

APPENDIX B2
GREENHOUSE GAS EMISSIONS CALCULATIONS

Santa Angelina Senior Apartment Homes - Orange County, Annual

Santa Angelina Senior Apartment Homes
Orange County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Place of Worship	3.97	1000sqft	0.09	3,974.00	0
Apartments Low Rise	65.00	Dwelling Unit	4.06	42,500.00	186

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2024
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

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Project Characteristics -

Land Use - Place of worship land use subtype used for parish, square feet supplied by client

Construction Phase - Construction schedule provided by client

Off-road Equipment -

Off-road Equipment - Equipment list provided by client

Demolition -

Grading -

Architectural Coating -

Vehicle Trips - Trip rates from Trip Generation Assessment - Fehr & Peers (weekend adjusted)

Woodstoves - No fireplaces or wood stoves

Area Coating -

Construction Off-road Equipment Mitigation - 26% based on collector Table XI-C

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Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	26
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	20.00	21.00
tblConstructionPhase	NumDays	8.00	20.00
tblConstructionPhase	NumDays	5.00	44.00
tblConstructionPhase	NumDays	230.00	242.00
tblFireplaces	NumberGas	55.25	0.00
tblFireplaces	NumberNoFireplace	6.50	65.00
tblFireplaces	NumberWood	3.25	0.00
tblGrading	AcresOfGrading	30.00	4.00
tblLandUse	LandUseSquareFeet	3,970.00	3,974.00
tblLandUse	LandUseSquareFeet	65,000.00	42,500.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblTripsAndVMT	HaulingTripNumber	0.00	744.00
tblWoodstoves	NumberCatalytic	3.25	0.00
tblWoodstoves	NumberNoncatalytic	3.25	0.00

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	1-1-2022	3-31-2022	0.6483	0.6483
2	4-1-2022	6-30-2022	0.2471	0.2471
3	7-1-2022	9-30-2022	0.1949	0.1949
4	10-1-2022	12-31-2022	0.1959	0.1959
5	1-1-2023	3-31-2023	0.1689	0.1689
6	4-1-2023	6-30-2023	0.1649	0.1649
		Highest	0.6483	0.6483

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	0.2032	7.7200e-003	0.6701	4.0000e-005		3.7100e-003	3.7100e-003		3.7100e-003	3.7100e-003	0.0000	1.0951	1.0951	1.0500e-003	0.0000	1.1213
Energy	4.9200e-003	0.0423	0.0197	2.7000e-004		3.4000e-003	3.4000e-003		3.4000e-003	3.4000e-003	0.0000	145.5481	145.5481	4.9300e-003	1.7200e-003	146.1839
Mobile	0.0595	0.2300	0.8149	3.3600e-003	0.3333	2.3500e-003	0.3356	0.0893	2.1800e-003	0.0914	0.0000	310.1446	310.1446	0.0122	0.0000	310.4489
Waste						0.0000	0.0000		0.0000	0.0000	10.6631	0.0000	10.6631	0.6302	0.0000	26.4174
Water						0.0000	0.0000		0.0000	0.0000	1.3830	28.2243	29.6073	0.1432	3.6000e-003	34.2589
Total	0.2677	0.2800	1.5047	3.6700e-003	0.3333	9.4600e-003	0.3427	0.0893	9.2900e-003	0.0985	12.0461	485.0120	497.0581	0.7915	5.3200e-003	518.4304

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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	0.2032	7.7200e-003	0.6701	4.0000e-005		3.7100e-003	3.7100e-003		3.7100e-003	3.7100e-003	0.0000	1.0951	1.0951	1.0500e-003	0.0000	1.1213
Energy	4.9200e-003	0.0423	0.0197	2.7000e-004		3.4000e-003	3.4000e-003		3.4000e-003	3.4000e-003	0.0000	145.5481	145.5481	4.9300e-003	1.7200e-003	146.1839
Mobile	0.0595	0.2300	0.8149	3.3600e-003	0.3333	2.3500e-003	0.3356	0.0893	2.1800e-003	0.0914	0.0000	310.1446	310.1446	0.0122	0.0000	310.4489
Waste						0.0000	0.0000		0.0000	0.0000	10.6631	0.0000	10.6631	0.6302	0.0000	26.4174
Water						0.0000	0.0000		0.0000	0.0000	1.3830	28.2243	29.6073	0.1432	3.6000e-003	34.2589
Total	0.2677	0.2800	1.5047	3.6700e-003	0.3333	9.4600e-003	0.3427	0.0893	9.2900e-003	0.0985	12.0461	485.0120	497.0581	0.7915	5.3200e-003	518.4304

	ROG	NOx	CO	SO2	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	1/1/2022	1/31/2022	5	21	
2	Grading	Grading	2/1/2022	2/28/2022	5	20	
3	Site Work - utilities/paving	Site Preparation	3/1/2022	4/29/2022	5	44	
4	Building Construction	Building Construction	5/1/2022	4/4/2023	5	242	
5	Architectural Coating	Architectural Coating	4/5/2023	4/28/2023	5	18	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 4

Acres of Paving: 0

Residential Indoor: 86,063; Residential Outdoor: 28,688; Non-Residential Indoor: 5,961; Non-Residential Outdoor: 1,987; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

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Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Crushing/Proc. Equipment	1	6.00	85	0.78
Demolition	Excavators	2	8.00	158	0.38
Demolition	Rubber Tired Loaders	1	8.00	203	0.36
Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Site Work - utilities/paving	Excavators	1	6.00	158	0.38
Site Work - utilities/paving	Paving Equipment	1	4.00	132	0.36
Site Work - utilities/paving	Rubber Tired Loaders	2	4.00	203	0.36
Site Work - utilities/paving	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Rubber Tired Loaders	1	6.00	203	0.36
Grading	Scrapers	2	6.00	367	0.48
Grading	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Building Construction	Forklifts	1	8.00	89	0.20
Building Construction	Rubber Tired Loaders	1	7.00	203	0.36
Building Construction	Skid Steer Loaders	1	7.00	65	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	6	15.00	0.00	16.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Work - utilities/paving	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	5	13.00	0.00	744.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	3	48.00	8.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	10.00	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

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

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					
Fugitive Dust					1.7100e-003	0.0000	1.7100e-003	2.6000e-004	0.0000	2.6000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0137	0.1209	0.1538	2.8000e-004		5.7100e-003	5.7100e-003		5.3600e-003	5.3600e-003	0.0000	24.3466	24.3466	6.6500e-003	0.0000	24.5128
Total	0.0137	0.1209	0.1538	2.8000e-004	1.7100e-003	5.7100e-003	7.4200e-003	2.6000e-004	5.3600e-003	5.6200e-003	0.0000	24.3466	24.3466	6.6500e-003	0.0000	24.5128

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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	6.0000e-005	1.9200e-003	5.7000e-004	1.0000e-005	1.4000e-004	1.0000e-005	1.4000e-004	4.0000e-005	1.0000e-005	4.0000e-005	0.0000	0.5996	0.5996	6.0000e-005	0.0000	0.6012
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.5000e-004	3.5000e-004	4.2200e-003	2.0000e-005	1.7300e-003	1.0000e-005	1.7400e-003	4.6000e-004	1.0000e-005	4.7000e-004	0.0000	1.3911	1.3911	3.0000e-005	0.0000	1.3918
Total	6.1000e-004	2.2700e-003	4.7900e-003	3.0000e-005	1.8700e-003	2.0000e-005	1.8800e-003	5.0000e-004	2.0000e-005	5.1000e-004	0.0000	1.9907	1.9907	9.0000e-005	0.0000	1.9930

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					6.7000e-004	0.0000	6.7000e-004	1.0000e-004	0.0000	1.0000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0137	0.1209	0.1538	2.8000e-004		5.7100e-003	5.7100e-003		5.3600e-003	5.3600e-003	0.0000	24.3465	24.3465	6.6500e-003	0.0000	24.5127
Total	0.0137	0.1209	0.1538	2.8000e-004	6.7000e-004	5.7100e-003	6.3800e-003	1.0000e-004	5.3600e-003	5.4600e-003	0.0000	24.3465	24.3465	6.6500e-003	0.0000	24.5127

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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	6.0000e-005	1.9200e-003	5.7000e-004	1.0000e-005	1.1000e-004	1.0000e-005	1.2000e-004	3.0000e-005	1.0000e-005	4.0000e-005	0.0000	0.5996	0.5996	6.0000e-005	0.0000	0.6012
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.5000e-004	3.5000e-004	4.2200e-003	2.0000e-005	1.3400e-003	1.0000e-005	1.3500e-003	3.6000e-004	1.0000e-005	3.7000e-004	0.0000	1.3911	1.3911	3.0000e-005	0.0000	1.3918
Total	6.1000e-004	2.2700e-003	4.7900e-003	3.0000e-005	1.4500e-003	2.0000e-005	1.4700e-003	3.9000e-004	2.0000e-005	4.1000e-004	0.0000	1.9907	1.9907	9.0000e-005	0.0000	1.9930

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					0.0623	0.0000	0.0623	0.0333	0.0000	0.0333	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0245	0.2615	0.1653	3.9000e-004		0.0111	0.0111		0.0102	0.0102	0.0000	34.3638	34.3638	0.0111	0.0000	34.6417
Total	0.0245	0.2615	0.1653	3.9000e-004	0.0623	0.0111	0.0734	0.0333	0.0102	0.0435	0.0000	34.3638	34.3638	0.0111	0.0000	34.6417

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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	2.5700e-003	0.0895	0.0267	2.7000e-004	6.3800e-003	2.6000e-004	6.6300e-003	1.7500e-003	2.5000e-004	2.0000e-003	0.0000	27.8818	27.8818	2.9400e-003	0.0000	27.9552
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	4.5000e-004	2.9000e-004	3.4800e-003	1.0000e-005	1.4300e-003	1.0000e-005	1.4400e-003	3.8000e-004	1.0000e-005	3.9000e-004	0.0000	1.1482	1.1482	2.0000e-005	0.0000	1.1488
Total	3.0200e-003	0.0898	0.0301	2.8000e-004	7.8100e-003	2.7000e-004	8.0700e-003	2.1300e-003	2.6000e-004	2.3900e-003	0.0000	29.0300	29.0300	2.9600e-003	0.0000	29.1040

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					0.0243	0.0000	0.0243	0.0130	0.0000	0.0130	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0245	0.2615	0.1653	3.9000e-004		0.0111	0.0111		0.0102	0.0102	0.0000	34.3638	34.3638	0.0111	0.0000	34.6416
Total	0.0245	0.2615	0.1653	3.9000e-004	0.0243	0.0111	0.0354	0.0130	0.0102	0.0232	0.0000	34.3638	34.3638	0.0111	0.0000	34.6416

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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	2.5700e-003	0.0895	0.0267	2.7000e-004	5.1200e-003	2.6000e-004	5.3800e-003	1.4400e-003	2.5000e-004	1.6900e-003	0.0000	27.8818	27.8818	2.9400e-003	0.0000	27.9552
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	4.5000e-004	2.9000e-004	3.4800e-003	1.0000e-005	1.1100e-003	1.0000e-005	1.1100e-003	3.0000e-004	1.0000e-005	3.1000e-004	0.0000	1.1482	1.1482	2.0000e-005	0.0000	1.1488
Total	3.0200e-003	0.0898	0.0301	2.8000e-004	6.2300e-003	2.7000e-004	6.4900e-003	1.7400e-003	2.6000e-004	2.0000e-003	0.0000	29.0300	29.0300	2.9600e-003	0.0000	29.1040

3.4 Site Work - utilities/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					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0226	0.2256	0.2631	4.7000e-004		0.0105	0.0105		9.6900e-003	9.6900e-003	0.0000	41.5452	41.5452	0.0134	0.0000	41.8812
Total	0.0226	0.2256	0.2631	4.7000e-004	0.0000	0.0105	0.0105	0.0000	9.6900e-003	9.6900e-003	0.0000	41.5452	41.5452	0.0134	0.0000	41.8812

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3.4 Site Work - utilities/paving - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.3700e-003	8.8000e-004	0.0106	4.0000e-005	4.3500e-003	3.0000e-005	4.3800e-003	1.1500e-003	3.0000e-005	1.1800e-003	0.0000	3.4976	3.4976	7.0000e-005	0.0000	3.4994
Total	1.3700e-003	8.8000e-004	0.0106	4.0000e-005	4.3500e-003	3.0000e-005	4.3800e-003	1.1500e-003	3.0000e-005	1.1800e-003	0.0000	3.4976	3.4976	7.0000e-005	0.0000	3.4994

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0226	0.2256	0.2631	4.7000e-004		0.0105	0.0105		9.6900e-003	9.6900e-003	0.0000	41.5452	41.5452	0.0134	0.0000	41.8811
Total	0.0226	0.2256	0.2631	4.7000e-004	0.0000	0.0105	0.0105	0.0000	9.6900e-003	9.6900e-003	0.0000	41.5452	41.5452	0.0134	0.0000	41.8811

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3.4 Site Work - utilities/paving - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.3700e-003	8.8000e-004	0.0106	4.0000e-005	3.3700e-003	3.0000e-005	3.4000e-003	9.1000e-004	3.0000e-005	9.4000e-004	0.0000	3.4976	3.4976	7.0000e-005	0.0000	3.4994
Total	1.3700e-003	8.8000e-004	0.0106	4.0000e-005	3.3700e-003	3.0000e-005	3.4000e-003	9.1000e-004	3.0000e-005	9.4000e-004	0.0000	3.4976	3.4976	7.0000e-005	0.0000	3.4994

3.5 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0376	0.3950	0.3244	7.7000e-004		0.0165	0.0165		0.0152	0.0152	0.0000	67.7362	67.7362	0.0219	0.0000	68.2838
Total	0.0376	0.3950	0.3244	7.7000e-004		0.0165	0.0165		0.0152	0.0152	0.0000	67.7362	67.7362	0.0219	0.0000	68.2838

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3.5 Building Construction - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.7900e-003	0.0630	0.0180	1.7000e-004	4.4100e-003	1.2000e-004	4.5300e-003	1.2700e-003	1.2000e-004	1.3900e-003	0.0000	16.7264	16.7264	1.3200e-003	0.0000	16.7595
Worker	0.0146	9.3700e-003	0.1125	4.1000e-004	0.0461	3.0000e-004	0.0464	0.0122	2.7000e-004	0.0125	0.0000	37.0958	37.0958	7.5000e-004	0.0000	37.1145
Total	0.0164	0.0724	0.1305	5.8000e-004	0.0505	4.2000e-004	0.0509	0.0135	3.9000e-004	0.0139	0.0000	53.8222	53.8222	2.0700e-003	0.0000	53.8740

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	0.0376	0.3950	0.3244	7.7000e-004		0.0165	0.0165		0.0152	0.0152	0.0000	67.7361	67.7361	0.0219	0.0000	68.2838
Total	0.0376	0.3950	0.3244	7.7000e-004		0.0165	0.0165		0.0152	0.0152	0.0000	67.7361	67.7361	0.0219	0.0000	68.2838

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3.5 Building Construction - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.7900e-003	0.0630	0.0180	1.7000e-004	3.5900e-003	1.2000e-004	3.7100e-003	1.0700e-003	1.2000e-004	1.1900e-003	0.0000	16.7264	16.7264	1.3200e-003	0.0000	16.7595
Worker	0.0146	9.3700e-003	0.1125	4.1000e-004	0.0357	3.0000e-004	0.0360	9.6900e-003	2.7000e-004	9.9700e-003	0.0000	37.0958	37.0958	7.5000e-004	0.0000	37.1145
Total	0.0164	0.0724	0.1305	5.8000e-004	0.0393	4.2000e-004	0.0397	0.0108	3.9000e-004	0.0112	0.0000	53.8222	53.8222	2.0700e-003	0.0000	53.8740

3.5 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0133	0.1353	0.1232	3.0000e-004		5.4500e-003	5.4500e-003		5.0100e-003	5.0100e-003	0.0000	25.9331	25.9331	8.3900e-003	0.0000	26.1427
Total	0.0133	0.1353	0.1232	3.0000e-004		5.4500e-003	5.4500e-003		5.0100e-003	5.0100e-003	0.0000	25.9331	25.9331	8.3900e-003	0.0000	26.1427

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3.5 Building Construction - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.2000e-004	0.0181	6.4000e-003	6.0000e-005	1.6900e-003	2.0000e-005	1.7100e-003	4.9000e-004	2.0000e-005	5.1000e-004	0.0000	6.2104	6.2104	4.7000e-004	0.0000	6.2221
Worker	5.2900e-003	3.2600e-003	0.0401	1.5000e-004	0.0177	1.1000e-004	0.0178	4.6900e-003	1.0000e-004	4.7900e-003	0.0000	13.6569	13.6569	2.6000e-004	0.0000	13.6634
Total	5.8100e-003	0.0214	0.0465	2.1000e-004	0.0193	1.3000e-004	0.0195	5.1800e-003	1.2000e-004	5.3000e-003	0.0000	19.8673	19.8673	7.3000e-004	0.0000	19.8855

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	0.0133	0.1353	0.1232	3.0000e-004		5.4500e-003	5.4500e-003		5.0100e-003	5.0100e-003	0.0000	25.9330	25.9330	8.3900e-003	0.0000	26.1427
Total	0.0133	0.1353	0.1232	3.0000e-004		5.4500e-003	5.4500e-003		5.0100e-003	5.0100e-003	0.0000	25.9330	25.9330	8.3900e-003	0.0000	26.1427

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3.5 Building Construction - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.2000e-004	0.0181	6.4000e-003	6.0000e-005	1.3800e-003	2.0000e-005	1.4000e-003	4.1000e-004	2.0000e-005	4.3000e-004	0.0000	6.2104	6.2104	4.7000e-004	0.0000	6.2221
Worker	5.2900e-003	3.2600e-003	0.0401	1.5000e-004	0.0137	1.1000e-004	0.0138	3.7100e-003	1.0000e-004	3.8100e-003	0.0000	13.6569	13.6569	2.6000e-004	0.0000	13.6634
Total	5.8100e-003	0.0214	0.0465	2.1000e-004	0.0151	1.3000e-004	0.0152	4.1200e-003	1.2000e-004	4.2400e-003	0.0000	19.8673	19.8673	7.3000e-004	0.0000	19.8855

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	0.1514					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.7200e-003	0.0117	0.0163	3.0000e-005		6.4000e-004	6.4000e-004		6.4000e-004	6.4000e-004	0.0000	2.2979	2.2979	1.4000e-004	0.0000	2.3014
Total	0.1531	0.0117	0.0163	3.0000e-005		6.4000e-004	6.4000e-004		6.4000e-004	6.4000e-004	0.0000	2.2979	2.2979	1.4000e-004	0.0000	2.3014

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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	3.0000e-004	1.8000e-004	2.2500e-003	1.0000e-005	9.9000e-004	1.0000e-005	9.9000e-004	2.6000e-004	1.0000e-005	2.7000e-004	0.0000	0.7644	0.7644	1.0000e-005	0.0000	0.7647
Total	3.0000e-004	1.8000e-004	2.2500e-003	1.0000e-005	9.9000e-004	1.0000e-005	9.9000e-004	2.6000e-004	1.0000e-005	2.7000e-004	0.0000	0.7644	0.7644	1.0000e-005	0.0000	0.7647

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	0.1514					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.7200e-003	0.0117	0.0163	3.0000e-005		6.4000e-004	6.4000e-004		6.4000e-004	6.4000e-004	0.0000	2.2979	2.2979	1.4000e-004	0.0000	2.3014
Total	0.1531	0.0117	0.0163	3.0000e-005		6.4000e-004	6.4000e-004		6.4000e-004	6.4000e-004	0.0000	2.2979	2.2979	1.4000e-004	0.0000	2.3014

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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	3.0000e-004	1.8000e-004	2.2500e-003	1.0000e-005	7.7000e-004	1.0000e-005	7.7000e-004	2.1000e-004	1.0000e-005	2.1000e-004	0.0000	0.7644	0.7644	1.0000e-005	0.0000	0.7647
Total	3.0000e-004	1.8000e-004	2.2500e-003	1.0000e-005	7.7000e-004	1.0000e-005	7.7000e-004	2.1000e-004	1.0000e-005	2.1000e-004	0.0000	0.7644	0.7644	1.0000e-005	0.0000	0.7647

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	0.0595	0.2300	0.8149	3.3600e-003	0.3333	2.3500e-003	0.3356	0.0893	2.1800e-003	0.0914	0.0000	310.1446	310.1446	0.0122	0.0000	310.4489
Unmitigated	0.0595	0.2300	0.8149	3.3600e-003	0.3333	2.3500e-003	0.3356	0.0893	2.1800e-003	0.0914	0.0000	310.1446	310.1446	0.0122	0.0000	310.4489

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	240.50	261.30	221.00	819,785	819,785
Place of Worship	19.02	21.64	76.42	58,847	58,847
Total	259.52	282.94	297.42	878,632	878,632

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 Low Rise	14.70	5.90	8.70	40.00	20.00	40.00	86	11	3
Place of Worship	16.60	8.40	6.90	0.00	95.00	5.00	64	25	11

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.565244	0.042904	0.209304	0.108392	0.014546	0.005773	0.026273	0.017831	0.001792	0.001509	0.004953	0.000602	0.000877
Place of Worship	0.565244	0.042904	0.209304	0.108392	0.014546	0.005773	0.026273	0.017831	0.001792	0.001509	0.004953	0.000602	0.000877

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5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	96.8573	96.8573	4.0000e-003	8.3000e-004	97.2038
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	96.8573	96.8573	4.0000e-003	8.3000e-004	97.2038
NaturalGas Mitigated	4.9200e-003	0.0423	0.0197	2.7000e-004		3.4000e-003	3.4000e-003		3.4000e-003	3.4000e-003	0.0000	48.6907	48.6907	9.3000e-004	8.9000e-004	48.9801
NaturalGas Unmitigated	4.9200e-003	0.0423	0.0197	2.7000e-004		3.4000e-003	3.4000e-003		3.4000e-003	3.4000e-003	0.0000	48.6907	48.6907	9.3000e-004	8.9000e-004	48.9801

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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 Low Rise	829373	4.4700e-003	0.0382	0.0163	2.4000e-004		3.0900e-003	3.0900e-003		3.0900e-003	3.0900e-003	0.0000	44.2585	44.2585	8.5000e-004	8.1000e-004	44.5215
Place of Worship	83056.6	4.5000e-004	4.0700e-003	3.4200e-003	2.0000e-005		3.1000e-004	3.1000e-004		3.1000e-004	3.1000e-004	0.0000	4.4322	4.4322	8.0000e-005	8.0000e-005	4.4586
Total		4.9200e-003	0.0423	0.0197	2.6000e-004		3.4000e-003	3.4000e-003		3.4000e-003	3.4000e-003	0.0000	48.6907	48.6907	9.3000e-004	8.9000e-004	48.9801

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 Low Rise	829373	4.4700e-003	0.0382	0.0163	2.4000e-004		3.0900e-003	3.0900e-003		3.0900e-003	3.0900e-003	0.0000	44.2585	44.2585	8.5000e-004	8.1000e-004	44.5215
Place of Worship	83056.6	4.5000e-004	4.0700e-003	3.4200e-003	2.0000e-005		3.1000e-004	3.1000e-004		3.1000e-004	3.1000e-004	0.0000	4.4322	4.4322	8.0000e-005	8.0000e-005	4.4586
Total		4.9200e-003	0.0423	0.0197	2.6000e-004		3.4000e-003	3.4000e-003		3.4000e-003	3.4000e-003	0.0000	48.6907	48.6907	9.3000e-004	8.9000e-004	48.9801

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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 Low Rise	270408	86.1579	3.5600e-003	7.4000e-004	86.4662
Place of Worship	33580.3	10.6994	4.4000e-004	9.0000e-005	10.7377
Total		96.8573	4.0000e-003	8.3000e-004	97.2038

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	270408	86.1579	3.5600e-003	7.4000e-004	86.4662
Place of Worship	33580.3	10.6994	4.4000e-004	9.0000e-005	10.7377
Total		96.8573	4.0000e-003	8.3000e-004	97.2038

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	0.2032	7.7200e-003	0.6701	4.0000e-005		3.7100e-003	3.7100e-003		3.7100e-003	3.7100e-003	0.0000	1.0951	1.0951	1.0500e-003	0.0000	1.1213
Unmitigated	0.2032	7.7200e-003	0.6701	4.0000e-005		3.7100e-003	3.7100e-003		3.7100e-003	3.7100e-003	0.0000	1.0951	1.0951	1.0500e-003	0.0000	1.1213

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	0.0151					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.1679					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0202	7.7200e-003	0.6701	4.0000e-005		3.7100e-003	3.7100e-003		3.7100e-003	3.7100e-003	0.0000	1.0951	1.0951	1.0500e-003	0.0000	1.1213
Total	0.2032	7.7200e-003	0.6701	4.0000e-005		3.7100e-003	3.7100e-003		3.7100e-003	3.7100e-003	0.0000	1.0951	1.0951	1.0500e-003	0.0000	1.1213

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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	0.0151					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.1679					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0202	7.7200e-003	0.6701	4.0000e-005		3.7100e-003	3.7100e-003		3.7100e-003	3.7100e-003	0.0000	1.0951	1.0951	1.0500e-003	0.0000	1.1213
Total	0.2032	7.7200e-003	0.6701	4.0000e-005		3.7100e-003	3.7100e-003		3.7100e-003	3.7100e-003	0.0000	1.0951	1.0951	1.0500e-003	0.0000	1.1213

7.0 Water Detail

7.1 Mitigation Measures Water

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	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	29.6073	0.1432	3.6000e-003	34.2589
Unmitigated	29.6073	0.1432	3.6000e-003	34.2589

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	4.23501 / 2.6699	28.3648	0.1391	3.4900e-003	32.8824
Place of Worship	0.124217 / 0.194288	1.2425	4.1000e-003	1.1000e-004	1.3765
Total		29.6073	0.1432	3.6000e-003	34.2589

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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 Low Rise	4.23501 / 2.6699	28.3648	0.1391	3.4900e-003	32.8824
Place of Worship	0.124217 / 0.194288	1.2425	4.1000e-003	1.1000e-004	1.3765
Total		29.6073	0.1432	3.6000e-003	34.2589

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	10.6631	0.6302	0.0000	26.4174
Unmitigated	10.6631	0.6302	0.0000	26.4174

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8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	29.9	6.0694	0.3587	0.0000	15.0368
Place of Worship	22.63	4.5937	0.2715	0.0000	11.3807
Total		10.6631	0.6302	0.0000	26.4174

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	29.9	6.0694	0.3587	0.0000	15.0368
Place of Worship	22.63	4.5937	0.2715	0.0000	11.3807
Total		10.6631	0.6302	0.0000	26.4174

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
