817**		**0.0817**	**0.0817**	**0.0000**	**281.4481**	**281.4481**	**0.0183**		**281.9062**

3.6 Architectural Coating - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.3340	0.2085	2.4158	7.7300e-003	0.8607	6.1900e-003	0.8669	0.2283	5.7000e-003	0.2340		770.7537	770.7537	0.0194		771.2392
Total	**0.3340**	**0.2085**	**2.4158**	**7.7300e-003**	**0.8607**	**6.1900e-003**	**0.8669**	**0.2283**	**5.7000e-003**	**0.2340**		**770.7537**	**770.7537**	**0.0194**		**771.2392**

3.6 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	4.2048					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690
Total	**4.3964**	**1.3030**	**1.8111**	**2.9700e-003**		**0.0708**	**0.0708**		**0.0708**	**0.0708**		**281.4481**	**281.4481**	**0.0168**		**281.8690**

3.6 Architectural Coating - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.3150	0.1886	2.2266	7.4400e-003	0.8607	6.0300e-003	0.8667	0.2283	5.5500e-003	0.2338		742.0433	742.0433	0.0175		742.4807
Total	**0.3150**	**0.1886**	**2.2266**	**7.4400e-003**	**0.8607**	**6.0300e-003**	**0.8667**	**0.2283**	**5.5500e-003**	**0.2338**		**742.0433**	**742.0433**	**0.0175**		**742.4807**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	4.2048					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690
Total	**4.3964**	**1.3030**	**1.8111**	**2.9700e-003**		**0.0708**	**0.0708**		**0.0708**	**0.0708**	**0.0000**	**281.4481**	**281.4481**	**0.0168**		**281.8690**

3.6 Architectural Coating - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.3150	0.1886	2.2266	7.4400e-003	0.8607	6.0300e-003	0.8667	0.2283	5.5500e-003	0.2338		742.0433	742.0433	0.0175		742.4807
Total	**0.3150**	**0.1886**	**2.2266**	**7.4400e-003**	**0.8607**	**6.0300e-003**	**0.8667**	**0.2283**	**5.5500e-003**	**0.2338**		**742.0433**	**742.0433**	**0.0175**		**742.4807**

3.6 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	4.2048					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443
Total	**4.3855**	**1.2188**	**1.8101**	**2.9700e-003**		**0.0609**	**0.0609**		**0.0609**	**0.0609**		**281.4481**	**281.4481**	**0.0159**		**281.8443**

3.6 Architectural Coating - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2990	0.1718	2.0755	7.1900e-003	0.8607	5.9400e-003	0.8666	0.2283	5.4700e-003	0.2337		717.5187	717.5187	0.0160		717.9192
Total	**0.2990**	**0.1718**	**2.0755**	**7.1900e-003**	**0.8607**	**5.9400e-003**	**0.8666**	**0.2283**	**5.4700e-003**	**0.2337**		**717.5187**	**717.5187**	**0.0160**		**717.9192**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	4.2048					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.8443
Total	**4.3855**	**1.2188**	**1.8101**	**2.9700e-003**		**0.0609**	**0.0609**		**0.0609**	**0.0609**	**0.0000**	**281.4481**	**281.4481**	**0.0159**		**281.8443**

3.6 Architectural Coating - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2990	0.1718	2.0755	7.1900e-003	0.8607	5.9400e-003	0.8666	0.2283	5.4700e-003	0.2337		717.5187	717.5187	0.0160		717.9192
Total	**0.2990**	**0.1718**	**2.0755**	**7.1900e-003**	**0.8607**	**5.9400e-003**	**0.8666**	**0.2283**	**5.4700e-003**	**0.2337**		**717.5187**	**717.5187**	**0.0160**		**717.9192**

3.7 Paving - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1689	10.7434	16.4359	0.0258		0.5294	0.5294		0.4920	0.4920		2,488.9953	2,488.9953	0.7298		2,507.2406
Paving	0.2938					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.4627**	**10.7434**	**16.4359**	**0.0258**		**0.5294**	**0.5294**		**0.4920**	**0.4920**		**2,488.9953**	**2,488.9953**	**0.7298**		**2,507.2406**

3.7 Paving - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1398	0.0803	0.9704	3.3600e-003	0.7522	2.7800e-003	0.7550	0.1926	2.5600e-003	0.1951		335.4633	335.4633	7.4900e-003		335.6505
Total	**0.1398**	**0.0803**	**0.9704**	**3.3600e-003**	**0.7522**	**2.7800e-003**	**0.7550**	**0.1926**	**2.5600e-003**	**0.1951**		**335.4633**	**335.4633**	**7.4900e-003**		**335.6505**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1689	10.7434	16.4359	0.0258		0.5294	0.5294		0.4920	0.4920	0.0000	2,488.9953	2,488.9953	0.7298		2,507.2406
Paving	0.2938					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.4627**	**10.7434**	**16.4359**	**0.0258**		**0.5294**	**0.5294**		**0.4920**	**0.4920**	**0.0000**	**2,488.9953**	**2,488.9953**	**0.7298**		**2,507.2406**

3.7 Paving - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1398	0.0803	0.9704	3.3600e-003	0.7522	2.7800e-003	0.7550	0.1926	2.5600e-003	0.1951		335.4633	335.4633	7.4900e-003		335.6505
Total	**0.1398**	**0.0803**	**0.9704**	**3.3600e-003**	**0.7522**	**2.7800e-003**	**0.7550**	**0.1926**	**2.5600e-003**	**0.1951**		**335.4633**	**335.4633**	**7.4900e-003**		**335.6505**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Increase Density

Increase Diversity

Improve Destination Accessibility

Increase Transit Accessibility

Improve Pedestrian Network

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	4.6937	20.8044	40.6452	0.1441	12.6673	0.1145	12.7817	3.3882	0.1063	3.4945		14,745.7446	14,745.7446	0.7754		14,765.1302
Unmitigated	5.8102	26.9463	68.3909	0.2791	26.3584	0.2095	26.5679	7.0503	0.1946	7.2449		28,504.6927	28,504.6927	1.3038		28,537.2886

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
Condo/Townhouse	2,034.96	1,576.26	1345.52	6,393,286	3,072,477
Other Asphalt Surfaces	0.00	0.00	0.00		
Single Family Housing	113.28	118.92	103.44	385,045	185,044
Strip Mall	2,651.10	1,261.20	612.90	4,112,215	1,976,243
Total	4,799.34	2,956.38	2,061.86	10,890,546	5,233,764

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
Condo/Townhouse	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Single Family Housing	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Strip Mall	16.60	8.40	6.90	16.60	64.40	19.00	45	40	15

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.553907	0.042339	0.204535	0.114490	0.014186	0.005810	0.021866	0.032691	0.002129	0.001663	0.004844	0.000713	0.000827
Condo/Townhouse	0.553907	0.042339	0.204535	0.114490	0.014186	0.005810	0.021866	0.032691	0.002129	0.001663	0.004844	0.000713	0.000827
Other Asphalt Surfaces	0.553907	0.042339	0.204535	0.114490	0.014186	0.005810	0.021866	0.032691	0.002129	0.001663	0.004844	0.000713	0.000827
Single Family Housing	0.553907	0.042339	0.204535	0.114490	0.014186	0.005810	0.021866	0.032691	0.002129	0.001663	0.004844	0.000713	0.000827
Strip Mall	0.553907	0.042339	0.204535	0.114490	0.014186	0.005810	0.021866	0.032691	0.002129	0.001663	0.004844	0.000713	0.000827

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

Percent of Electricity Use Generated with Renewable Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.1231	1.0529	0.4524	6.7200e-003		0.0851	0.0851		0.0851	0.0851		1,343.3048	1,343.3048	0.0258	0.0246	1,351.2874
NaturalGas Unmitigated	0.1523	1.3021	0.5596	8.3100e-003		0.1052	0.1052		0.1052	0.1052		1,661.2341	1,661.2341	0.0318	0.0305	1,671.1060

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse	13082.4	0.1411	1.2056	0.5130	7.7000e-003		0.0975	0.0975		0.0975	0.0975		1,539.1084	1,539.1084	0.0295	0.0282	1,548.2545
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	903.274	9.7400e-003	0.0832	0.0354	5.3000e-004		6.7300e-003	6.7300e-003		6.7300e-003	6.7300e-003		106.2676	106.2676	2.0400e-003	1.9500e-003	106.8991
Strip Mall	134.795	1.4500e-003	0.0132	0.0111	8.0000e-005		1.0000e-003	1.0000e-003		1.0000e-003	1.0000e-003		15.8582	15.8582	3.0000e-004	2.9000e-004	15.9524
Total		**0.1523**	**1.3021**	**0.5596**	**8.3100e-003**		**0.1052**	**0.1052**		**0.1052**	**0.1052**		**1,661.2341**	**1,661.2341**	**0.0318**	**0.0305**	**1,671.1060**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse	10.6164	0.1145	0.9784	0.4163	6.2400e-003		0.0791	0.0791		0.0791	0.0791		1,248.9877	1,248.9877	0.0239	0.0229	1,256.4098
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	0.695257	7.5000e-003	0.0641	0.0273	4.1000e-004		5.1800e-003	5.1800e-003		5.1800e-003	5.1800e-003		81.7950	81.7950	1.5700e-003	1.5000e-003	82.2811
Strip Mall	0.106438	1.1500e-003	0.0104	8.7700e-003	6.0000e-005		7.9000e-004	7.9000e-004		7.9000e-004	7.9000e-004		12.5222	12.5222	2.4000e-004	2.3000e-004	12.5966
Total		**0.1231**	**1.0529**	**0.4524**	**6.7100e-003**		**0.0851**	**0.0851**		**0.0851**	**0.0851**		**1,343.3048**	**1,343.3048**	**0.0258**	**0.0246**	**1,351.2874**

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

Use only Natural Gas Hearths

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	8.3421	3.8750	25.4385	0.0242		0.4237	0.4237		0.4237	0.4237	0.0000	4,638.3829	4,638.3829	0.1294	0.0843	4,666.7224
Unmitigated	8.3421	3.8750	25.4385	0.0242		0.4237	0.4237		0.4237	0.4237	0.0000	4,638.3829	4,638.3829	0.1294	0.0843	4,666.7224

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.5633					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	6.6395					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.4212	3.5997	1.5318	0.0230		0.2910	0.2910		0.2910	0.2910	0.0000	4,595.2941	4,595.2941	0.0881	0.0843	4,622.6017
Landscaping	0.7180	0.2754	23.9067	1.2600e-003		0.1326	0.1326		0.1326	0.1326		43.0888	43.0888	0.0413		44.1207
Total	**8.3421**	**3.8750**	**25.4385**	**0.0242**		**0.4237**	**0.4237**		**0.4237**	**0.4237**	**0.0000**	**4,638.3829**	**4,638.3829**	**0.1294**	**0.0843**	**4,666.7224**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.5633					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	6.6395					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.4212	3.5997	1.5318	0.0230		0.2910	0.2910		0.2910	0.2910	0.0000	4,595.2941	4,595.2941	0.0881	0.0843	4,622.6017
Landscaping	0.7180	0.2754	23.9067	1.2600e-003		0.1326	0.1326		0.1326	0.1326		43.0888	43.0888	0.0413		44.1207
Total	**8.3421**	**3.8750**	**25.4385**	**0.0242**		**0.4237**	**0.4237**		**0.4237**	**0.4237**	**0.0000**	**4,638.3829**	**4,638.3829**	**0.1294**	**0.0843**	**4,666.7224**

7.0 Water Detail

7.1 Mitigation Measures Water

Use Reclaimed Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

Use Water Efficient Irrigation System

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Greenhouse Gas Emission Worksheet
N20 Mobile Emissions

Annual VMT*: 5,233,764

From CalEEMod 2016 Vehicle Fleet Mix Output:

Vehicle Type	Percent Type	CH4 Emission Factor (g/mile)**	CH4 Emission (g/mile)***	N2O Emission Factor (g/mile)**	N2O Emission (g/mile)***
Light Auto	55.3%	0.04	0.0221085	0.04	0.022108
Light Truck < 3750 lbs	4.3%	0.05	0.0021385	0.06	0.002566
Light Truck 3751-5750 lbs	20.3%	0.05	0.0101385	0.06	0.012166
Med Truck 5751-8500 lbs	11.7%	0.12	0.014028	0.2	0.02338
Lite-Heavy Truck 8501-10,000 lbs	1.5%	0.12	0.0018095	0.2	0.003016
Lite-Heavy Truck 10,001-14,000 lbs	0.6%	0.09	0.000522	0.125	0.000725
Med-Heavy Truck 14,001-33,000 lbs	2.2%	0.06	0.0013015	0.05	0.001085
Heavy-Heavy Truck 33,001-60,000 lbs	3.2%	0.06	0.001914	0.05	0.001595
Other Bus	0.2%	0.06	0.00012	0.05	0.0001
Urban Bus	0.2%	0.06	0.0001061	0.05	8.85E-05
Motorcycle	0.5%	0.09	0.000432	0.01	0.000048
School Bus	0.1%	0.06	0.000042	0.05	0.000035
Motor Home	0.1%	0.09	6.282E-05	0.125	8.73E-05
Total	**100.0%**		**0.0547234**		**0.067**

Total Emissions (metric tons) =
Emission Factor by Vehicle Mix (g/mi) x Annual VMT(mi) x 0.000001 metric tons/g

Conversion to Carbon Dioxide Equivalency (CO2e) Units based on Global Warming Potential (GWP)***

CH4	25	GWP
N2O	298	GWP
1 ton (short, US) =	0.90718474	metric ton

Annual Mobile Emissions:

	Total Emissions		Total CO2e units	
N20 Emissions:	0.3507	metric tons N2O	**104.50**	metric tons CO2e
		Project Total:	***104.50***	***metric tons CO2e***

References

* From CalEEMod 2016 results for mobile sources

** Table C.4: Methane and Nitrous Oxide Emission Factors for Mobile Sources by Vehicle and Fuel Type (g/mile).
in California Climate Action Registry General Reporting Protocol, Reporting Entity-Wide Greenhouse Gas Emissions, Version 3.1, January 2009.
Assume Model year 2000-present, gasoline fueled.

*** California Climate Action Registry General Reporting Protocol, Reporting Entity-Wide Greenhouse Gas Emissions, Version 3.1, January 2009.

**** Global warming potentials from IPCC Fourth Assessment Report