

Mission Boulevard Condos - San Bernardino-South Coast County, Annual

Mission Boulevard Condos
San Bernardino-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Condo/Townhouse	40.00	Dwelling Unit	1.23	53,880.00	114
Single Family Housing	2.00	Dwelling Unit	0.13	5,434.00	6
Parking Lot	65.31	1000sqft	1.50	65,305.00	0
Other Non-Asphalt Surfaces	78.38	1000sqft	1.80	78,376.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	32
Climate Zone	10			Operational Year	2021
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	702.44	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - In accordance with site plan.

Demolition - Approximately 1,844 tons of debris on-site comprised of existing concrete foundation and three billboard structures.

Construction Off-road Equipment Mitigation -

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Table Name	Column Name	Default Value	New Value
tblLandUse	LandUseSquareFeet	40,000.00	53,880.00
tblLandUse	LandUseSquareFeet	3,600.00	5,434.00
tblLandUse	LandUseSquareFeet	65,310.00	65,305.00
tblLandUse	LandUseSquareFeet	78,380.00	78,376.00
tblLandUse	LotAcreage	2.50	1.23
tblLandUse	LotAcreage	0.65	0.13

2.0 Emissions Summary

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Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	6-27-2019	9-26-2019	1.1219	1.1219
2	9-27-2019	12-26-2019	0.8989	0.8989
3	12-27-2019	3-26-2020	0.8218	0.8218
4	3-27-2020	6-26-2020	0.8264	0.8264
5	6-27-2020	9-26-2020	0.3731	0.3731
		Highest	1.1219	1.1219

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	0.3951	0.0159	0.7029	7.0000e-004		0.0425	0.0425		0.0425	0.0425	4.4612	9.2840	13.7452	0.0140	3.0000e-004	14.1854
Energy	5.2200e-003	0.0446	0.0190	2.8000e-004		3.6100e-003	3.6100e-003		3.6100e-003	3.6100e-003	0.0000	136.3864	136.3864	4.4900e-003	1.6700e-003	136.9964
Mobile	0.0866	0.6605	1.0989	4.2400e-003	0.3187	3.1500e-003	0.3219	0.0854	2.9600e-003	0.0884	0.0000	392.7203	392.7203	0.0207	0.0000	393.2372
Waste						0.0000	0.0000		0.0000	0.0000	4.2344	0.0000	4.2344	0.2503	0.0000	10.4905
Water						0.0000	0.0000		0.0000	0.0000	0.8682	17.4599	18.3280	0.0899	2.2500e-003	21.2471
Total	0.4869	0.7211	1.8208	5.2200e-003	0.3187	0.0493	0.3680	0.0854	0.0491	0.1345	9.5638	555.8505	565.4142	0.3793	4.2200e-003	576.1566

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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	0.3951	0.0159	0.7029	7.0000e-004		0.0425	0.0425		0.0425	0.0425	4.4612	9.2840	13.7452	0.0140	3.0000e-004	14.1854
Energy	5.2200e-003	0.0446	0.0190	2.8000e-004		3.6100e-003	3.6100e-003		3.6100e-003	3.6100e-003	0.0000	136.3864	136.3864	4.4900e-003	1.6700e-003	136.9964
Mobile	0.0866	0.6605	1.0989	4.2400e-003	0.3187	3.1500e-003	0.3219	0.0854	2.9600e-003	0.0884	0.0000	392.7203	392.7203	0.0207	0.0000	393.2372
Waste						0.0000	0.0000		0.0000	0.0000	4.2344	0.0000	4.2344	0.2503	0.0000	10.4905
Water						0.0000	0.0000		0.0000	0.0000	0.8682	17.4599	18.3280	0.0899	2.2500e-003	21.2471
Total	0.4869	0.7211	1.8208	5.2200e-003	0.3187	0.0493	0.3680	0.0854	0.0491	0.1345	9.5638	555.8505	565.4142	0.3793	4.2200e-003	576.1566

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

3.0 Construction Detail

Construction Phase

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Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	6/27/2019	7/24/2019	5	20	
2	Site Preparation	Site Preparation	7/25/2019	7/31/2019	5	5	
3	Grading	Grading	8/1/2019	8/12/2019	5	8	
4	Building Construction	Building Construction	8/13/2019	6/29/2020	5	230	
5	Paving	Paving	6/30/2020	7/23/2020	5	18	
6	Architectural Coating	Architectural Coating	7/24/2020	8/18/2020	5	18	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 4

Acres of Paving: 3.3

Residential Indoor: 120,111; Residential Outdoor: 40,037; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 8,621 (Architectural Coating – sqft)

OffRoad Equipment

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Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Demolition	Excavators	3	8.00	158	0.38
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Excavators	1	8.00	158	0.38
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Paving	Pavers	1	8.00	130	0.42
Paving	Rollers	2	6.00	80	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Paving	Paving Equipment	2	6.00	132	0.36
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Building Construction	Welders	1	8.00	46	0.45
Paving	Cement and Mortar Mixers	2	6.00	9	0.56
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37

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
Demolition	6	15.00	0.00	182.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	90.00	28.00	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	18.00	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 Demolition - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0197	0.0000	0.0197	2.9900e-003	0.0000	2.9900e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0351	0.3578	0.2206	3.9000e-004		0.0180	0.0180		0.0167	0.0167	0.0000	34.6263	34.6263	9.6300e-003	0.0000	34.8672
Total	0.0351	0.3578	0.2206	3.9000e-004	0.0197	0.0180	0.0377	2.9900e-003	0.0167	0.0197	0.0000	34.6263	34.6263	9.6300e-003	0.0000	34.8672

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3.2 Demolition - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	6.2000e-004	0.0247	3.7000e-003	7.0000e-005	1.5700e-003	8.0000e-005	1.6500e-003	4.3000e-004	8.0000e-005	5.1000e-004	0.0000	6.8696	6.8696	4.0000e-004	0.0000	6.8795
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.0000e-004	6.6000e-004	6.4600e-003	2.0000e-005	1.6400e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.4551	1.4551	5.0000e-005	0.0000	1.4563
Total	1.4200e-003	0.0253	0.0102	9.0000e-005	3.2100e-003	9.0000e-005	3.3100e-003	8.7000e-004	9.0000e-005	9.6000e-004	0.0000	8.3247	8.3247	4.5000e-004	0.0000	8.3358

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.0197	0.0000	0.0197	2.9900e-003	0.0000	2.9900e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0351	0.3578	0.2206	3.9000e-004		0.0180	0.0180		0.0167	0.0167	0.0000	34.6263	34.6263	9.6300e-003	0.0000	34.8671
Total	0.0351	0.3578	0.2206	3.9000e-004	0.0197	0.0180	0.0377	2.9900e-003	0.0167	0.0197	0.0000	34.6263	34.6263	9.6300e-003	0.0000	34.8671

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3.2 Demolition - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	6.2000e-004	0.0247	3.7000e-003	7.0000e-005	1.5700e-003	8.0000e-005	1.6500e-003	4.3000e-004	8.0000e-005	5.1000e-004	0.0000	6.8696	6.8696	4.0000e-004	0.0000	6.8795
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.0000e-004	6.6000e-004	6.4600e-003	2.0000e-005	1.6400e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.4551	1.4551	5.0000e-005	0.0000	1.4563
Total	1.4200e-003	0.0253	0.0102	9.0000e-005	3.2100e-003	9.0000e-005	3.3100e-003	8.7000e-004	9.0000e-005	9.6000e-004	0.0000	8.3247	8.3247	4.5000e-004	0.0000	8.3358

3.3 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					0.0452	0.0000	0.0452	0.0248	0.0000	0.0248	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0108	0.1139	0.0552	9.0000e-005		5.9800e-003	5.9800e-003		5.5000e-003	5.5000e-003	0.0000	8.5422	8.5422	2.7000e-003	0.0000	8.6097
Total	0.0108	0.1139	0.0552	9.0000e-005	0.0452	5.9800e-003	0.0512	0.0248	5.5000e-003	0.0303	0.0000	8.5422	8.5422	2.7000e-003	0.0000	8.6097

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3.3 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	2.4000e-004	2.0000e-004	1.9400e-003	0.0000	4.9000e-004	0.0000	5.0000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.4365	0.4365	1.0000e-005	0.0000	0.4369
Total	2.4000e-004	2.0000e-004	1.9400e-003	0.0000	4.9000e-004	0.0000	5.0000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.4365	0.4365	1.0000e-005	0.0000	0.4369

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.0452	0.0000	0.0452	0.0248	0.0000	0.0248	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0108	0.1139	0.0552	9.0000e-005		5.9800e-003	5.9800e-003		5.5000e-003	5.5000e-003	0.0000	8.5422	8.5422	2.7000e-003	0.0000	8.6097
Total	0.0108	0.1139	0.0552	9.0000e-005	0.0452	5.9800e-003	0.0512	0.0248	5.5000e-003	0.0303	0.0000	8.5422	8.5422	2.7000e-003	0.0000	8.6097

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3.3 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	2.4000e-004	2.0000e-004	1.9400e-003	0.0000	4.9000e-004	0.0000	5.0000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.4365	0.4365	1.0000e-005	0.0000	0.4369
Total	2.4000e-004	2.0000e-004	1.9400e-003	0.0000	4.9000e-004	0.0000	5.0000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.4365	0.4365	1.0000e-005	0.0000	0.4369

3.4 Grading - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0262	0.0000	0.0262	0.0135	0.0000	0.0135	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0103	0.1134	0.0652	1.2000e-004		5.5900e-003	5.5900e-003		5.1400e-003	5.1400e-003	0.0000	10.6569	10.6569	3.3700e-003	0.0000	10.7412
Total	0.0103	0.1134	0.0652	1.2000e-004	0.0262	5.5900e-003	0.0318	0.0135	5.1400e-003	0.0186	0.0000	10.6569	10.6569	3.3700e-003	0.0000	10.7412

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3.4 Grading - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.2000e-004	2.6000e-004	2.5800e-003	1.0000e-005	6.6000e-004	0.0000	6.6000e-004	1.7000e-004	0.0000	1.8000e-004	0.0000	0.5820	0.5820	2.0000e-005	0.0000	0.5825
Total	3.2000e-004	2.6000e-004	2.5800e-003	1.0000e-005	6.6000e-004	0.0000	6.6000e-004	1.7000e-004	0.0000	1.8000e-004	0.0000	0.5820	0.5820	2.0000e-005	0.0000	0.5825

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.0262	0.0000	0.0262	0.0135	0.0000	0.0135	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0103	0.1134	0.0652	1.2000e-004		5.5900e-003	5.5900e-003		5.1400e-003	5.1400e-003	0.0000	10.6569	10.6569	3.3700e-003	0.0000	10.7412
Total	0.0103	0.1134	0.0652	1.2000e-004	0.0262	5.5900e-003	0.0318	0.0135	5.1400e-003	0.0186	0.0000	10.6569	10.6569	3.3700e-003	0.0000	10.7412

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3.4 Grading - 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	3.2000e-004	2.6000e-004	2.5800e-003	1.0000e-005	6.6000e-004	0.0000	6.6000e-004	1.7000e-004	0.0000	1.8000e-004	0.0000	0.5820	0.5820	2.0000e-005	0.0000	0.5825
Total	3.2000e-004	2.6000e-004	2.5800e-003	1.0000e-005	6.6000e-004	0.0000	6.6000e-004	1.7000e-004	0.0000	1.8000e-004	0.0000	0.5820	0.5820	2.0000e-005	0.0000	0.5825

3.5 Building Construction - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1192	1.0645	0.8668	1.3600e-003		0.0651	0.0651		0.0612	0.0612	0.0000	118.7276	118.7276	0.0289	0.0000	119.4507
Total	0.1192	1.0645	0.8668	1.3600e-003		0.0651	0.0651		0.0612	0.0612	0.0000	118.7276	118.7276	0.0289	0.0000	119.4507

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3.5 Building Construction - 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	5.1700e-003	0.1651	0.0358	3.8000e-004	8.9200e-003	1.0200e-003	9.9400e-003	2.5700e-003	9.8000e-004	3.5500e-003	0.0000	36.3516	36.3516	2.6200e-003	0.0000	36.4171
Worker	0.0244	0.0199	0.1958	4.9000e-004	0.0498	3.4000e-004	0.0502	0.0132	3.1000e-004	0.0136	0.0000	44.0895	44.0895	1.4600e-003	0.0000	44.1259
Total	0.0296	0.1850	0.2316	8.7000e-004	0.0588	1.3600e-003	0.0601	0.0158	1.2900e-003	0.0171	0.0000	80.4411	80.4411	4.0800e-003	0.0000	80.5429

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.1192	1.0645	0.8668	1.3600e-003		0.0651	0.0651		0.0612	0.0612	0.0000	118.7275	118.7275	0.0289	0.0000	119.4506
Total	0.1192	1.0645	0.8668	1.3600e-003		0.0651	0.0651		0.0612	0.0612	0.0000	118.7275	118.7275	0.0289	0.0000	119.4506

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3.5 Building Construction - 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	5.1700e-003	0.1651	0.0358	3.8000e-004	8.9200e-003	1.0200e-003	9.9400e-003	2.5700e-003	9.8000e-004	3.5500e-003	0.0000	36.3516	36.3516	2.6200e-003	0.0000	36.4171
Worker	0.0244	0.0199	0.1958	4.9000e-004	0.0498	3.4000e-004	0.0502	0.0132	3.1000e-004	0.0136	0.0000	44.0895	44.0895	1.4600e-003	0.0000	44.1259
Total	0.0296	0.1850	0.2316	8.7000e-004	0.0588	1.3600e-003	0.0601	0.0158	1.2900e-003	0.0171	0.0000	80.4411	80.4411	4.0800e-003	0.0000	80.5429

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	0.1367	1.2375	1.0867	1.7400e-003		0.0721	0.0721		0.0678	0.0678	0.0000	149.3884	149.3884	0.0365	0.0000	150.2996
Total	0.1367	1.2375	1.0867	1.7400e-003		0.0721	0.0721		0.0678	0.0678	0.0000	149.3884	149.3884	0.0365	0.0000	150.2996

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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	5.6000e-003	0.1928	0.0403	4.8000e-004	0.0114	8.8000e-004	0.0123	3.2900e-003	8.4000e-004	4.1300e-003	0.0000	46.1103	46.1103	3.1900e-003	0.0000	46.1900
Worker	0.0287	0.0225	0.2252	6.0000e-004	0.0637	4.3000e-004	0.0641	0.0169	3.9000e-004	0.0173	0.0000	54.5566	54.5566	1.6400e-003	0.0000	54.5975
Total	0.0343	0.2153	0.2655	1.0800e-003	0.0750	1.3100e-003	0.0764	0.0202	1.2300e-003	0.0214	0.0000	100.6668	100.6668	4.8300e-003	0.0000	100.7876

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.1367	1.2375	1.0867	1.7400e-003		0.0721	0.0721		0.0678	0.0678	0.0000	149.3883	149.3883	0.0365	0.0000	150.2994
Total	0.1367	1.2375	1.0867	1.7400e-003		0.0721	0.0721		0.0678	0.0678	0.0000	149.3883	149.3883	0.0365	0.0000	150.2994

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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	5.6000e-003	0.1928	0.0403	4.8000e-004	0.0114	8.8000e-004	0.0123	3.2900e-003	8.4000e-004	4.1300e-003	0.0000	46.1103	46.1103	3.1900e-003	0.0000	46.1900
Worker	0.0287	0.0225	0.2252	6.0000e-004	0.0637	4.3000e-004	0.0641	0.0169	3.9000e-004	0.0173	0.0000	54.5566	54.5566	1.6400e-003	0.0000	54.5975
Total	0.0343	0.2153	0.2655	1.0800e-003	0.0750	1.3100e-003	0.0764	0.0202	1.2300e-003	0.0214	0.0000	100.6668	100.6668	4.8300e-003	0.0000	100.7876

3.6 Paving - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0107	0.1062	0.1105	1.7000e-004		5.8600e-003	5.8600e-003		5.4000e-003	5.4000e-003	0.0000	14.7348	14.7348	4.6300e-003	0.0000	14.8506
Paving	1.9700e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0126	0.1062	0.1105	1.7000e-004		5.8600e-003	5.8600e-003		5.4000e-003	5.4000e-003	0.0000	14.7348	14.7348	4.6300e-003	0.0000	14.8506

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3.6 Paving - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.9000e-004	7.0000e-004	6.9800e-003	2.0000e-005	1.9700e-003	1.0000e-005	1.9900e-003	5.2000e-004	1.0000e-005	5.4000e-004	0.0000	1.6917	1.6917	5.0000e-005	0.0000	1.6930
Total	8.9000e-004	7.0000e-004	6.9800e-003	2.0000e-005	1.9700e-003	1.0000e-005	1.9900e-003	5.2000e-004	1.0000e-005	5.4000e-004	0.0000	1.6917	1.6917	5.0000e-005	0.0000	1.6930

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0107	0.1062	0.1105	1.7000e-004		5.8600e-003	5.8600e-003		5.4000e-003	5.4000e-003	0.0000	14.7348	14.7348	4.6300e-003	0.0000	14.8506
Paving	1.9700e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0126	0.1062	0.1105	1.7000e-004		5.8600e-003	5.8600e-003		5.4000e-003	5.4000e-003	0.0000	14.7348	14.7348	4.6300e-003	0.0000	14.8506

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3.6 Paving - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.9000e-004	7.0000e-004	6.9800e-003	2.0000e-005	1.9700e-003	1.0000e-005	1.9900e-003	5.2000e-004	1.0000e-005	5.4000e-004	0.0000	1.6917	1.6917	5.0000e-005	0.0000	1.6930
Total	8.9000e-004	7.0000e-004	6.9800e-003	2.0000e-005	1.9700e-003	1.0000e-005	1.9900e-003	5.2000e-004	1.0000e-005	5.4000e-004	0.0000	1.6917	1.6917	5.0000e-005	0.0000	1.6930

3.7 Architectural Coating - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.2056					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.1800e-003	0.0152	0.0165	3.0000e-005		1.0000e-003	1.0000e-003		1.0000e-003	1.0000e-003	0.0000	2.2979	2.2979	1.8000e-004	0.0000	2.3024
Total	0.2077	0.0152	0.0165	3.0000e-005		1.0000e-003	1.0000e-003		1.0000e-003	1.0000e-003	0.0000	2.2979	2.2979	1.8000e-004	0.0000	2.3024

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3.7 Architectural Coating - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.0000e-004	6.3000e-004	6.2800e-003	2.0000e-005	1.7800e-003	1.0000e-005	1.7900e-003	4.7000e-004	1.0000e-005	4.8000e-004	0.0000	1.5225	1.5225	5.0000e-005	0.0000	1.5237
Total	8.0000e-004	6.3000e-004	6.2800e-003	2.0000e-005	1.7800e-003	1.0000e-005	1.7900e-003	4.7000e-004	1.0000e-005	4.8000e-004	0.0000	1.5225	1.5225	5.0000e-005	0.0000	1.5237

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.2056					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.1800e-003	0.0152	0.0165	3.0000e-005		1.0000e-003	1.0000e-003		1.0000e-003	1.0000e-003	0.0000	2.2979	2.2979	1.8000e-004	0.0000	2.3024
Total	0.2077	0.0152	0.0165	3.0000e-005		1.0000e-003	1.0000e-003		1.0000e-003	1.0000e-003	0.0000	2.2979	2.2979	1.8000e-004	0.0000	2.3024

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3.7 Architectural Coating - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.0000e-004	6.3000e-004	6.2800e-003	2.0000e-005	1.7800e-003	1.0000e-005	1.7900e-003	4.7000e-004	1.0000e-005	4.8000e-004	0.0000	1.5225	1.5225	5.0000e-005	0.0000	1.5237
Total	8.0000e-004	6.3000e-004	6.2800e-003	2.0000e-005	1.7800e-003	1.0000e-005	1.7900e-003	4.7000e-004	1.0000e-005	4.8000e-004	0.0000	1.5225	1.5225	5.0000e-005	0.0000	1.5237

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	0.0866	0.6605	1.0989	4.2400e-003	0.3187	3.1500e-003	0.3219	0.0854	2.9600e-003	0.0884	0.0000	392.7203	392.7203	0.0207	0.0000	393.2372
Unmitigated	0.0866	0.6605	1.0989	4.2400e-003	0.3187	3.1500e-003	0.3219	0.0854	2.9600e-003	0.0884	0.0000	392.7203	392.7203	0.0207	0.0000	393.2372

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Condo/Townhouse	232.40	226.80	193.60	772,472	772,472
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Single Family Housing	19.04	19.82	17.24	64,565	64,565
Total	251.44	246.62	210.84	837,036	837,036

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
Condo/Townhouse	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	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

4.4 Fleet Mix

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Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Condo/Townhouse	0.549952	0.037123	0.179649	0.119457	0.017229	0.005267	0.017877	0.062669	0.001348	0.001607	0.006000	0.000812	0.001010
Other Non-Asphalt Surfaces	0.549952	0.037123	0.179649	0.119457	0.017229	0.005267	0.017877	0.062669	0.001348	0.001607	0.006000	0.000812	0.001010
Parking Lot	0.549952	0.037123	0.179649	0.119457	0.017229	0.005267	0.017877	0.062669	0.001348	0.001607	0.006000	0.000812	0.001010
Single Family Housing	0.549952	0.037123	0.179649	0.119457	0.017229	0.005267	0.017877	0.062669	0.001348	0.001607	0.006000	0.000812	0.001010

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	84.7444	84.7444	3.5000e-003	7.2000e-004	85.0476
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	84.7444	84.7444	3.5000e-003	7.2000e-004	85.0476
NaturalGas Mitigated	5.2200e-003	0.0446	0.0190	2.8000e-004		3.6100e-003	3.6100e-003		3.6100e-003	3.6100e-003	0.0000	51.6419	51.6419	9.9000e-004	9.5000e-004	51.9488
NaturalGas Unmitigated	5.2200e-003	0.0446	0.0190	2.8000e-004		3.6100e-003	3.6100e-003		3.6100e-003	3.6100e-003	0.0000	51.6419	51.6419	9.9000e-004	9.5000e-004	51.9488

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5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Condo/Townhouse	906541	4.8900e-003	0.0418	0.0178	2.7000e-004		3.3800e-003	3.3800e-003		3.3800e-003	3.3800e-003	0.0000	48.3765	48.3765	9.3000e-004	8.9000e-004	48.6640
Other Non-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
Parking Lot	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	61192.3	3.3000e-004	2.8200e-003	1.2000e-003	2.0000e-005		2.3000e-004	2.3000e-004		2.3000e-004	2.3000e-004	0.0000	3.2655	3.2655	6.0000e-005	6.0000e-005	3.2849
Total		5.2200e-003	0.0446	0.0190	2.9000e-004		3.6100e-003	3.6100e-003		3.6100e-003	3.6100e-003	0.0000	51.6419	51.6419	9.9000e-004	9.5000e-004	51.9488

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5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Condo/Townhouse	906541	4.8900e-003	0.0418	0.0178	2.7000e-004		3.3800e-003	3.3800e-003		3.3800e-003	3.3800e-003	0.0000	48.3765	48.3765	9.3000e-004	8.9000e-004	48.6640
Other Non-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
Parking Lot	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	61192.3	3.3000e-004	2.8200e-003	1.2000e-003	2.0000e-005		2.3000e-004	2.3000e-004		2.3000e-004	2.3000e-004	0.0000	3.2655	3.2655	6.0000e-005	6.0000e-005	3.2849
Total		5.2200e-003	0.0446	0.0190	2.9000e-004		3.6100e-003	3.6100e-003		3.6100e-003	3.6100e-003	0.0000	51.6419	51.6419	9.9000e-004	9.5000e-004	51.9488

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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			
Condo/Townhouse	225682	71.9073	2.9700e-003	6.1000e-004	72.1645
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	22856.8	7.2827	3.0000e-004	6.0000e-005	7.3087
Single Family Housing	17433	5.5545	2.3000e-004	5.0000e-005	5.5744
Total		84.7444	3.5000e-003	7.2000e-004	85.0476

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5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Condo/Townhouse	225682	71.9073	2.9700e-003	6.1000e-004	72.1645
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	22856.8	7.2827	3.0000e-004	6.0000e-005	7.3087
Single Family Housing	17433	5.5545	2.3000e-004	5.0000e-005	5.5744
Total		84.7444	3.5000e-003	7.2000e-004	85.0476

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	0.3951	0.0159	0.7029	7.0000e-004		0.0425	0.0425		0.0425	0.0425	4.4612	9.2840	13.7452	0.0140	3.0000e-004	14.1854
Unmitigated	0.3951	0.0159	0.7029	7.0000e-004		0.0425	0.0425		0.0425	0.0425	4.4612	9.2840	13.7452	0.0140	3.0000e-004	14.1854

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	0.0206					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.2236					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.1376	0.0109	0.2670	6.8000e-004		0.0401	0.0401		0.0401	0.0401	4.4612	8.5729	13.0341	0.0133	3.0000e-004	13.4569
Landscaping	0.0133	5.0300e-003	0.4359	2.0000e-005		2.4000e-003	2.4000e-003		2.4000e-003	2.4000e-003	0.0000	0.7111	0.7111	7.0000e-004	0.0000	0.7285
Total	0.3951	0.0159	0.7029	7.0000e-004		0.0425	0.0425		0.0425	0.0425	4.4612	9.2840	13.7452	0.0140	3.0000e-004	14.1854

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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	0.0206					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.2236					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.1376	0.0109	0.2670	6.8000e-004		0.0401	0.0401		0.0401	0.0401	4.4612	8.5729	13.0341	0.0133	3.0000e-004	13.4569
Landscaping	0.0133	5.0300e-003	0.4359	2.0000e-005		2.4000e-003	2.4000e-003		2.4000e-003	2.4000e-003	0.0000	0.7111	0.7111	7.0000e-004	0.0000	0.7285
Total	0.3951	0.0159	0.7029	7.0000e-004		0.0425	0.0425		0.0425	0.0425	4.4612	9.2840	13.7452	0.0140	3.0000e-004	14.1854

7.0 Water Detail

7.1 Mitigation Measures Water

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	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	18.3280	0.0899	2.2500e-003	21.2471
Unmitigated	18.3280	0.0899	2.2500e-003	21.2471

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Condo/Townhouse	2.60616 / 1.64301	17.4553	0.0856	2.1500e-003	20.2353
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	0.130308 / 0.0821507	0.8728	4.2800e-003	1.1000e-004	1.0118
Total		18.3280	0.0899	2.2600e-003	21.2471

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7.2 Water by Land Use**Mitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Condo/Townhouse	2.60616 / 1.64301	17.4553	0.0856	2.1500e-003	20.2353
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	0.130308 / 0.0821507	0.8728	4.2800e-003	1.1000e-004	1.0118
Total		18.3280	0.0899	2.2600e-003	21.2471

8.0 Waste Detail**8.1 Mitigation Measures Waste**

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Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	4.2344	0.2503	0.0000	10.4905
Unmitigated	4.2344	0.2503	0.0000	10.4905

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Condo/Townhouse	18.4	3.7350	0.2207	0.0000	9.2534
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	2.46	0.4994	0.0295	0.0000	1.2371
Total		4.2344	0.2502	0.0000	10.4905

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8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Condo/Townhouse	18.4	3.7350	0.2207	0.0000	9.2534
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	2.46	0.4994	0.0295	0.0000	1.2371
Total		4.2344	0.2502	0.0000	10.4905

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

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

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

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Equipment Type	Number
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11.0 Vegetation
