

APPENDIX C

CALEEMOD MODEL ANNUAL EMISSIONS PRINTOUTS

19-0180 Tentative Tract Map No. 20152 - San Bernardino-South Coast County, Annual

19-0180 Tentative Tract Map No. 20152
San Bernardino-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	17.55	1000sqft	0.40	17,554.00	0
Single Family Housing	5.00	Dwelling Unit	2.96	9,000.00	14

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	32
Climate Zone	10			Operational Year	2022
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

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Project Characteristics -

Land Use - 5 residential dwellings plus 17,554 SF of on-site road on 3.36 ac

Construction Phase - No demo and minor site prep only. Construction to start ~3/21 and end ~6/22

Grading - 4,750 CY of import

Vehicle Trips - Trip generation rate from 10th Ed. ITE Trip Generation Manual for Single family detached housing (210): 9.44 trips/du weekdays, 9.54 trips/du Sat, and 8.55 trips/du Sun.

Woodstoves - No woodstoves or woodburning fireplaces.

Sequestration - 12 proposed street trees

Construction Off-road Equipment Mitigation -

Mobile Land Use Mitigation -

Off-road Equipment - Site has been cleared previously, only minor site prep needed for removal of vegetation

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

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Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	8.00	16.00
tblConstructionPhase	NumDays	230.00	250.00
tblConstructionPhase	NumDays	18.00	28.00
tblConstructionPhase	NumDays	18.00	30.00
tblFireplaces	NumberGas	4.25	4.50
tblFireplaces	NumberWood	0.25	0.00
tblGrading	MaterialImported	0.00	4,750.00
tblLandUse	LandUseSquareFeet	17,550.00	17,554.00
tblLandUse	LotAcreage	1.62	2.96
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	2.00
tblSequestration	NumberOfNewTrees	0.00	12.00
tblTripsAndVMT	WorkerTripNumber	10.00	18.00
tblVehicleTrips	HO_TTP	40.60	41.00
tblVehicleTrips	HS_TTP	19.20	19.00
tblVehicleTrips	HW_TTP	40.20	40.00
tblVehicleTrips	ST_TR	9.91	9.54
tblVehicleTrips	SU_TR	8.62	8.55
tblVehicleTrips	WD_TR	9.52	9.44
tblWoodstoves	NumberCatalytic	0.25	0.00
tblWoodstoves	NumberNoncatalytic	0.25	0.00

2.0 Emissions Summary

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2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	0.2207	2.0843	1.8601	3.3400e-003	0.1001	0.1082	0.2082	0.0482	0.1014	0.1497	0.0000	291.0685	291.0685	0.0658	0.0000	292.7125
2022	0.0939	0.5614	0.6342	1.0700e-003	6.4000e-003	0.0287	0.0351	1.7100e-003	0.0270	0.0287	0.0000	92.5051	92.5051	0.0219	0.0000	93.0515
Maximum	0.2207	2.0843	1.8601	3.3400e-003	0.1001	0.1082	0.2082	0.0482	0.1014	0.1497	0.0000	291.0685	291.0685	0.0658	0.0000	292.7125

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					
2021	0.2207	2.0843	1.8601	3.3400e-003	0.0497	0.1082	0.1579	0.0217	0.1014	0.1231	0.0000	291.0682	291.0682	0.0658	0.0000	292.7122
2022	0.0939	0.5614	0.6342	1.0700e-003	6.4000e-003	0.0287	0.0351	1.7100e-003	0.0270	0.0287	0.0000	92.5049	92.5049	0.0219	0.0000	93.0514
Maximum	0.2207	2.0843	1.8601	3.3400e-003	0.0497	0.1082	0.1579	0.0217	0.1014	0.1231	0.0000	291.0682	291.0682	0.0658	0.0000	292.7122

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	47.28	0.00	20.68	53.12	0.00	14.87	0.00	0.00	0.00	0.00	0.00	0.00

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Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	3-1-2021	5-31-2021	0.7859	0.7859
2	6-1-2021	8-31-2021	0.6474	0.6474
3	9-1-2021	11-30-2021	0.6404	0.6404
4	12-1-2021	2-28-2022	0.5905	0.5905
5	3-1-2022	5-31-2022	0.2871	0.2871
6	6-1-2022	8-31-2022	0.0013	0.0013
		Highest	0.7859	0.7859

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	0.0384	1.5300e-003	0.0522	1.0000e-005		3.6000e-004	3.6000e-004		3.6000e-004	3.6000e-004	0.0000	1.1653	1.1653	1.0000e-004	2.0000e-005	1.1738
Energy	8.2000e-004	7.0500e-003	3.0000e-003	4.0000e-005		5.7000e-004	5.7000e-004		5.7000e-004	5.7000e-004	0.0000	22.0499	22.0499	7.3000e-004	2.7000e-004	22.1481
Mobile	0.0153	0.1180	0.1919	7.9000e-004	0.0607	5.6000e-004	0.0612	0.0163	5.2000e-004	0.0168	0.0000	72.9955	72.9955	3.7400e-003	0.0000	73.0890
Waste						0.0000	0.0000		0.0000	0.0000	1.1652	0.0000	1.1652	0.0689	0.0000	2.8867
Water						0.0000	0.0000		0.0000	0.0000	0.1034	2.0786	2.1819	0.0107	2.7000e-004	2.5294
Total	0.0545	0.1265	0.2471	8.4000e-004	0.0607	1.4900e-003	0.0621	0.0163	1.4500e-003	0.0177	1.2685	98.2892	99.5577	0.0841	5.6000e-004	101.8269

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2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.0384	1.5300e-003	0.0522	1.0000e-005		3.6000e-004	3.6000e-004		3.6000e-004	3.6000e-004	0.0000	1.1653	1.1653	1.0000e-004	2.0000e-005	1.1738
Energy	8.2000e-004	7.0500e-003	3.0000e-003	4.0000e-005		5.7000e-004	5.7000e-004		5.7000e-004	5.7000e-004	0.0000	22.0499	22.0499	7.3000e-004	2.7000e-004	22.1481
Mobile	0.0153	0.1180	0.1919	7.9000e-004	0.0607	5.6000e-004	0.0612	0.0163	5.2000e-004	0.0168	0.0000	72.9955	72.9955	3.7400e-003	0.0000	73.0890
Waste						0.0000	0.0000		0.0000	0.0000	1.1652	0.0000	1.1652	0.0689	0.0000	2.8867
Water						0.0000	0.0000		0.0000	0.0000	0.1034	2.0786	2.1819	0.0107	2.7000e-004	2.5294
Total	0.0545	0.1265	0.2471	8.4000e-004	0.0607	1.4900e-003	0.0621	0.0163	1.4500e-003	0.0177	1.2685	98.2892	99.5577	0.0841	5.6000e-004	101.8269

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

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2.3 Vegetation

Vegetation

	CO2e
Category	MT
New Trees	8.4960
Total	8.4960

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	3/1/2021	3/5/2021	5	5	
2	Grading	Grading	3/6/2021	3/29/2021	5	16	
3	Building Construction	Building Construction	3/30/2021	3/14/2022	5	250	
4	Paving	Paving	3/14/2022	4/20/2022	5	28	
5	Architectural Coating	Architectural Coating	4/21/2022	6/1/2022	5	30	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 8

Acres of Paving: 0.4

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Residential Indoor: 18,225; Residential Outdoor: 6,075; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 1,053 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Cement and Mortar Mixers	2	6.00	9	0.56
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	2	6.00	132	0.36
Paving	Rollers	2	6.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

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Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	4	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	470.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	9.00	3.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	2.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Site Preparation - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0301	0.0000	0.0301	0.0166	0.0000	0.0166	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.1700e-003	0.0643	0.0315	6.0000e-005		3.2200e-003	3.2200e-003		2.9600e-003	2.9600e-003	0.0000	5.1177	5.1177	1.6600e-003	0.0000	5.1591
Total	6.1700e-003	0.0643	0.0315	6.0000e-005	0.0301	3.2200e-003	0.0333	0.0166	2.9600e-003	0.0195	0.0000	5.1177	5.1177	1.6600e-003	0.0000	5.1591

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3.2 Site Preparation - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.1000e-004	1.6000e-004	1.6000e-003	0.0000	4.9000e-004	0.0000	5.0000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.4095	0.4095	1.0000e-005	0.0000	0.4097
Total	2.1000e-004	1.6000e-004	1.6000e-003	0.0000	4.9000e-004	0.0000	5.0000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.4095	0.4095	1.0000e-005	0.0000	0.4097

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.0117	0.0000	0.0117	6.4500e-003	0.0000	6.4500e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.1700e-003	0.0643	0.0315	6.0000e-005		3.2200e-003	3.2200e-003		2.9600e-003	2.9600e-003	0.0000	5.1177	5.1177	1.6600e-003	0.0000	5.1590
Total	6.1700e-003	0.0643	0.0315	6.0000e-005	0.0117	3.2200e-003	0.0150	6.4500e-003	2.9600e-003	9.4100e-003	0.0000	5.1177	5.1177	1.6600e-003	0.0000	5.1590

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3.2 Site Preparation - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.1000e-004	1.6000e-004	1.6000e-003	0.0000	4.9000e-004	0.0000	5.0000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.4095	0.4095	1.0000e-005	0.0000	0.4097
Total	2.1000e-004	1.6000e-004	1.6000e-003	0.0000	4.9000e-004	0.0000	5.0000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.4095	0.4095	1.0000e-005	0.0000	0.4097

3.3 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0524	0.0000	0.0524	0.0269	0.0000	0.0269	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0183	0.1979	0.1269	2.4000e-004		9.2800e-003	9.2800e-003		8.5400e-003	8.5400e-003	0.0000	20.8430	20.8430	6.7400e-003	0.0000	21.0115
Total	0.0183	0.1979	0.1269	2.4000e-004	0.0524	9.2800e-003	0.0617	0.0269	8.5400e-003	0.0355	0.0000	20.8430	20.8430	6.7400e-003	0.0000	21.0115

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3.3 Grading - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.4200e-003	0.0549	8.8200e-003	1.8000e-004	4.0400e-003	1.5000e-004	4.2000e-003	1.1100e-003	1.5000e-004	1.2600e-003	0.0000	17.3985	17.3985	9.8000e-004	0.0000	17.4229
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.5000e-004	4.2000e-004	4.2800e-003	1.0000e-005	1.3200e-003	1.0000e-005	1.3200e-003	3.5000e-004	1.0000e-005	3.6000e-004	0.0000	1.0919	1.0919	3.0000e-005	0.0000	1.0926
Total	1.9700e-003	0.0553	0.0131	1.9000e-004	5.3600e-003	1.6000e-004	5.5200e-003	1.4600e-003	1.6000e-004	1.6200e-003	0.0000	18.4903	18.4903	1.0100e-003	0.0000	18.5156

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.0204	0.0000	0.0204	0.0105	0.0000	0.0105	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0183	0.1979	0.1269	2.4000e-004		9.2800e-003	9.2800e-003		8.5400e-003	8.5400e-003	0.0000	20.8429	20.8429	6.7400e-003	0.0000	21.0115
Total	0.0183	0.1979	0.1269	2.4000e-004	0.0204	9.2800e-003	0.0297	0.0105	8.5400e-003	0.0191	0.0000	20.8429	20.8429	6.7400e-003	0.0000	21.0115

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3.3 Grading - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.4200e-003	0.0549	8.8200e-003	1.8000e-004	4.0400e-003	1.5000e-004	4.2000e-003	1.1100e-003	1.5000e-004	1.2600e-003	0.0000	17.3985	17.3985	9.8000e-004	0.0000	17.4229
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.5000e-004	4.2000e-004	4.2800e-003	1.0000e-005	1.3200e-003	1.0000e-005	1.3200e-003	3.5000e-004	1.0000e-005	3.6000e-004	0.0000	1.0919	1.0919	3.0000e-005	0.0000	1.0926
Total	1.9700e-003	0.0553	0.0131	1.9000e-004	5.3600e-003	1.6000e-004	5.5200e-003	1.4600e-003	1.6000e-004	1.6200e-003	0.0000	18.4903	18.4903	1.0100e-003	0.0000	18.5156

3.4 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	0.1891	1.7345	1.6492	2.6800e-003		0.0954	0.0954		0.0897	0.0897	0.0000	230.4791	230.4791	0.0556	0.0000	231.8692
Total	0.1891	1.7345	1.6492	2.6800e-003		0.0954	0.0954		0.0897	0.0897	0.0000	230.4791	230.4791	0.0556	0.0000	231.8692

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3.4 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	7.9000e-004	0.0290	5.9100e-003	8.0000e-005	1.8800e-003	5.0000e-005	1.9300e-003	5.4000e-004	5.0000e-005	5.9000e-004	0.0000	7.5808	7.5808	5.1000e-004	0.0000	7.5936
Worker	4.1200e-003	3.1200e-003	0.0319	9.0000e-005	9.8200e-003	6.0000e-005	9.8800e-003	2.6100e-003	6.0000e-005	2.6700e-003	0.0000	8.1482	8.1482	2.3000e-004	0.0000	8.1539
Total	4.9100e-003	0.0322	0.0378	1.7000e-004	0.0117	1.1000e-004	0.0118	3.1500e-003	1.1000e-004	3.2600e-003	0.0000	15.7290	15.7290	7.4000e-004	0.0000	15.7474

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.1891	1.7345	1.6492	2.6800e-003		0.0954	0.0954		0.0897	0.0897	0.0000	230.4788	230.4788	0.0556	0.0000	231.8689
Total	0.1891	1.7345	1.6492	2.6800e-003		0.0954	0.0954		0.0897	0.0897	0.0000	230.4788	230.4788	0.0556	0.0000	231.8689

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3.4 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	7.9000e-004	0.0290	5.9100e-003	8.0000e-005	1.8800e-003	5.0000e-005	1.9300e-003	5.4000e-004	5.0000e-005	5.9000e-004	0.0000	7.5808	7.5808	5.1000e-004	0.0000	7.5936
Worker	4.1200e-003	3.1200e-003	0.0319	9.0000e-005	9.8200e-003	6.0000e-005	9.8800e-003	2.6100e-003	6.0000e-005	2.6700e-003	0.0000	8.1482	8.1482	2.3000e-004	0.0000	8.1539
Total	4.9100e-003	0.0322	0.0378	1.7000e-004	0.0117	1.1000e-004	0.0118	3.1500e-003	1.1000e-004	3.2600e-003	0.0000	15.7290	15.7290	7.4000e-004	0.0000	15.7474

3.4 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	0.0435	0.3982	0.4173	6.9000e-004		0.0206	0.0206		0.0194	0.0194	0.0000	59.0899	59.0899	0.0142	0.0000	59.4438
Total	0.0435	0.3982	0.4173	6.9000e-004		0.0206	0.0206		0.0194	0.0194	0.0000	59.0899	59.0899	0.0142	0.0000	59.4438

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3.4 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	1.9000e-004	7.0500e-003	1.4000e-003	2.0000e-005	4.8000e-004	1.0000e-005	4.9000e-004	1.4000e-004	1.0000e-005	1.5000e-004	0.0000	1.9270	1.9270	1.3000e-004	0.0000	1.9302
Worker	9.9000e-004	7.2000e-004	7.5000e-003	2.0000e-005	2.5200e-003	2.0000e-005	2.5300e-003	6.7000e-004	1.0000e-005	6.8000e-004	0.0000	2.0130	2.0130	5.0000e-005	0.0000	2.0143
Total	1.1800e-003	7.7700e-003	8.9000e-003	4.0000e-005	3.0000e-003	3.0000e-005	3.0200e-003	8.1000e-004	2.0000e-005	8.3000e-004	0.0000	3.9400	3.9400	1.8000e-004	0.0000	3.9444

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0435	0.3982	0.4173	6.9000e-004		0.0206	0.0206		0.0194	0.0194	0.0000	59.0899	59.0899	0.0142	0.0000	59.4438
Total	0.0435	0.3982	0.4173	6.9000e-004		0.0206	0.0206		0.0194	0.0194	0.0000	59.0899	59.0899	0.0142	0.0000	59.4438

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3.4 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	1.9000e-004	7.0500e-003	1.4000e-003	2.0000e-005	4.8000e-004	1.0000e-005	4.9000e-004	1.4000e-004	1.0000e-005	1.5000e-004	0.0000	1.9270	1.9270	1.3000e-004	0.0000	1.9302
Worker	9.9000e-004	7.2000e-004	7.5000e-003	2.0000e-005	2.5200e-003	2.0000e-005	2.5300e-003	6.7000e-004	1.0000e-005	6.8000e-004	0.0000	2.0130	2.0130	5.0000e-005	0.0000	2.0143
Total	1.1800e-003	7.7700e-003	8.9000e-003	4.0000e-005	3.0000e-003	3.0000e-005	3.0200e-003	8.1000e-004	2.0000e-005	8.3000e-004	0.0000	3.9400	3.9400	1.8000e-004	0.0000	3.9444

3.5 Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0137	0.1333	0.1707	2.7000e-004		6.8300e-003	6.8300e-003		6.3100e-003	6.3100e-003	0.0000	22.9262	22.9262	7.2000e-003	0.0000	23.1063
Paving	5.2000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0142	0.1333	0.1707	2.7000e-004		6.8300e-003	6.8300e-003		6.3100e-003	6.3100e-003	0.0000	22.9262	22.9262	7.2000e-003	0.0000	23.1063

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3.5 Paving - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.2100e-003	8.8000e-004	9.1500e-003	3.0000e-005	3.0700e-003	2.0000e-005	3.0900e-003	8.2000e-004	2.0000e-005	8.3000e-004	0.0000	2.4559	2.4559	6.0000e-005	0.0000	2.4575
Total	1.2100e-003	8.8000e-004	9.1500e-003	3.0000e-005	3.0700e-003	2.0000e-005	3.0900e-003	8.2000e-004	2.0000e-005	8.3000e-004	0.0000	2.4559	2.4559	6.0000e-005	0.0000	2.4575

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0137	0.1333	0.1707	2.7000e-004		6.8300e-003	6.8300e-003		6.3100e-003	6.3100e-003	0.0000	22.9262	22.9262	7.2000e-003	0.0000	23.1063
Paving	5.2000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0142	0.1333	0.1707	2.7000e-004		6.8300e-003	6.8300e-003		6.3100e-003	6.3100e-003	0.0000	22.9262	22.9262	7.2000e-003	0.0000	23.1063

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3.5 Paving - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.2100e-003	8.8000e-004	9.1500e-003	3.0000e-005	3.0700e-003	2.0000e-005	3.0900e-003	8.2000e-004	2.0000e-005	8.3000e-004	0.0000	2.4559	2.4559	6.0000e-005	0.0000	2.4575
Total	1.2100e-003	8.8000e-004	9.1500e-003	3.0000e-005	3.0700e-003	2.0000e-005	3.0900e-003	8.2000e-004	2.0000e-005	8.3000e-004	0.0000	2.4559	2.4559	6.0000e-005	0.0000	2.4575

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	0.0306					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.0700e-003	0.0211	0.0272	4.0000e-005		1.2300e-003	1.2300e-003		1.2300e-003	1.2300e-003	0.0000	3.8299	3.8299	2.5000e-004	0.0000	3.8361
Total	0.0337	0.0211	0.0272	4.0000e-005		1.2300e-003	1.2300e-003		1.2300e-003	1.2300e-003	0.0000	3.8299	3.8299	2.5000e-004	0.0000	3.8361

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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	1.3000e-004	9.0000e-005	9.8000e-004	0.0000	3.3000e-004	0.0000	3.3000e-004	9.0000e-005	0.0000	9.0000e-005	0.0000	0.2631	0.2631	1.0000e-005	0.0000	0.2633
Total	1.3000e-004	9.0000e-005	9.8000e-004	0.0000	3.3000e-004	0.0000	3.3000e-004	9.0000e-005	0.0000	9.0000e-005	0.0000	0.2631	0.2631	1.0000e-005	0.0000	0.2633

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0306					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.0700e-003	0.0211	0.0272	4.0000e-005		1.2300e-003	1.2300e-003		1.2300e-003	1.2300e-003	0.0000	3.8299	3.8299	2.5000e-004	0.0000	3.8361
Total	0.0337	0.0211	0.0272	4.0000e-005		1.2300e-003	1.2300e-003		1.2300e-003	1.2300e-003	0.0000	3.8299	3.8299	2.5000e-004	0.0000	3.8361

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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	1.3000e-004	9.0000e-005	9.8000e-004	0.0000	3.3000e-004	0.0000	3.3000e-004	9.0000e-005	0.0000	9.0000e-005	0.0000	0.2631	0.2631	1.0000e-005	0.0000	0.2633
Total	1.3000e-004	9.0000e-005	9.8000e-004	0.0000	3.3000e-004	0.0000	3.3000e-004	9.0000e-005	0.0000	9.0000e-005	0.0000	0.2631	0.2631	1.0000e-005	0.0000	0.2633

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0153	0.1180	0.1919	7.9000e-004	0.0607	5.6000e-004	0.0612	0.0163	5.2000e-004	0.0168	0.0000	72.9955	72.9955	3.7400e-003	0.0000	73.0890
Unmitigated	0.0153	0.1180	0.1919	7.9000e-004	0.0607	5.6000e-004	0.0612	0.0163	5.2000e-004	0.0168	0.0000	72.9955	72.9955	3.7400e-003	0.0000	73.0890

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Asphalt Surfaces	0.00	0.00	0.00		
Single Family Housing	47.20	47.70	42.75	159,265	159,265
Total	47.20	47.70	42.75	159,265	159,265

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
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	40.00	19.00	41.00	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Other Asphalt Surfaces	0.553113	0.036408	0.180286	0.116335	0.016165	0.005101	0.018218	0.063797	0.001357	0.001565	0.005903	0.000808	0.000944
Single Family Housing	0.553113	0.036408	0.180286	0.116335	0.016165	0.005101	0.018218	0.063797	0.001357	0.001565	0.005903	0.000808	0.000944

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5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	13.8863	13.8863	5.7000e-004	1.2000e-004	13.9360
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	13.8863	13.8863	5.7000e-004	1.2000e-004	13.9360
NaturalGas Mitigated	8.2000e-004	7.0500e-003	3.0000e-003	4.0000e-005		5.7000e-004	5.7000e-004		5.7000e-004	5.7000e-004	0.0000	8.1636	8.1636	1.6000e-004	1.5000e-004	8.2122
NaturalGas Unmitigated	8.2000e-004	7.0500e-003	3.0000e-003	4.0000e-005		5.7000e-004	5.7000e-004		5.7000e-004	5.7000e-004	0.0000	8.1636	8.1636	1.6000e-004	1.5000e-004	8.2122

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5.2 Energy by Land Use - Natural Gas

Unmitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
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	152981	8.2000e-004	7.0500e-003	3.0000e-003	4.0000e-005		5.7000e-004	5.7000e-004		5.7000e-004	5.7000e-004	0.0000	8.1636	8.1636	1.6000e-004	1.5000e-004	8.2122
Total		8.2000e-004	7.0500e-003	3.0000e-003	4.0000e-005		5.7000e-004	5.7000e-004		5.7000e-004	5.7000e-004	0.0000	8.1636	8.1636	1.6000e-004	1.5000e-004	8.2122

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
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	152981	8.2000e-004	7.0500e-003	3.0000e-003	4.0000e-005		5.7000e-004	5.7000e-004		5.7000e-004	5.7000e-004	0.0000	8.1636	8.1636	1.6000e-004	1.5000e-004	8.2122
Total		8.2000e-004	7.0500e-003	3.0000e-003	4.0000e-005		5.7000e-004	5.7000e-004		5.7000e-004	5.7000e-004	0.0000	8.1636	8.1636	1.6000e-004	1.5000e-004	8.2122

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5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	43582.4	13.8863	5.7000e-004	1.2000e-004	13.9360
Total		13.8863	5.7000e-004	1.2000e-004	13.9360

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	43582.4	13.8863	5.7000e-004	1.2000e-004	13.9360
Total		13.8863	5.7000e-004	1.2000e-004	13.9360

6.0 Area Detail

6.1 Mitigation Measures Area

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0384	1.5300e-003	0.0522	1.0000e-005		3.6000e-004	3.6000e-004		3.6000e-004	3.6000e-004	0.0000	1.1653	1.1653	1.0000e-004	2.0000e-005	1.1738
Unmitigated	0.0384	1.5300e-003	0.0522	1.0000e-005		3.6000e-004	3.6000e-004		3.6000e-004	3.6000e-004	0.0000	1.1653	1.1653	1.0000e-004	2.0000e-005	1.1738

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	3.0600e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0337					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	1.1000e-004	9.3000e-004	4.0000e-004	1.0000e-005		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005	0.0000	1.0806	1.0806	2.0000e-005	2.0000e-005	1.0870
Landscaping	1.5800e-003	6.0000e-004	0.0518	0.0000		2.9000e-004	2.9000e-004		2.9000e-004	2.9000e-004	0.0000	0.0847	0.0847	8.0000e-005	0.0000	0.0867
Total	0.0384	1.5300e-003	0.0522	1.0000e-005		3.7000e-004	3.7000e-004		3.7000e-004	3.7000e-004	0.0000	1.1653	1.1653	1.0000e-004	2.0000e-005	1.1738

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6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	3.0600e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0337					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	1.1000e-004	9.3000e-004	4.0000e-004	1.0000e-005		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005	0.0000	1.0806	1.0806	2.0000e-005	2.0000e-005	1.0870
Landscaping	1.5800e-003	6.0000e-004	0.0518	0.0000		2.9000e-004	2.9000e-004		2.9000e-004	2.9000e-004	0.0000	0.0847	0.0847	8.0000e-005	0.0000	0.0867
Total	0.0384	1.5300e-003	0.0522	1.0000e-005		3.7000e-004	3.7000e-004		3.7000e-004	3.7000e-004	0.0000	1.1653	1.1653	1.0000e-004	2.0000e-005	1.1738

7.0 Water Detail

7.1 Mitigation Measures Water

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	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	2.1819	0.0107	2.7000e-004	2.5294
Unmitigated	2.1819	0.0107	2.7000e-004	2.5294

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	0.32577 / 0.205377	2.1819	0.0107	2.7000e-004	2.5294
Total		2.1819	0.0107	2.7000e-004	2.5294

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7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	0.32577 / 0.205377	2.1819	0.0107	2.7000e-004	2.5294
Total		2.1819	0.0107	2.7000e-004	2.5294

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	1.1652	0.0689	0.0000	2.8867
Unmitigated	1.1652	0.0689	0.0000	2.8867

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8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	5.74	1.1652	0.0689	0.0000	2.8867
Total		1.1652	0.0689	0.0000	2.8867

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	5.74	1.1652	0.0689	0.0000	2.8867
Total		1.1652	0.0689	0.0000	2.8867

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year Apx - 87	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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11.0 Vegetation

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	Total CO2	CH4	N2O	CO2e
Category	MT			
Unmitigated	8.4960	0.0000	0.0000	8.4960

11.2 Net New Trees

Species Class

	Number of Trees	Total CO2	CH4	N2O	CO2e
		MT			
Miscellaneous	12	8.4960	0.0000	0.0000	8.4960
Total		8.4960	0.0000	0.0000	8.4960