

Valley Blvd Multi-Family Residential - South Coast Air Basin, Annual

Valley Blvd Multi-Family Residential

South Coast Air Basin, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Parking Lot	195.00	Space	0.81	78,000.00	0
Health Club	2.40	1000sqft	0.06	2,400.00	0
Apartments Mid Rise	83.00	Dwelling Unit	1.94	83,000.00	237

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	31
Climate Zone	9			Operational Year	2023
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

Project Characteristics -

Land Use - 2.81 acre site

Construction Phase - Demo: 5 days, Grading: 5 days, Construction: 220 days, Paving: 10 days

Vehicle Trips - trip rates per traffic report

Construction Off-road Equipment Mitigation -

Area Mitigation -

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Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	20.00	5.00
tblConstructionPhase	NumDays	6.00	5.00
tblConstructionPhase	PhaseEndDate	1/28/2022	1/7/2022
tblConstructionPhase	PhaseEndDate	2/7/2022	2/4/2022
tblLandUse	LotAcreage	1.75	0.81
tblLandUse	LotAcreage	2.18	1.94
tblVehicleTrips	ST_TR	6.39	7.32
tblVehicleTrips	ST_TR	20.87	30.00
tblVehicleTrips	SU_TR	5.86	7.32
tblVehicleTrips	SU_TR	26.73	30.00
tblVehicleTrips	WD_TR	6.65	7.32
tblVehicleTrips	WD_TR	32.93	30.00

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					
2022	0.3786	1.9926	2.0940	4.6300e-003	0.1502	0.0851	0.2353	0.0451	0.0813	0.1264	0.0000	401.6965	401.6965	0.0555	0.0000	403.0833
2023	0.1698	4.0500e-003	7.1300e-003	1.0000e-005	6.3000e-004	2.2000e-004	8.4000e-004	1.7000e-004	2.2000e-004	3.8000e-004	0.0000	1.2722	1.2722	6.0000e-005	0.0000	1.2736
Maximum	0.3786	1.9926	2.0940	4.6300e-003	0.1502	0.0851	0.2353	0.0451	0.0813	0.1264	0.0000	401.6965	401.6965	0.0555	0.0000	403.0833

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					
2022	0.3786	1.9926	2.0940	4.6300e-003	0.1382	0.0851	0.2233	0.0390	0.0813	0.1203	0.0000	401.6962	401.6962	0.0555	0.0000	403.0830
2023	0.1698	4.0500e-003	7.1300e-003	1.0000e-005	6.3000e-004	2.2000e-004	8.4000e-004	1.7000e-004	2.2000e-004	3.8000e-004	0.0000	1.2722	1.2722	6.0000e-005	0.0000	1.2736
Maximum	0.3786	1.9926	2.0940	4.6300e-003	0.1382	0.0851	0.2233	0.0390	0.0813	0.1203	0.0000	401.6962	401.6962	0.0555	0.0000	403.0830

	ROG	NOx	CO	SO2	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	7.95	0.00	5.08	13.62	0.00	4.86	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	1-1-2022	3-31-2022	0.4487	0.4487
2	4-1-2022	6-30-2022	0.6214	0.6214
3	7-1-2022	9-30-2022	0.6282	0.6282
4	10-1-2022	12-31-2022	0.6567	0.6567
5	1-1-2023	3-31-2023	0.1863	0.1863
		Highest	0.6567	0.6567

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	0.6397	0.0314	1.3863	1.3900e-003		0.0840	0.0840		0.0840	0.0840	8.8162	18.3448	27.1609	0.0277	6.0000e-004	28.0305
Energy	6.2300e-003	0.0534	0.0236	3.4000e-004		4.3000e-003	4.3000e-003		4.3000e-003	4.3000e-003	0.0000	185.8950	185.8950	6.3100e-003	2.1900e-003	186.7059
Mobile	0.2282	1.2305	3.1073	0.0105	0.8470	0.0108	0.8578	0.2270	0.0101	0.2371	0.0000	971.8208	971.8208	0.0498	0.0000	973.0655
Waste						0.0000	0.0000		0.0000	0.0000	10.5271	0.0000	10.5271	0.6221	0.0000	26.0805
Water						0.0000	0.0000		0.0000	0.0000	1.7607	35.4009	37.1615	0.1823	4.5700e-003	43.0816
Total	0.8742	1.3153	4.5172	0.0123	0.8470	0.0991	0.9461	0.2270	0.0984	0.3254	21.1040	1,211.4614	1,232.5654	0.8882	7.3600e-003	1,256.9639

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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	0.3696	0.0254	0.8653	1.4000e-004		6.0000e-003	6.0000e-003		6.0000e-003	6.0000e-003	0.0000	19.3413	19.3413	1.7000e-003	3.3000e-004	19.4819
Energy	6.2300e-003	0.0534	0.0236	3.4000e-004		4.3000e-003	4.3000e-003		4.3000e-003	4.3000e-003	0.0000	185.8950	185.8950	6.3100e-003	2.1900e-003	186.7059
Mobile	0.2282	1.2305	3.1073	0.0105	0.8470	0.0108	0.8578	0.2270	0.0101	0.2371	0.0000	971.8208	971.8208	0.0498	0.0000	973.0655
Waste						0.0000	0.0000		0.0000	0.0000	10.5271	0.0000	10.5271	0.6221	0.0000	26.0805
Water						0.0000	0.0000		0.0000	0.0000	1.7607	35.4009	37.1615	0.1823	4.5700e-003	43.0816
Total	0.6041	1.3092	3.9962	0.0110	0.8470	0.0211	0.8681	0.2270	0.0204	0.2474	12.2878	1,212.4580	1,224.7458	0.8622	7.0900e-003	1,248.4153

	ROG	NOx	CO	SO2	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	30.89	0.46	11.53	10.19	0.00	78.72	8.24	0.00	79.25	23.97	41.78	-0.08	0.63	2.92	3.67	0.68

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	1/1/2022	1/7/2022	5	5	
2	Grading	Grading	1/29/2022	2/4/2022	5	5	
3	Building Construction	Building Construction	2/8/2022	12/12/2022	5	220	
4	Paving	Paving	12/13/2022	12/26/2022	5	10	
5	Architectural Coating	Architectural Coating	12/27/2022	1/9/2023	5	10	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 3

Acres of Paving: 0.81

Residential Indoor: 168,075; Residential Outdoor: 56,025; Non-Residential Indoor: 3,600; Non-Residential Outdoor: 1,200; Striped Parking Area: 4,680 (Architectural Coating – sqft)

OffRoad Equipment

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

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	5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	8	94.00	22.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	19.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

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3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 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	4.2200e-003	0.0416	0.0349	6.0000e-005		2.0900e-003	2.0900e-003		1.9600e-003	1.9600e-003	0.0000	5.2694	5.2694	1.3400e-003	0.0000	5.3030
Total	4.2200e-003	0.0416	0.0349	6.0000e-005		2.0900e-003	2.0900e-003		1.9600e-003	1.9600e-003	0.0000	5.2694	5.2694	1.3400e-003	0.0000	5.3030

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3.2 Demolition - 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	1.0500e-003	0.0000	3.6000e-004	0.0000	3.6000e-004	9.0000e-005	0.0000	1.0000e-004	0.0000	0.2998	0.2998	1.0000e-005	0.0000	0.3000
Total	1.3000e-004	9.0000e-005	1.0500e-003	0.0000	3.6000e-004	0.0000	3.6000e-004	9.0000e-005	0.0000	1.0000e-004	0.0000	0.2998	0.2998	1.0000e-005	0.0000	0.3000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	4.2200e-003	0.0416	0.0349	6.0000e-005		2.0900e-003	2.0900e-003		1.9600e-003	1.9600e-003	0.0000	5.2694	5.2694	1.3400e-003	0.0000	5.3030
Total	4.2200e-003	0.0416	0.0349	6.0000e-005		2.0900e-003	2.0900e-003		1.9600e-003	1.9600e-003	0.0000	5.2694	5.2694	1.3400e-003	0.0000	5.3030

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3.2 Demolition - 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	1.0500e-003	0.0000	3.6000e-004	0.0000	3.6000e-004	9.0000e-005	0.0000	1.0000e-004	0.0000	0.2998	0.2998	1.0000e-005	0.0000	0.3000
Total	1.3000e-004	9.0000e-005	1.0500e-003	0.0000	3.6000e-004	0.0000	3.6000e-004	9.0000e-005	0.0000	1.0000e-004	0.0000	0.2998	0.2998	1.0000e-005	0.0000	0.3000

3.3 Grading - 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					
Fugitive Dust					0.0197	0.0000	0.0197	0.0101	0.0000	0.0101	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.8500e-003	0.0425	0.0231	5.0000e-005		1.8600e-003	1.8600e-003		1.7100e-003	1.7100e-003	0.0000	4.5257	4.5257	1.4600e-003	0.0000	4.5623
Total	3.8500e-003	0.0425	0.0231	5.0000e-005	0.0197	1.8600e-003	0.0215	0.0101	1.7100e-003	0.0118	0.0000	4.5257	4.5257	1.4600e-003	0.0000	4.5623

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3.3 Grading - 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	1.0000e-004	7.0000e-005	8.1000e-004	0.0000	2.7000e-004	0.0000	2.8000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.2306	0.2306	1.0000e-005	0.0000	0.2307
Total	1.0000e-004	7.0000e-005	8.1000e-004	0.0000	2.7000e-004	0.0000	2.8000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.2306	0.2306	1.0000e-005	0.0000	0.2307

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					7.6700e-003	0.0000	7.6700e-003	3.9400e-003	0.0000	3.9400e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.8500e-003	0.0425	0.0231	5.0000e-005		1.8600e-003	1.8600e-003		1.7100e-003	1.7100e-003	0.0000	4.5257	4.5257	1.4600e-003	0.0000	4.5623
Total	3.8500e-003	0.0425	0.0231	5.0000e-005	7.6700e-003	1.8600e-003	9.5300e-003	3.9400e-003	1.7100e-003	5.6500e-003	0.0000	4.5257	4.5257	1.4600e-003	0.0000	4.5623

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3.3 Grading - 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	1.0000e-004	7.0000e-005	8.1000e-004	0.0000	2.7000e-004	0.0000	2.8000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.2306	0.2306	1.0000e-005	0.0000	0.2307
Total	1.0000e-004	7.0000e-005	8.1000e-004	0.0000	2.7000e-004	0.0000	2.8000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.2306	0.2306	1.0000e-005	0.0000	0.2307

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	0.2041	1.6064	1.5789	2.7500e-003		0.0772	0.0772		0.0740	0.0740	0.0000	228.4481	228.4481	0.0441	0.0000	229.5500
Total	0.2041	1.6064	1.5789	2.7500e-003		0.0772	0.0772		0.0740	0.0740	0.0000	228.4481	228.4481	0.0441	0.0000	229.5500

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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	6.5300e-003	0.2234	0.0563	6.0000e-004	0.0153	4.2000e-004	0.0157	4.4000e-003	4.0000e-004	4.8000e-003	0.0000	58.2401	58.2401	3.6600e-003	0.0000	58.3315
Worker	0.0404	0.0288	0.3332	1.0500e-003	0.1134	8.3000e-004	0.1143	0.0301	7.7000e-004	0.0309	0.0000	95.3748	95.3748	2.4000e-003	0.0000	95.4349
Total	0.0469	0.2522	0.3896	1.6500e-003	0.1287	1.2500e-003	0.1299	0.0345	1.1700e-003	0.0357	0.0000	153.6149	153.6149	6.0600e-003	0.0000	153.7664

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	0.2041	1.6064	1.5789	2.7500e-003		0.0772	0.0772		0.0740	0.0740	0.0000	228.4478	228.4478	0.0441	0.0000	229.5497
Total	0.2041	1.6064	1.5789	2.7500e-003		0.0772	0.0772		0.0740	0.0740	0.0000	228.4478	228.4478	0.0441	0.0000	229.5497

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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	6.5300e-003	0.2234	0.0563	6.0000e-004	0.0153	4.2000e-004	0.0157	4.4000e-003	4.0000e-004	4.8000e-003	0.0000	58.2401	58.2401	3.6600e-003	0.0000	58.3315
Worker	0.0404	0.0288	0.3332	1.0500e-003	0.1134	8.3000e-004	0.1143	0.0301	7.7000e-004	0.0309	0.0000	95.3748	95.3748	2.4000e-003	0.0000	95.4349
Total	0.0469	0.2522	0.3896	1.6500e-003	0.1287	1.2500e-003	0.1299	0.0345	1.1700e-003	0.0357	0.0000	153.6149	153.6149	6.0600e-003	0.0000	153.7664

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	4.7100e-003	0.0467	0.0585	9.0000e-005		2.4400e-003	2.4400e-003		2.2500e-003	2.2500e-003	0.0000	7.7550	7.7550	2.4600e-003	0.0000	7.8165
Paving	1.0600e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	5.7700e-003	0.0467	0.0585	9.0000e-005		2.4400e-003	2.4400e-003		2.2500e-003	2.2500e-003	0.0000	7.7550	7.7550	2.4600e-003	0.0000	7.8165

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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	2.9000e-004	2.1000e-004	2.4200e-003	1.0000e-005	8.2000e-004	1.0000e-005	8.3000e-004	2.2000e-004	1.0000e-005	2.2000e-004	0.0000	0.6918	0.6918	2.0000e-005	0.0000	0.6922
Total	2.9000e-004	2.1000e-004	2.4200e-003	1.0000e-005	8.2000e-004	1.0000e-005	8.3000e-004	2.2000e-004	1.0000e-005	2.2000e-004	0.0000	0.6918	0.6918	2.0000e-005	0.0000	0.6922

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	4.7100e-003	0.0467	0.0585	9.0000e-005		2.4400e-003	2.4400e-003		2.2500e-003	2.2500e-003	0.0000	7.7550	7.7550	2.4600e-003	0.0000	7.8165
Paving	1.0600e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	5.7700e-003	0.0467	0.0585	9.0000e-005		2.4400e-003	2.4400e-003		2.2500e-003	2.2500e-003	0.0000	7.7550	7.7550	2.4600e-003	0.0000	7.8165

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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	2.9000e-004	2.1000e-004	2.4200e-003	1.0000e-005	8.2000e-004	1.0000e-005	8.3000e-004	2.2000e-004	1.0000e-005	2.2000e-004	0.0000	0.6918	0.6918	2.0000e-005	0.0000	0.6922
Total	2.9000e-004	2.1000e-004	2.4200e-003	1.0000e-005	8.2000e-004	1.0000e-005	8.3000e-004	2.2000e-004	1.0000e-005	2.2000e-004	0.0000	0.6918	0.6918	2.0000e-005	0.0000	0.6922

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	0.1127					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.1000e-004	2.8200e-003	3.6300e-003	1.0000e-005		1.6000e-004	1.6000e-004		1.6000e-004	1.6000e-004	0.0000	0.5107	0.5107	3.0000e-005	0.0000	0.5115
Total	0.1131	2.8200e-003	3.6300e-003	1.0000e-005		1.6000e-004	1.6000e-004		1.6000e-004	1.6000e-004	0.0000	0.5107	0.5107	3.0000e-005	0.0000	0.5115

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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	1.5000e-004	1.1000e-004	1.2200e-003	0.0000	4.2000e-004	0.0000	4.2000e-004	1.1000e-004	0.0000	1.1000e-004	0.0000	0.3505	0.3505	1.0000e-005	0.0000	0.3507
Total	1.5000e-004	1.1000e-004	1.2200e-003	0.0000	4.2000e-004	0.0000	4.2000e-004	1.1000e-004	0.0000	1.1000e-004	0.0000	0.3505	0.3505	1.0000e-005	0.0000	0.3507

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	0.1127					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.1000e-004	2.8200e-003	3.6300e-003	1.0000e-005		1.6000e-004	1.6000e-004		1.6000e-004	1.6000e-004	0.0000	0.5107	0.5107	3.0000e-005	0.0000	0.5115
Total	0.1131	2.8200e-003	3.6300e-003	1.0000e-005		1.6000e-004	1.6000e-004		1.6000e-004	1.6000e-004	0.0000	0.5107	0.5107	3.0000e-005	0.0000	0.5115

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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	1.5000e-004	1.1000e-004	1.2200e-003	0.0000	4.2000e-004	0.0000	4.2000e-004	1.1000e-004	0.0000	1.1000e-004	0.0000	0.3505	0.3505	1.0000e-005	0.0000	0.3507
Total	1.5000e-004	1.1000e-004	1.2200e-003	0.0000	4.2000e-004	0.0000	4.2000e-004	1.1000e-004	0.0000	1.1000e-004	0.0000	0.3505	0.3505	1.0000e-005	0.0000	0.3507

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	0.1690					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.7000e-004	3.9100e-003	5.4300e-003	1.0000e-005		2.1000e-004	2.1000e-004		2.1000e-004	2.1000e-004	0.0000	0.7660	0.7660	5.0000e-005	0.0000	0.7671
Total	0.1696	3.9100e-003	5.4300e-003	1.0000e-005		2.1000e-004	2.1000e-004		2.1000e-004	2.1000e-004	0.0000	0.7660	0.7660	5.0000e-005	0.0000	0.7671

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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	2.1000e-004	1.4000e-004	1.6900e-003	1.0000e-005	6.3000e-004	0.0000	6.3000e-004	1.7000e-004	0.0000	1.7000e-004	0.0000	0.5062	0.5062	1.0000e-005	0.0000	0.5065
Total	2.1000e-004	1.4000e-004	1.6900e-003	1.0000e-005	6.3000e-004	0.0000	6.3000e-004	1.7000e-004	0.0000	1.7000e-004	0.0000	0.5062	0.5062	1.0000e-005	0.0000	0.5065

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	0.1690					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.7000e-004	3.9100e-003	5.4300e-003	1.0000e-005		2.1000e-004	2.1000e-004		2.1000e-004	2.1000e-004	0.0000	0.7660	0.7660	5.0000e-005	0.0000	0.7671
Total	0.1696	3.9100e-003	5.4300e-003	1.0000e-005		2.1000e-004	2.1000e-004		2.1000e-004	2.1000e-004	0.0000	0.7660	0.7660	5.0000e-005	0.0000	0.7671

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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	2.1000e-004	1.4000e-004	1.6900e-003	1.0000e-005	6.3000e-004	0.0000	6.3000e-004	1.7000e-004	0.0000	1.7000e-004	0.0000	0.5062	0.5062	1.0000e-005	0.0000	0.5065
Total	2.1000e-004	1.4000e-004	1.6900e-003	1.0000e-005	6.3000e-004	0.0000	6.3000e-004	1.7000e-004	0.0000	1.7000e-004	0.0000	0.5062	0.5062	1.0000e-005	0.0000	0.5065

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	0.2282	1.2305	3.1073	0.0105	0.8470	0.0108	0.8578	0.2270	0.0101	0.2371	0.0000	971.8208	971.8208	0.0498	0.0000	973.0655
Unmitigated	0.2282	1.2305	3.1073	0.0105	0.8470	0.0108	0.8578	0.2270	0.0101	0.2371	0.0000	971.8208	971.8208	0.0498	0.0000	973.0655

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	607.56	607.56	607.56	2,076,125	2,076,125
Health Club	72.00	72.00	72.00	153,991	153,991
Parking Lot	0.00	0.00	0.00		
Total	679.56	679.56	679.56	2,230,116	2,230,116

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
Apartments Mid Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Health Club	16.60	8.40	6.90	16.90	64.10	19.00	52	39	9
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

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Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.550339	0.043800	0.200255	0.122233	0.016799	0.005871	0.020633	0.029727	0.002027	0.001932	0.004726	0.000704	0.000955
Health Club	0.550339	0.043800	0.200255	0.122233	0.016799	0.005871	0.020633	0.029727	0.002027	0.001932	0.004726	0.000704	0.000955
Parking Lot	0.550339	0.043800	0.200255	0.122233	0.016799	0.005871	0.020633	0.029727	0.002027	0.001932	0.004726	0.000704	0.000955

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	124.2426	124.2426	5.1300e-003	1.0600e-003	124.6871
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	124.2426	124.2426	5.1300e-003	1.0600e-003	124.6871
NaturalGas Mitigated	6.2300e-003	0.0534	0.0236	3.4000e-004		4.3000e-003	4.3000e-003		4.3000e-003	4.3000e-003	0.0000	61.6524	61.6524	1.1800e-003	1.1300e-003	62.0188
NaturalGas Unmitigated	6.2300e-003	0.0534	0.0236	3.4000e-004		4.3000e-003	4.3000e-003		4.3000e-003	4.3000e-003	0.0000	61.6524	61.6524	1.1800e-003	1.1300e-003	62.0188

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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					
Apartments Mid Rise	1.11188e+006	6.0000e-003	0.0512	0.0218	3.3000e-004		4.1400e-003	4.1400e-003		4.1400e-003	4.1400e-003	0.0000	59.3343	59.3343	1.1400e-003	1.0900e-003	59.6869
Health Club	43440	2.3000e-004	2.1300e-003	1.7900e-003	1.0000e-005		1.6000e-004	1.6000e-004		1.6000e-004	1.6000e-004	0.0000	2.3181	2.3181	4.0000e-005	4.0000e-005	2.3319
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
Total		6.2300e-003	0.0534	0.0236	3.4000e-004		4.3000e-003	4.3000e-003		4.3000e-003	4.3000e-003	0.0000	61.6524	61.6524	1.1800e-003	1.1300e-003	62.0188

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					
Apartments Mid Rise	1.11188e+006	6.0000e-003	0.0512	0.0218	3.3000e-004		4.1400e-003	4.1400e-003		4.1400e-003	4.1400e-003	0.0000	59.3343	59.3343	1.1400e-003	1.0900e-003	59.6869
Health Club	43440	2.3000e-004	2.1300e-003	1.7900e-003	1.0000e-005		1.6000e-004	1.6000e-004		1.6000e-004	1.6000e-004	0.0000	2.3181	2.3181	4.0000e-005	4.0000e-005	2.3319
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
Total		6.2300e-003	0.0534	0.0236	3.4000e-004		4.3000e-003	4.3000e-003		4.3000e-003	4.3000e-003	0.0000	61.6524	61.6524	1.1800e-003	1.1300e-003	62.0188

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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			
Apartments Mid Rise	335998	107.0562	4.4200e-003	9.1000e-004	107.4392
Health Club	26640	8.4881	3.5000e-004	7.0000e-005	8.5184
Parking Lot	27300	8.6984	3.6000e-004	7.0000e-005	8.7295
Total		124.2426	5.1300e-003	1.0500e-003	124.6871

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	335998	107.0562	4.4200e-003	9.1000e-004	107.4392
Health Club	26640	8.4881	3.5000e-004	7.0000e-005	8.5184
Parking Lot	27300	8.6984	3.6000e-004	7.0000e-005	8.7295
Total		124.2426	5.1300e-003	1.0500e-003	124.6871

6.0 Area Detail

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6.1 Mitigation Measures Area

Use only Natural Gas Hearths

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.3696	0.0254	0.8653	1.4000e-004		6.0000e-003	6.0000e-003		6.0000e-003	6.0000e-003	0.0000	19.3413	19.3413	1.7000e-003	3.3000e-004	19.4819
Unmitigated	0.6397	0.0314	1.3863	1.3900e-003		0.0840	0.0840		0.0840	0.0840	8.8162	18.3448	27.1609	0.0277	6.0000e-004	28.0305

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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	0.0282					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.3136					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.2719	0.0215	0.5276	1.3500e-003		0.0793	0.0793		0.0793	0.0793	8.8162	16.9417	25.7579	0.0263	6.0000e-004	26.5935
Landscaping	0.0260	9.8900e-003	0.8587	5.0000e-005		4.7500e-003	4.7500e-003		4.7500e-003	4.7500e-003	0.0000	1.4031	1.4031	1.3600e-003	0.0000	1.4370
Total	0.6397	0.0314	1.3863	1.4000e-003		0.0840	0.0840		0.0840	0.0840	8.8162	18.3448	27.1609	0.0277	6.0000e-004	28.0305

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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	0.0282					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.3136					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	1.8100e-003	0.0155	6.5900e-003	1.0000e-004		1.2500e-003	1.2500e-003		1.2500e-003	1.2500e-003	0.0000	17.9382	17.9382	3.4000e-004	3.3000e-004	18.0448
Landscaping	0.0260	9.8900e-003	0.8587	5.0000e-005		4.7500e-003	4.7500e-003		4.7500e-003	4.7500e-003	0.0000	1.4031	1.4031	1.3600e-003	0.0000	1.4370
Total	0.3696	0.0254	0.8653	1.5000e-004		6.0000e-003	6.0000e-003		6.0000e-003	6.0000e-003	0.0000	19.3413	19.3413	1.7000e-003	3.3000e-004	19.4819

7.0 Water Detail**7.1 Mitigation Measures Water**

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	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	37.1615	0.1823	4.5700e-003	43.0816
Unmitigated	37.1615	0.1823	4.5700e-003	43.0816

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	5.40778 / 3.40926	36.2197	0.1776	4.4600e-003	41.9883
Health Club	0.141944 / 0.0869977	0.9419	4.6600e-003	1.2000e-004	1.0933
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		37.1615	0.1823	4.5800e-003	43.0816

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7.2 Water by Land Use**Mitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	5.40778 / 3.40926	36.2197	0.1776	4.4600e-003	41.9883
Health Club	0.141944 / 0.0869977	0.9419	4.6600e-003	1.2000e-004	1.0933
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		37.1615	0.1823	4.5800e-003	43.0816

8.0 Waste Detail

8.1 Mitigation Measures Waste

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Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	10.5271	0.6221	0.0000	26.0805
Unmitigated	10.5271	0.6221	0.0000	26.0805

8.2 Waste by Land Use**Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	38.18	7.7502	0.4580	0.0000	19.2008
Health Club	13.68	2.7769	0.1641	0.0000	6.8797
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		10.5271	0.6221	0.0000	26.0805

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8.2 Waste by Land Use**Mitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	38.18	7.7502	0.4580	0.0000	19.2008
Health Club	13.68	2.7769	0.1641	0.0000	6.8797
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		10.5271	0.6221	0.0000	26.0805

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment**Fire Pumps and Emergency Generators**

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

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

Equipment Type	Number
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11.0 Vegetation
