

APPENDIX A

Greenhouse Gas Memorandum and Modeling

**California Emissions Estimator Model Memorandum
Evans Lane Residential General Plan Amendment Project**

The California Emissions Estimator Model (CalEEMod) is a program that calculates energy output, greenhouse gas (GHG) emissions and criteria air pollutant emissions associated with land use projects. CalEEMod was used to predict GHG emissions from operation of the future residential project assuming full build-out under the proposed General Plan Amendment (GPA). The future land use at maximum buildout and size of the site, 563 standard mid-rise apartment units on a 5.93-acre site, were input into CalEEMod. The estimated population, assuming full occupation of the maximum number of residential units allowed by the proposed GPA, would be 1,802 residents, which was input into the model. The operational year included in the model was 2022.

The project’s operational GHG emissions were calculated based on estimates of emissions from several sources, including energy consumption, vehicle trips, solid waste generation, and water usage. Table 1 below summarizes the estimated operational GHG emissions of each source shown in Section 4.0 through 8.0 of the CalEEMod output data. The CalEEMod data is included as an attachment to this memorandum.

Table 1: Annual Project GHG Emissions (CO₂e) in Metric Tons	
Source Category	Proposed Project in 2021
Area	44.7
Energy Consumption	569.5
Mobile	1,888.8
Solid Waste Generation	130.2
Water Usage	87.0
Total (MT CO ₂ e/year)	2,720.2

An analysis of the results provided in the CalEEMod data and Table 1 is included in Section 4.8 of the Evans Lane Residential GPA Initial Study.

Evans Lane Residential GPA - Santa Clara County, Annual

Evans Lane Residential GPA
Santa Clara County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments Mid Rise	563.00	Dwelling Unit	5.93	563,000.00	1802

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	58
Climate Zone	4	Operational Year		2022	
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	290	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - PG&E's most recent GHG emissions factor = 290 lbs CO2/MWh

Land Use - Lot acreage = acreage of the project site

Service population based on 2.9 residents per household

Energy Use -

Mobile Land Use Mitigation -

Table Name	Column Name	Default Value	New Value
tblLandUse	LotAcreage	14.82	5.93
tblLandUse	Population	1,610.00	1,802.00
tblProjectCharacteristics	CO2IntensityFactor	641.35	290

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2020	0.1476	1.3081	1.0283	2.2700e-003	0.2257	0.0620	0.2877	0.1021	0.0576	0.1597	0.0000	202.2535	202.2535	0.0365	0.0000	203.1667
2021	4.3036	2.5071	2.8386	7.3300e-003	0.3557	0.1035	0.4592	0.0955	0.0973	0.1927	0.0000	658.9805	658.9805	0.0731	0.0000	660.8078
Maximum	4.3036	2.5071	2.8386	7.3300e-003	0.3557	0.1035	0.4592	0.1021	0.0973	0.1927	0.0000	658.9805	658.9805	0.0731	0.0000	660.8078

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					
2020	0.1476	1.3081	1.0283	2.2700e-003	0.2257	0.0620	0.2877	0.1021	0.0576	0.1597	0.0000	202.2533	202.2533	0.0365	0.0000	203.1666
2021	4.3036	2.5071	2.8386	7.3300e-003	0.3557	0.1035	0.4592	0.0955	0.0973	0.1927	0.0000	658.9802	658.9802	0.0731	0.0000	660.8075
Maximum	4.3036	2.5071	2.8386	7.3300e-003	0.3557	0.1035	0.4592	0.1021	0.0973	0.1927	0.0000	658.9802	658.9802	0.0731	0.0000	660.8075

	ROG	NOx	CO	SO2	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

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)

1	9-2-2020	12-1-2020	1.1201	1.1201
2	12-2-2020	3-1-2021	0.9319	0.9319
3	3-2-2021	6-1-2021	0.9136	0.9136
4	6-2-2021	9-1-2021	0.9102	0.9102
5	9-2-2021	9-30-2021	0.2773	0.2773
		Highest	1.1201	1.1201

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	4.0205	0.0782	5.9736	3.7800e-003		0.2789	0.2789		0.2789	0.2789	25.6670	17.3712	43.0382	0.0478	1.6800e-003	44.7358
Energy	0.0262	0.2241	0.0954	1.4300e-003		0.0181	0.0181		0.0181	0.0181	0.0000	565.2996	565.2996	0.0356	0.0111	569.4914
Mobile	0.8487	3.5964	9.8613	0.0341	3.1429	0.0290	3.1719	0.8413	0.0270	0.8684	0.0000	3,120.812 1	3,120.8121	0.1055	0.0000	3,123.448 6
Waste						0.0000	0.0000		0.0000	0.0000	52.5706	0.0000	52.5706	3.1068	0.0000	130.2414
Water						0.0000	0.0000		0.0000	0.0000	11.6374	36.7559	48.3933	1.1990	0.0290	87.0041
Total	4.8955	3.8987	15.9303	0.0393	3.1429	0.3259	3.4689	0.8413	0.3240	1.1653	89.8750	3,740.238 8	3,830.1138	4.4946	0.0417	3,954.921 3

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	4.0205	0.0782	5.9736	3.7800e-003		0.2789	0.2789		0.2789	0.2789	25.6670	17.3712	43.0382	0.0478	1.6800e-003	44.7358
Energy	0.0262	0.2241	0.0954	1.4300e-003		0.0181	0.0181		0.0181	0.0181	0.0000	565.2996	565.2996	0.0356	0.0111	569.4914
Mobile	0.7271	2.7725	6.7780	0.0206	1.8065	0.0183	1.8247	0.4836	0.0170	0.5006	0.0000	1,887.0209	1,887.0209	0.0728	0.0000	1,888.8414
Waste						0.0000	0.0000		0.0000	0.0000	52.5706	0.0000	52.5706	3.1068	0.0000	130.2414
Water						0.0000	0.0000		0.0000	0.0000	11.6374	36.7559	48.3933	1.1990	0.0290	87.0041
Total	4.7738	3.0747	12.8470	0.0258	1.8065	0.3152	2.1217	0.4836	0.3140	0.7976	89.8750	2,506.4476	2,596.3226	4.4620	0.0417	2,720.3142

	ROG	NOx	CO	SO2	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	2.49	21.13	19.35	34.31	42.52	3.28	38.84	42.52	3.09	31.56	0.00	32.99	32.21	0.73	0.00	31.22

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	9/2/2020	9/29/2020	5	20	
2	Site Preparation	Site Preparation	9/30/2020	10/13/2020	5	10	
3	Grading	Grading	10/14/2020	11/10/2020	5	20	
4	Building Construction	Building Construction	11/11/2020	9/28/2021	5	230	
5	Paving	Paving	9/29/2021	10/26/2021	5	20	
6	Architectural Coating	Architectural Coating	10/27/2021	11/23/2021	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 10

Acres of Paving: 0

Residential Indoor: 1,140,075; Residential Outdoor: 380,025; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking

OffRoad Equipment

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	2	8.00	130	0.42
Paving	Rollers	2	8.00	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	8.00	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

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	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	405.00	60.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	81.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 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	0.0331	0.3320	0.2175	3.9000e-004		0.0166	0.0166		0.0154	0.0154	0.0000	33.9986	33.9986	9.6000e-003	0.0000	34.2386
Total	0.0331	0.3320	0.2175	3.9000e-004		0.0166	0.0166		0.0154	0.0154	0.0000	33.9986	33.9986	9.6000e-003	0.0000	34.2386

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.0000e-004	3.6000e-004	3.7500e-003	1.0000e-005	1.1900e-003	1.0000e-005	1.2000e-003	3.2000e-004	1.0000e-005	3.2000e-004	0.0000	1.0202	1.0202	3.0000e-005	0.0000	1.0209
Total	5.0000e-004	3.6000e-004	3.7500e-003	1.0000e-005	1.1900e-003	1.0000e-005	1.2000e-003	3.2000e-004	1.0000e-005	3.2000e-004	0.0000	1.0202	1.0202	3.0000e-005	0.0000	1.0209

Mitigated Construction On-Site

Off-Road	0.0204	0.2121	0.1076	1.9000e-004		0.0110	0.0110		0.0101	0.0101	0.0000	16.7153	16.7153	5.4100e-003	0.0000	16.8505
Total	0.0204	0.2121	0.1076	1.9000e-004	0.0903	0.0110	0.1013	0.0497	0.0101	0.0598	0.0000	16.7153	16.7153	5.4100e-003	0.0000	16.8505

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	3.0000e-004	2.1000e-004	2.2500e-003	1.0000e-005	7.1000e-004	0.0000	7.2000e-004	1.9000e-004	0.0000	1.9000e-004	0.0000	0.6121	0.6121	2.0000e-005	0.0000	0.6125
Total	3.0000e-004	2.1000e-004	2.2500e-003	1.0000e-005	7.1000e-004	0.0000	7.2000e-004	1.9000e-004	0.0000	1.9000e-004	0.0000	0.6121	0.6121	2.0000e-005	0.0000	0.6125

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					0.0903	0.0000	0.0903	0.0497	0.0000	0.0497	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0204	0.2121	0.1076	1.9000e-004		0.0110	0.0110		0.0101	0.0101	0.0000	16.7153	16.7153	5.4100e-003	0.0000	16.8505
Total	0.0204	0.2121	0.1076	1.9000e-004	0.0903	0.0110	0.1013	0.0497	0.0101	0.0598	0.0000	16.7153	16.7153	5.4100e-003	0.0000	16.8505

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	3.0000e-004	2.1000e-004	2.2500e-003	1.0000e-005	7.1000e-004	0.0000	7.2000e-004	1.9000e-004	0.0000	1.9000e-004	0.0000	0.6121	0.6121	2.0000e-005	0.0000	0.6125
Total	3.0000e-004	2.1000e-004	2.2500e-003	1.0000e-005	7.1000e-004	0.0000	7.2000e-004	1.9000e-004	0.0000	1.9000e-004	0.0000	0.6121	0.6121	2.0000e-005	0.0000	0.6125

3.4 Grading - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0655	0.0000	0.0655	0.0337	0.0000	0.0337	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0243	0.2639	0.1605	3.0000e-004		0.0127	0.0127		0.0117	0.0117	0.0000	26.0588	26.0588	8.4300e-003	0.0000	26.2694
Total	0.0243	0.2639	0.1605	3.0000e-004	0.0655	0.0127	0.0783	0.0337	0.0117	0.0454	0.0000	26.0588	26.0588	8.4300e-003	0.0000	26.2694

Unmitigated Construction Off-Site

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

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.0000e-004	3.6000e-004	3.7500e-003	1.0000e-005	1.1900e-003	1.0000e-005	1.2000e-003	3.2000e-004	1.0000e-005	3.2000e-004	0.0000	1.0202	1.0202	3.0000e-005	0.0000	1.0209
Total	5.0000e-004	3.6000e-004	3.7500e-003	1.0000e-005	1.1900e-003	1.0000e-005	1.2000e-003	3.2000e-004	1.0000e-005	3.2000e-004	0.0000	1.0202	1.0202	3.0000e-005	0.0000	1.0209

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					0.0655	0.0000	0.0655	0.0337	0.0000	0.0337	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0243	0.2639	0.1605	3.0000e-004		0.0127	0.0127		0.0117	0.0117	0.0000	26.0587	26.0587	8.4300e-003	0.0000	26.2694
Total	0.0243	0.2639	0.1605	3.0000e-004	0.0655	0.0127	0.0783	0.0337	0.0117	0.0454	0.0000	26.0587	26.0587	8.4300e-003	0.0000	26.2694

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.0000e-004	3.6000e-004	3.7500e-003	1.0000e-005	1.1900e-003	1.0000e-005	1.2000e-003	3.2000e-004	1.0000e-005	3.2000e-004	0.0000	1.0202	1.0202	3.0000e-005	0.0000	1.0209
Total	5.0000e-004	3.6000e-004	3.7500e-003	1.0000e-005	1.1900e-003	1.0000e-005	1.2000e-003	3.2000e-004	1.0000e-005	3.2000e-004	0.0000	1.0202	1.0202	3.0000e-005	0.0000	1.0209

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	0.0392	0.3549	0.3117	5.0000e-004		0.0207	0.0207		0.0194	0.0194	0.0000	42.8479	42.8479	0.0105	0.0000	43.1092
Total	0.0392	0.3549	0.3117	5.0000e-004		0.0207	0.0207		0.0194	0.0194	0.0000	42.8479	42.8479	0.0105	0.0000	43.1092

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	4.4000e-003	0.1264	0.0337	3.0000e-004	7.3000e-003	6.3000e-004	7.9300e-003	2.1100e-003	6.0000e-004	2.7100e-003	0.0000	29.0202	29.0202	1.3300e-003	0.0000	29.0534
Worker	0.0249	0.0179	0.1875	5.6000e-004	0.0594	3.8000e-004	0.0598	0.0158	3.5000e-004	0.0162	0.0000	50.9602	50.9602	1.2500e-003	0.0000	50.9915
Total	0.0293	0.1443	0.2212	8.6000e-004	0.0667	1.0100e-003	0.0677	0.0179	9.5000e-004	0.0189	0.0000	79.9804	79.9804	2.5800e-003	0.0000	80.0449

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	0.0392	0.3549	0.3117	5.0000e-004		0.0207	0.0207		0.0194	0.0194	0.0000	42.8478	42.8478	0.0105	0.0000	43.1091
Total	0.0392	0.3549	0.3117	5.0000e-004		0.0207	0.0207		0.0194	0.0194	0.0000	42.8478	42.8478	0.0105	0.0000	43.1091

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	4.4000e-003	0.1264	0.0337	3.0000e-004	7.3000e-003	6.3000e-004	7.9300e-003	2.1100e-003	6.0000e-004	2.7100e-003	0.0000	29.0202	29.0202	1.3300e-003	0.0000	29.0534
Worker	0.0249	0.0179	0.1875	5.6000e-004	0.0594	3.8000e-004	0.0598	0.0158	3.5000e-004	0.0162	0.0000	50.9602	50.9602	1.2500e-003	0.0000	50.9915
Total	0.0293	0.1443	0.2212	8.6000e-004	0.0667	1.0100e-003	0.0677	0.0179	9.5000e-004	0.0189	0.0000	79.9804	79.9804	2.5800e-003	0.0000	80.0449

3.5 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1834	1.6822	1.5995	2.6000e-003		0.0925	0.0925		0.0870	0.0870	0.0000	223.5300	223.5300	0.0539	0.0000	224.8782

Total	0.1834	1.6822	1.5995	2.6000e-003		0.0925	0.0925		0.0870	0.0870	0.0000	223.5300	223.5300	0.0539	0.0000	224.8782
--------------	---------------	---------------	---------------	--------------------	--	---------------	---------------	--	---------------	---------------	---------------	-----------------	-----------------	---------------	---------------	-----------------

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	0.0189	0.5950	0.1584	1.5600e-003	0.0381	1.3200e-003	0.0394	0.0110	1.2600e-003	0.0123	0.0000	149.9780	149.9780	6.5400e-003	0.0000	150.1414
Worker	0.1204	0.0834	0.8940	2.8400e-003	0.3100	1.9500e-003	0.3119	0.0824	1.8000e-003	0.0842	0.0000	256.5930	256.5930	5.8400e-003	0.0000	256.7388
Total	0.1393	0.6784	1.0524	4.4000e-003	0.3481	3.2700e-003	0.3513	0.0935	3.0600e-003	0.0965	0.0000	406.5710	406.5710	0.0124	0.0000	406.8803

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	0.1834	1.6822	1.5995	2.6000e-003		0.0925	0.0925		0.0870	0.0870	0.0000	223.5297	223.5297	0.0539	0.0000	224.8779
Total	0.1834	1.6822	1.5995	2.6000e-003		0.0925	0.0925		0.0870	0.0870	0.0000	223.5297	223.5297	0.0539	0.0000	224.8779

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	0.0189	0.5950	0.1584	1.5600e-003	0.0381	1.3200e-003	0.0394	0.0110	1.2600e-003	0.0123	0.0000	149.9780	149.9780	6.5400e-003	0.0000	150.1414
Worker	0.1204	0.0834	0.8940	2.8400e-003	0.3100	1.9500e-003	0.3119	0.0824	1.8000e-003	0.0842	0.0000	256.5930	256.5930	5.8400e-003	0.0000	256.7388
Total	0.1393	0.6784	1.0524	4.4000e-003	0.3481	3.2700e-003	0.3513	0.0935	3.0600e-003	0.0965	0.0000	406.5710	406.5710	0.0124	0.0000	406.8803

3.6 Paving - 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	0.0126	0.1292	0.1465	2.3000e-004		6.7800e-003	6.7800e-003		6.2400e-003	6.2400e-003	0.0000	20.0235	20.0235	6.4800e-003	0.0000	20.1854
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0126	0.1292	0.1465	2.3000e-004		6.7800e-003	6.7800e-003		6.2400e-003	6.2400e-003	0.0000	20.0235	20.0235	6.4800e-003	0.0000	20.1854

Unmitigated Construction Off-Site

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

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.6000e-004	3.2000e-004	3.4300e-003	1.0000e-005	1.1900e-003	1.0000e-005	1.2000e-003	3.2000e-004	1.0000e-005	3.2000e-004	0.0000	0.9848	0.9848	2.0000e-005	0.0000	0.9854
Total	4.6000e-004	3.2000e-004	3.4300e-003	1.0000e-005	1.1900e-003	1.0000e-005	1.2000e-003	3.2000e-004	1.0000e-005	3.2000e-004	0.0000	0.9848	0.9848	2.0000e-005	0.0000	0.9854

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	0.0126	0.1292	0.1465	2.3000e-004		6.7800e-003	6.7800e-003		6.2400e-003	6.2400e-003	0.0000	20.0235	20.0235	6.4800e-003	0.0000	20.1854
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0126	0.1292	0.1465	2.3000e-004		6.7800e-003	6.7800e-003		6.2400e-003	6.2400e-003	0.0000	20.0235	20.0235	6.4800e-003	0.0000	20.1854

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.6000e-004	3.2000e-004	3.4300e-003	1.0000e-005	1.1900e-003	1.0000e-005	1.2000e-003	3.2000e-004	1.0000e-005	3.2000e-004	0.0000	0.9848	0.9848	2.0000e-005	0.0000	0.9854
Total	4.6000e-004	3.2000e-004	3.4300e-003	1.0000e-005	1.1900e-003	1.0000e-005	1.2000e-003	3.2000e-004	1.0000e-005	3.2000e-004	0.0000	0.9848	0.9848	2.0000e-005	0.0000	0.9854

3.7 Architectural Coating - 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					
Archit. Coating	3.9632					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.1900e-003	0.0153	0.0182	3.0000e-005		9.4000e-004	9.4000e-004		9.4000e-004	9.4000e-004	0.0000	2.5533	2.5533	1.8000e-004	0.0000	2.5576
Total	3.9654	0.0153	0.0182	3.0000e-005		9.4000e-004	9.4000e-004		9.4000e-004	9.4000e-004	0.0000	2.5533	2.5533	1.8000e-004	0.0000	2.5576

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.5000e-003	1.7300e-003	0.0185	6.0000e-005	6.4200e-003	4.0000e-005	6.4600e-003	1.7100e-003	4.0000e-005	1.7500e-003	0.0000	5.3180	5.3180	1.2000e-004	0.0000	5.3210
Total	2.5000e-003	1.7300e-003	0.0185	6.0000e-005	6.4200e-003	4.0000e-005	6.4600e-003	1.7100e-003	4.0000e-005	1.7500e-003	0.0000	5.3180	5.3180	1.2000e-004	0.0000	5.3210

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	3.9632					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.1900e-003	0.0153	0.0182	3.0000e-005		9.4000e-004	9.4000e-004		9.4000e-004	9.4000e-004	0.0000	2.5533	2.5533	1.8000e-004	0.0000	2.5576
Total	3.9654	0.0153	0.0182	3.0000e-005		9.4000e-004	9.4000e-004		9.4000e-004	9.4000e-004	0.0000	2.5533	2.5533	1.8000e-004	0.0000	2.5576

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.5000e-003	1.7300e-003	0.0185	6.0000e-005	6.4200e-003	4.0000e-005	6.4600e-003	1.7100e-003	4.0000e-005	1.7500e-003	0.0000	5.3180	5.3180	1.2000e-004	0.0000	5.3210
Total	2.5000e-003	1.7300e-003	0.0185	6.0000e-005	6.4200e-003	4.0000e-005	6.4600e-003	1.7100e-003	4.0000e-005	1.7500e-003	0.0000	5.3180	5.3180	1.2000e-004	0.0000	5.3210

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Increase Density

Increase Transit Accessibility

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.7271	2.7725	6.7780	0.0206	1.8065	0.0183	1.8247	0.4836	0.0170	0.5006	0.0000	1,887.0209	1,887.0209	0.0728	0.0000	1,888.8414
Unmitigated	0.8487	3.5964	9.8613	0.0341	3.1429	0.0290	3.1719	0.8413	0.0270	0.8684	0.0000	3,120.8121	3,120.8121	0.1055	0.0000	3,123.4486

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	3,743.95	3,597.57	3,299.18	8,452,008	4,858,020
Total	3,743.95	3,597.57	3,299.18	8,452,008	4,858,020

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
Apartments Mid Rise	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.610498	0.036775	0.183084	0.106123	0.014413	0.005007	0.012610	0.021118	0.002144	0.001548	0.005312	0.000627	0.000740

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	305.7375	305.7375	0.0306	6.3300e-003	308.3868
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	305.7375	305.7375	0.0306	6.3300e-003	308.3868
NaturalGas Mitigated	0.0262	0.2241	0.0954	1.4300e-003		0.0181	0.0181		0.0181	0.0181	0.0000	259.5621	259.5621	4.9700e-003	4.7600e-003	261.1046
NaturalGas Unmitigated	0.0262	0.2241	0.0954	1.4300e-003		0.0181	0.0181		0.0181	0.0181	0.0000	259.5621	259.5621	4.9700e-003	4.7600e-003	261.1046

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	4.86401e+006	0.0262	0.2241	0.0954	1.4300e-003		0.0181	0.0181		0.0181	0.0181	0.0000	259.5621	259.5621	4.9700e-003	4.7600e-003	261.1046
Total		0.0262	0.2241	0.0954	1.4300e-003		0.0181	0.0181		0.0181	0.0181	0.0000	259.5621	259.5621	4.9700e-003	4.7600e-003	261.1046

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	4.86401e+006	0.0262	0.2241	0.0954	1.4300e-003		0.0181	0.0181		0.0181	0.0181	0.0000	259.5621	259.5621	4.9700e-003	4.7600e-003	261.1046
Total		0.0262	0.2241	0.0954	1.4300e-003		0.0181	0.0181		0.0181	0.0181	0.0000	259.5621	259.5621	4.9700e-003	4.7600e-003	261.1046

5.3 Energy by Land Use - Electricity

Unmitigated

Land Use	Electricity Use kWh/yr	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	2.32426e+006	305.7375	0.0306	6.3300e-003	308.3868
Total		305.7375	0.0306	6.3300e-003	308.3868

Mitigated

Land Use	Electricity Use kWh/yr	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	2.32426e+006	305.7375	0.0306	6.3300e-003	308.3868
Total		305.7375	0.0306	6.3300e-003	308.3868

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	4.0205	0.0782	5.9736	3.7800e-003		0.2789	0.2789		0.2789	0.2789	25.6670	17.3712	43.0382	0.0478	1.6800e-003	44.7358
Unmitigated	4.0205	0.0782	5.9736	3.7800e-003		0.2789	0.2789		0.2789	0.2789	25.6670	17.3712	43.0382	0.0478	1.6800e-003	44.7358

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	0.3963					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.1988					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	1.2990	0.0299	1.7888	3.5600e-003		0.2557	0.2557		0.2557	0.2557	25.6670	10.5427	36.2097	0.0413	1.6800e-003	37.7426
Landscaping	0.1264	0.0483	4.1848	2.2000e-004		0.0231	0.0231		0.0231	0.0231	0.0000	6.8285	6.8285	6.5900e-003	0.0000	6.9932
Total	4.0205	0.0782	5.9736	3.7800e-003		0.2789	0.2789		0.2789	0.2789	25.6670	17.3712	43.0382	0.0478	1.6800e-003	44.7358

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	0.3963					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.1988					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	1.2990	0.0299	1.7888	3.5600e-003		0.2557	0.2557		0.2557	0.2557	25.6670	10.5427	36.2097	0.0413	1.6800e-003	37.7426
Landscaping	0.1264	0.0483	4.1848	2.2000e-004		0.0231	0.0231		0.0231	0.0231	0.0000	6.8285	6.8285	6.5900e-003	0.0000	6.9932
Total	4.0205	0.0782	5.9736	3.7800e-003		0.2789	0.2789		0.2789	0.2789	25.6670	17.3712	43.0382	0.0478	1.6800e-003	44.7358

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	48.3933	1.1990	0.0290	87.0041
Unmitigated	48.3933	1.1990	0.0290	87.0041

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	36.6817 / 23.1254	48.3933	1.1990	0.0290	87.0041
Total		48.3933	1.1990	0.0290	87.0041

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	36.6817 / 23.1254	48.3933	1.1990	0.0290	87.0041
Total		48.3933	1.1990	0.0290	87.0041

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	52.5706	3.1068	0.0000	130.2414
Unmitigated	52.5706	3.1068	0.0000	130.2414

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	258.98	52.5706	3.1068	0.0000	130.2414
Total		52.5706	3.1068	0.0000	130.2414

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	258.98	52.5706	3.1068	0.0000	130.2414
Total		52.5706	3.1068	0.0000	130.2414

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

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

11.0 Vegetation
