

**The Residences at Newport Place
Orange County, Annual**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking with Elevator	715.00	Space	5.69	286,000.00	0
Quality Restaurant	5.68	1000sqft	0.13	5,677.00	0
Apartments Mid Rise	384.00	Dwelling Unit	5.69	384,000.00	1098

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2018
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	630.89	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - 5.691 acre site

Construction Phase - Per Engineer: Demo 2 months, Excavation 3 months, Foundation 4 months, Construction 12 months

Off-road Equipment -

Off-road Equipment - Construction: 1 crane, 3 forklifts, 1 gen set, 3 loader/backhoes, 1 welder

Off-road Equipment - Dermo: 1 excavator, 2 loader/backhoes, 1 concrete saw, 1 crusher

Off-road Equipment - Excavation: 1 excavator, 1 loader, 1 backhoe, 1 skid steer loader, 1 water truck

Off-road Equipment - Foundation: 1 trencher, 3 loader/backhoe, 1 forklift, 1 compactor

Trips and VMT - 3968 haul trips earthwork

622 demo haul trips

6 vendor trips day

Demolition - 8,400 Tons Demo

Grading - 35,708 CY Export

Vehicle Trips - trip rates per traffic report

6.65 for apts, 89.95 per tsf restaurant

Construction Off-road Equipment Mitigation - water 2x day

Area Mitigation - natural gas hearth

low VOC paint

Energy Mitigation - exceed title 24 by 15%

energy efficient appliances

Water Mitigation - water efficient faucets, toilets, showers

water efficient irrigation

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	20.00	153.00
tblConstructionPhase	NumDays	300.00	88.00
tblConstructionPhase	NumDays	300.00	260.00
tblConstructionPhase	NumDays	20.00	41.00
tblConstructionPhase	NumDays	30.00	65.00
tblConstructionPhase	PhaseEndDate	5/2/2018	9/30/2017
tblConstructionPhase	PhaseEndDate	9/29/2016	9/30/2016

tblConstructionPhase	PhaseEndDate	9/29/2017	9/30/2017
tblConstructionPhase	PhaseEndDate	2/26/2016	2/28/2016
tblConstructionPhase	PhaseEndDate	5/27/2016	5/30/2016
tblConstructionPhase	PhaseStartDate	10/1/2017	3/1/2017
tblConstructionPhase	PhaseStartDate	5/31/2016	6/1/2016
tblConstructionPhase	PhaseStartDate	2/29/2016	3/1/2016
tblGrading	AcresOfGrading	0.00	75.00
tblGrading	MaterialExported	0.00	35,708.00
tblLandUse	LandUseSquareFeet	5,680.00	5,677.00
tblLandUse	LotAcreage	6.43	5.69
tblLandUse	LotAcreage	10.11	5.69
tblOffRoadEquipment	HorsePower	400.00	200.00
tblOffRoadEquipment	OffRoadEquipmentType		Crushing/Proc. Equipment
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblProjectCharacteristics	OperationalYear	2014	2018
tblTripsAndVMT	HaulingTripNumber	831.00	622.00
tblTripsAndVMT	HaulingTripNumber	4,464.00	3,968.00
tblTripsAndVMT	VendorTripNumber	89.00	6.00
tblTripsAndVMT	VendorTripNumber	89.00	6.00

tblTripsAndVMT	WorkerTripNumber	13.00	24.00
tblTripsAndVMT	WorkerTripNumber	13.00	24.00
tblTripsAndVMT	WorkerTripNumber	399.00	50.00
tblTripsAndVMT	WorkerTripNumber	399.00	120.00
tblTripsAndVMT	WorkerTripNumber	80.00	10.00
tblVehicleTrips	ST_TR	7.16	6.65
tblVehicleTrips	ST_TR	94.36	89.95
tblVehicleTrips	SU_TR	6.07	6.65
tblVehicleTrips	SU_TR	72.16	89.95
tblVehicleTrips	WD_TR	6.59	6.65

2.0 Emissions Summary

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	4.3113	0.0783	6.4101	4.0500e-003		0.3885	0.3885		0.3884	0.3884	40.7881	84.8673	125.6555	0.1281	2.7700e-003	129.2037
Energy	0.0259	0.2257	0.1264	1.4100e-003		0.0179	0.0179		0.0179	0.0179	0.0000	1,254.1207	1,254.1207	0.0508	0.0142	1,259.5855
Mobile	1.5559	3.8742	17.3750	0.0491	3.5711	0.0537	3.6248	0.9542	0.0495	1.0037	0.0000	3,630.7425	3,630.7425	0.1374	0.0000	3,633.6270
Waste						0.0000	0.0000		0.0000	0.0000	36.9078	0.0000	36.9078	2.1812	0.0000	82.7128
Water						0.0000	0.0000		0.0000	0.0000	8.4844	150.1470	158.6314	0.8783	0.0220	183.8977
Total	5.8931	4.1782	23.9115	0.0546	3.5711	0.4600	4.0312	0.9542	0.4558	1.4100	86.1803	5,119.8775	5,206.0579	3.3758	0.0390	5,289.0267

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	3.0619	0.0464	3.9979	2.1000e-004		0.0276	0.0276		0.0275	0.0275	0.0000	89.4780	89.4780	8.0500e-003	1.5200e-003	90.1187
Energy	0.0234	0.2038	0.1157	1.2700e-003		0.0161	0.0161		0.0161	0.0161	0.0000	1,163.0931	1,163.0931	0.0473	0.0131	1,168.1472
Mobile	1.5559	3.8742	17.3750	0.0491	3.5711	0.0537	3.6248	0.9542	0.0495	1.0037	0.0000	3,630.7425	3,630.7425	0.1374	0.0000	3,633.6270
Waste						0.0000	0.0000		0.0000	0.0000	36.9078	0.0000	36.9078	2.1812	0.0000	82.7128
Water						0.0000	0.0000		0.0000	0.0000	6.7875	127.1367	133.9242	0.7029	0.0176	154.1539
Total	4.6412	4.1244	21.4886	0.0506	3.5711	0.0974	3.6685	0.9542	0.0932	1.0474	43.6953	5,010.4503	5,054.1456	3.0767	0.0323	5,128.7595

	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	21.24	1.29	10.13	7.30	0.00	78.83	9.00	0.00	79.56	25.72	49.30	2.14	2.92	8.86	17.20	3.03

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	1/1/2016	2/28/2016	5	41	
2	Excavation	Grading	3/1/2016	5/30/2016	5	65	
3	Foundation	Building Construction	6/1/2016	9/30/2016	5	88	
4	Construction	Building Construction	10/1/2016	9/30/2017	5	260	
5	Architectural Coating	Architectural Coating	3/1/2017	9/30/2017	5	153	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 777,600; Residential Outdoor: 259,200; Non-Residential Indoor: 437,516; Non-Residential Outdoor: 145,839 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	1	8.00	162	0.38
Demolition	Rubber Tired Dozers	0	8.00	255	0.40
Demolition	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Excavation	Excavators	1	8.00	162	0.38
Excavation	Graders	0	8.00	174	0.41
Excavation	Off-Highway Trucks	1	3.00	200	0.38
Excavation	Rubber Tired Dozers	0	8.00	255	0.40
Excavation	Scrapers	0	8.00	361	0.48
Excavation	Skid Steer Loaders	1	8.00	64	0.37
Excavation	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Foundation	Cranes	0	7.00	226	0.29

Foundation	Forklifts	1	8.00	89	0.20
Foundation	Generator Sets	0	8.00	84	0.74
Foundation	Plate Compactors	1	8.00	8	0.43
Foundation	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Foundation	Trenchers	1	6.00	80	0.50
Foundation	Welders	0	8.00	46	0.45
Construction	Cranes	1	7.00	226	0.29
Construction	Forklifts	3	8.00	89	0.20
Construction	Generator Sets	1	8.00	84	0.74
Construction	Pavers	0	8.00	125	0.42
Construction	Paving Equipment	0	8.00	130	0.36
Construction	Rollers	0	8.00	80	0.38
Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Construction	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48
Demolition	Crushing/Proc. Equipment	1	8.00	85	0.78

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	24.00	0.00	622.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Excavation	5	24.00	0.00	3,968.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Foundation	6	50.00	6.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction	9	120.00	6.00	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

3.1 Mitigation Measures Construction

Water Exposed Area

Clean Paved Roads

3.2 Demolition - 2016

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					0.0899	0.0000	0.0899	0.0136	0.0000	0.0136	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0524	0.4301	0.3382	5.1000e-004		0.0310	0.0310		0.0298	0.0298	0.0000	45.6465	45.6465	9.2000e-003	0.0000	45.8396
Total	0.0524	0.4301	0.3382	5.1000e-004	0.0899	0.0310	0.1208	0.0136	0.0298	0.0434	0.0000	45.6465	45.6465	9.2000e-003	0.0000	45.8396

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	5.9400e-003	0.0902	0.0693	2.3000e-004	5.3300e-003	1.2900e-003	6.6200e-003	1.4600e-003	1.1900e-003	2.6500e-003	0.0000	20.8948	20.8948	1.5000e-004	0.0000	20.8979
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	1.6800e-003	2.4900e-003	0.0260	6.0000e-005	5.4000e-003	4.0000e-005	5.4400e-003	1.4300e-003	4.0000e-005	1.4700e-003	0.0000	4.8684	4.8684	2.4000e-004	0.0000	4.8734
Total	7.6200e-003	0.0927	0.0953	2.9000e-004	0.0107	1.3300e-003	0.0121	2.8900e-003	1.2300e-003	4.1200e-003	0.0000	25.7632	25.7632	3.9000e-004	0.0000	25.7714

3.2 Demolition - 2016**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					0.0404	0.0000	0.0404	6.1200e-003	0.0000	6.1200e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0524	0.4301	0.3382	5.1000e-004		0.0310	0.0310		0.0298	0.0298	0.0000	45.6464	45.6464	9.2000e-003	0.0000	45.8395
Total	0.0524	0.4301	0.3382	5.1000e-004	0.0404	0.0310	0.0714	6.1200e-003	0.0298	0.0359	0.0000	45.6464	45.6464	9.2000e-003	0.0000	45.8395

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	5.9400e-003	0.0902	0.0693	2.3000e-004	5.3300e-003	1.2900e-003	6.6200e-003	1.4600e-003	1.1900e-003	2.6500e-003	0.0000	20.8948	20.8948	1.5000e-004	0.0000	20.8979
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	1.6800e-003	2.4900e-003	0.0260	6.0000e-005	5.4000e-003	4.0000e-005	5.4400e-003	1.4300e-003	4.0000e-005	1.4700e-003	0.0000	4.8684	4.8684	2.4000e-004	0.0000	4.8734
Total	7.6200e-003	0.0927	0.0953	2.9000e-004	0.0107	1.3300e-003	0.0121	2.8900e-003	1.2300e-003	4.1200e-003	0.0000	25.7632	25.7632	3.9000e-004	0.0000	25.7714

3.3 Excavation - 2016**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					0.0418	0.0000	0.0418	4.6000e-003	0.0000	4.6000e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0457	0.4824	0.3432	5.2000e-004		0.0295	0.0295		0.0271	0.0271	0.0000	48.9808	48.9808	0.0148	0.0000	49.2911
Total	0.0457	0.4824	0.3432	5.2000e-004	0.0418	0.0295	0.0712	4.6000e-003	0.0271	0.0317	0.0000	48.9808	48.9808	0.0148	0.0000	49.2911

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	0.0379	0.5753	0.4420	1.4600e-003	0.0340	8.2300e-003	0.0423	9.3300e-003	7.5700e-003	0.0169	0.0000	133.2968	133.2968	9.5000e-004	0.0000	133.3168
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	2.6700e-003	3.9500e-003	0.0412	1.0000e-004	8.5600e-003	6.0000e-005	8.6200e-003	2.2700e-003	6.0000e-005	2.3300e-003	0.0000	7.7182	7.7182	3.8000e-004	0.0000	7.7261
Total	0.0406	0.5792	0.4832	1.5600e-003	0.0426	8.2900e-003	0.0509	0.0116	7.6300e-003	0.0192	0.0000	141.0150	141.0150	1.3300e-003	0.0000	141.0429

3.3 Excavation - 2016**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					0.0188	0.0000	0.0188	2.0700e-003	0.0000	2.0700e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0457	0.4824	0.3432	5.2000e-004		0.0295	0.0295		0.0271	0.0271	0.0000	48.9807	48.9807	0.0148	0.0000	49.2910
Total	0.0457	0.4824	0.3432	5.2000e-004	0.0188	0.0295	0.0483	2.0700e-003	0.0271	0.0292	0.0000	48.9807	48.9807	0.0148	0.0000	49.2910

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	0.0379	0.5753	0.4420	1.4600e-003	0.0340	8.2300e-003	0.0423	9.3300e-003	7.5700e-003	0.0169	0.0000	133.2968	133.2968	9.5000e-004	0.0000	133.3168
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	2.6700e-003	3.9500e-003	0.0412	1.0000e-004	8.5600e-003	6.0000e-005	8.6200e-003	2.2700e-003	6.0000e-005	2.3300e-003	0.0000	7.7182	7.7182	3.8000e-004	0.0000	7.7261
Total	0.0406	0.5792	0.4832	1.5600e-003	0.0426	8.2900e-003	0.0509	0.0116	7.6300e-003	0.0192	0.0000	141.0150	141.0150	1.3300e-003	0.0000	141.0429

3.4 Foundation - 2016**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	0.0694	0.6337	0.4363	5.6000e-004		0.0492	0.0492		0.0453	0.0453	0.0000	52.3959	52.3959	0.0155	0.0000	52.7220
Total	0.0694	0.6337	0.4363	5.6000e-004		0.0492	0.0492		0.0453	0.0453	0.0000	52.3959	52.3959	0.0155	0.0000	52.7220

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	2.4700e-003	0.0238	0.0311	6.0000e-005	1.6300e-003	3.6000e-004	1.9900e-003	4.6000e-004	3.3000e-004	8.0000e-004	0.0000	5.1753	5.1753	4.0000e-005	0.0000	5.1761
Worker	7.5200e-003	0.0111	0.1161	2.9000e-004	0.0242	1.7000e-004	0.0243	6.4100e-003	1.6000e-004	6.5700e-003	0.0000	21.7693	21.7693	1.0600e-003	0.0000	21.7917
Total	9.9900e-003	0.0350	0.1473	3.5000e-004	0.0258	5.3000e-004	0.0263	6.8700e-003	4.9000e-004	7.3700e-003	0.0000	26.9446	26.9446	1.1000e-003	0.0000	26.9678

3.4 Foundation - 2016**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	0.0694	0.6337	0.4363	5.6000e-004		0.0492	0.0492		0.0453	0.0453	0.0000	52.3958	52.3958	0.0155	0.0000	52.7220
Total	0.0694	0.6337	0.4363	5.6000e-004		0.0492	0.0492		0.0453	0.0453	0.0000	52.3958	52.3958	0.0155	0.0000	52.7220

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	2.4700e-003	0.0238	0.0311	6.0000e-005	1.6300e-003	3.6000e-004	1.9900e-003	4.6000e-004	3.3000e-004	8.0000e-004	0.0000	5.1753	5.1753	4.0000e-005	0.0000	5.1761
Worker	7.5200e-003	0.0111	0.1161	2.9000e-004	0.0242	1.7000e-004	0.0243	6.4100e-003	1.6000e-004	6.5700e-003	0.0000	21.7693	21.7693	1.0600e-003	0.0000	21.7917
Total	9.9900e-003	0.0350	0.1473	3.5000e-004	0.0258	5.3000e-004	0.0263	6.8700e-003	4.9000e-004	7.3700e-003	0.0000	26.9446	26.9446	1.1000e-003	0.0000	26.9678

3.5 Construction - 2016

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	0.1107	0.9265	0.6015	8.7000e-004		0.0639	0.0639		0.0601	0.0601	0.0000	78.6999	78.6999	0.0195	0.0000	79.1098
Total	0.1107	0.9265	0.6015	8.7000e-004		0.0639	0.0639		0.0601	0.0601	0.0000	78.6999	78.6999	0.0195	0.0000	79.1098

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	1.8200e-003	0.0176	0.0230	4.0000e-005	1.2000e-003	2.7000e-004	1.4700e-003	3.4000e-004	2.5000e-004	5.9000e-004	0.0000	3.8227	3.8227	3.0000e-005	0.0000	3.8233
Worker	0.0133	0.0197	0.2058	5.1000e-004	0.0428	3.0000e-004	0.0431	0.0114	2.8000e-004	0.0117	0.0000	38.5911	38.5911	1.8900e-003	0.0000	38.6307
Total	0.0152	0.0373	0.2288	5.5000e-004	0.0440	5.7000e-004	0.0446	0.0117	5.3000e-004	0.0122	0.0000	42.4137	42.4137	1.9200e-003	0.0000	42.4539

3.5 Construction - 2016

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	0.1107	0.9265	0.6015	8.7000e-004		0.0639	0.0639		0.0601	0.0601	0.0000	78.6998	78.6998	0.0195	0.0000	79.1097
Total	0.1107	0.9265	0.6015	8.7000e-004		0.0639	0.0639		0.0601	0.0601	0.0000	78.6998	78.6998	0.0195	0.0000	79.1097

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	1.8200e-003	0.0176	0.0230	4.0000e-005	1.2000e-003	2.7000e-004	1.4700e-003	3.4000e-004	2.5000e-004	5.9000e-004	0.0000	3.8227	3.8227	3.0000e-005	0.0000	3.8233
Worker	0.0133	0.0197	0.2058	5.1000e-004	0.0428	3.0000e-004	0.0431	0.0114	2.8000e-004	0.0117	0.0000	38.5911	38.5911	1.8900e-003	0.0000	38.6307
Total	0.0152	0.0373	0.2288	5.5000e-004	0.0440	5.7000e-004	0.0446	0.0117	5.3000e-004	0.0122	0.0000	42.4137	42.4137	1.9200e-003	0.0000	42.4539

3.5 Construction - 2017

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	0.3025	2.5746	1.7676	2.6100e-003		0.1737	0.1737		0.1631	0.1631	0.0000	233.4921	233.4921	0.0575	0.0000	234.6989
Total	0.3025	2.5746	1.7676	2.6100e-003		0.1737	0.1737		0.1631	0.1631	0.0000	233.4921	233.4921	0.0575	0.0000	234.6989

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	5.0300e-003	0.0480	0.0653	1.3000e-004	3.6000e-003	7.2000e-004	4.3200e-003	1.0300e-003	6.6000e-004	1.6900e-003	0.0000	11.2813	11.2813	8.0000e-005	0.0000	11.2829
Worker	0.0363	0.0538	0.5620	1.5300e-003	0.1284	8.9000e-004	0.1293	0.0341	8.3000e-004	0.0349	0.0000	111.2929	111.2929	5.2600e-003	0.0000	111.4032
Total	0.0414	0.1018	0.6273	1.6600e-003	0.1320	1.6100e-003	0.1337	0.0351	1.4900e-003	0.0366	0.0000	122.5741	122.5741	5.3400e-003	0.0000	122.6862

3.5 Construction - 2017

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	0.3025	2.5746	1.7676	2.6100e-003		0.1737	0.1737		0.1631	0.1631	0.0000	233.4919	233.4919	0.0575	0.0000	234.6987
Total	0.3025	2.5746	1.7676	2.6100e-003		0.1737	0.1737		0.1631	0.1631	0.0000	233.4919	233.4919	0.0575	0.0000	234.6987

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	5.0300e-003	0.0480	0.0653	1.3000e-004	3.6000e-003	7.2000e-004	4.3200e-003	1.0300e-003	6.6000e-004	1.6900e-003	0.0000	11.2813	11.2813	8.0000e-005	0.0000	11.2829
Worker	0.0363	0.0538	0.5620	1.5300e-003	0.1284	8.9000e-004	0.1293	0.0341	8.3000e-004	0.0349	0.0000	111.2929	111.2929	5.2600e-003	0.0000	111.4032
Total	0.0414	0.1018	0.6273	1.6600e-003	0.1320	1.6100e-003	0.1337	0.0351	1.4900e-003	0.0366	0.0000	122.5741	122.5741	5.3400e-003	0.0000	122.6862

3.6 Architectural Coating - 2017

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	4.8816					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0254	0.1672	0.1429	2.3000e-004		0.0133	0.0133		0.0133	0.0133	0.0000	19.5324	19.5324	2.0600e-003	0.0000	19.5757
Total	4.9070	0.1672	0.1429	2.3000e-004		0.0133	0.0133		0.0133	0.0133	0.0000	19.5324	19.5324	2.0600e-003	0.0000	19.5757

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	2.3700e-003	3.5200e-003	0.0368	1.0000e-004	8.4000e-003	6.0000e-005	8.4600e-003	2.2300e-003	5.0000e-005	2.2800e-003	0.0000	7.2768	7.2768	3.4000e-004	0.0000	7.2841
Total	2.3700e-003	3.5200e-003	0.0368	1.0000e-004	8.4000e-003	6.0000e-005	8.4600e-003	2.2300e-003	5.0000e-005	2.2800e-003	0.0000	7.2768	7.2768	3.4000e-004	0.0000	7.2841

3.6 Architectural Coating - 2017

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	4.8816					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0254	0.1672	0.1429	2.3000e-004		0.0133	0.0133		0.0133	0.0133	0.0000	19.5324	19.5324	2.0600e-003	0.0000	19.5757
Total	4.9070	0.1672	0.1429	2.3000e-004		0.0133	0.0133		0.0133	0.0133	0.0000	19.5324	19.5324	2.0600e-003	0.0000	19.5757

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	2.3700e-003	3.5200e-003	0.0368	1.0000e-004	8.4000e-003	6.0000e-005	8.4600e-003	2.2300e-003	5.0000e-005	2.2800e-003	0.0000	7.2768	7.2768	3.4000e-004	0.0000	7.2841
Total	2.3700e-003	3.5200e-003	0.0368	1.0000e-004	8.4000e-003	6.0000e-005	8.4600e-003	2.2300e-003	5.0000e-005	2.2800e-003	0.0000	7.2768	7.2768	3.4000e-004	0.0000	7.2841

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	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	1.5559	3.8742	17.3750	0.0491	3.5711	0.0537	3.6248	0.9542	0.0495	1.0037	0.0000	3,630.7425	3,630.7425	0.1374	0.0000	3,633.6270
Unmitigated	1.5559	3.8742	17.3750	0.0491	3.5711	0.0537	3.6248	0.9542	0.0495	1.0037	0.0000	3,630.7425	3,630.7425	0.1374	0.0000	3,633.6270

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	2,553.60	2,553.60	2553.60	8,726,039	8,726,039
Enclosed Parking with Elevator	0.00	0.00	0.00		
Quality Restaurant	510.92	510.92	510.92	727,356	727,356
Total	3,064.52	3,064.52	3,064.52	9,453,395	9,453,395

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	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Quality Restaurant	16.60	8.40	6.90	12.00	69.00	19.00	38	18	44

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.510011	0.056836	0.192178	0.151564	0.041643	0.005905	0.015642	0.015146	0.001440	0.002149	0.004721	0.000504	0.002262

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

Install Energy Efficient Appliances

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	931.9014	931.9014	0.0428	8.8600e-003	935.5484
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	997.8041	997.8041	0.0459	9.4900e-003	1,001.7091
NaturalGas Mitigated	0.0234	0.2038	0.1157	1.2700e-003		0.0161	0.0161		0.0161	0.0161	0.0000	231.1918	231.1918	4.4300e-003	4.2400e-003	232.5988
NaturalGas Unmitigated	0.0259	0.2257	0.1264	1.4100e-003		0.0179	0.0179		0.0179	0.0179	0.0000	256.3166	256.3166	4.9100e-003	4.7000e-003	257.8765

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					
Enclosed Parking with Elevator	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
Quality Restaurant	1.49549e+006	8.0600e-003	0.0733	0.0616	4.4000e-004		5.5700e-003	5.5700e-003		5.5700e-003	5.5700e-003	0.0000	79.8052	79.8052	1.5300e-003	1.4600e-003	80.2908
Apartments Mid Rise	3.3077e+006	0.0178	0.1524	0.0649	9.7000e-004		0.0123	0.0123		0.0123	0.0123	0.0000	176.5114	176.5114	3.3800e-003	3.2400e-003	177.5856
Total		0.0259	0.2257	0.1264	1.4100e-003		0.0179	0.0179		0.0179	0.0179	0.0000	256.3166	256.3166	4.9100e-003	4.7000e-003	257.8765

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					
Enclosed Parking with Elevator	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
Quality Restaurant	1.42509e+006	7.6800e-003	0.0699	0.0587	4.2000e-004		5.3100e-003	5.3100e-003		5.3100e-003	5.3100e-003	0.0000	76.0485	76.0485	1.4600e-003	1.3900e-003	76.5113
Apartments Mid Rise	2.90728e+006	0.0157	0.1340	0.0570	8.6000e-004		0.0108	0.0108		0.0108	0.0108	0.0000	155.1433	155.1433	2.9700e-003	2.8400e-003	156.0875
Total		0.0234	0.2038	0.1157	1.2800e-003		0.0161	0.0161		0.0161	0.0161	0.0000	231.1918	231.1918	4.4300e-003	4.2300e-003	232.5988

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	1.33587e+006	382.2831	0.0176	3.6400e-003	383.7791
Enclosed Parking with Elevator	1.92764e+006	551.6267	0.0254	5.2500e-003	553.7856
Quality Restaurant	223276	63.8943	2.9400e-003	6.1000e-004	64.1444
Total		997.8041	0.0459	9.5000e-003	1,001.7091

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	1.28281e+006	367.0973	0.0169	3.4900e-003	368.5339
Enclosed Parking with Elevator	1.75947e+006	503.5026	0.0231	4.7900e-003	505.4731
Quality Restaurant	214216	61.3015	2.8200e-003	5.8000e-004	61.5414
Total		931.9014	0.0428	8.8600e-003	935.5484

6.0 Area Detail

6.1 Mitigation Measures Area

- Use Low VOC Paint - Residential Interior
- Use Low VOC Paint - Residential Exterior
- Use Low VOC Paint - Non-Residential Interior
- Use only Natural Gas Hearths
- Use Low VOC Cleaning Supplies

	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	3.0619	0.0464	3.9979	2.1000e-004		0.0276	0.0276		0.0275	0.0275	0.0000	89.4780	89.4780	8.0500e-003	1.5200e-003	90.1187
Unmitigated	4.3113	0.0783	6.4101	4.0500e-003		0.3885	0.3885		0.3884	0.3884	40.7881	84.8673	125.6555	0.1281	2.7700e-003	129.2037

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	0.4882					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.4416					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	1.2578	0.0319	2.4127	3.8400e-003		0.3667	0.3667		0.3666	0.3666	40.7881	78.3808	119.1689	0.1216	2.7700e-003	122.5815
Landscaping	0.1238	0.0464	3.9974	2.1000e-004		0.0218	0.0218		0.0218	0.0218	0.0000	6.4866	6.4866	6.4600e-003	0.0000	6.6222
Total	4.3113	0.0783	6.4101	4.0500e-003		0.3885	0.3885		0.3884	0.3884	40.7881	84.8673	125.6555	0.1281	2.7700e-003	129.2037

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	0.4882					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.4416					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	8.3900e-003	0.0000	4.6000e-004	0.0000		5.7900e-003	5.7900e-003		5.7300e-003	5.7300e-003	0.0000	82.9914	82.9914	1.5900e-003	1.5200e-003	83.4965
Landscaping	0.1238	0.0464	3.9974	2.1000e-004		0.0218	0.0218		0.0218	0.0218	0.0000	6.4866	6.4866	6.4600e-003	0.0000	6.6222
Total	3.0619	0.0464	3.9979	2.1000e-004		0.0276	0.0276		0.0275	0.0275	0.0000	89.4780	89.4780	8.0500e-003	1.5200e-003	90.1187

7.0 Water Detail

7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

Use Water Efficient Irrigation System

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	133.9242	0.7029	0.0176	154.1539
Unmitigated	158.6314	0.8783	0.0220	183.8977

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	25.0191 / 15.7729	151.3104	0.8218	0.0206	174.9591
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
Quality Restaurant	1.72407 / 0.110047	7.3210	0.0565	1.3900e-003	8.9385
Total		158.6314	0.8783	0.0220	183.8977

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	20.0153 / 14.8108	128.0188	0.6577	0.0165	146.9549
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
Quality Restaurant	1.37926 / 0.103334	5.9055	0.0452	1.1100e-003	7.1990
Total		133.9242	0.7029	0.0176	154.1539

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	36.9078	2.1812	0.0000	82.7128
Unmitigated	36.9078	2.1812	0.0000	82.7128

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	176.64	35.8563	2.1191	0.0000	80.3563
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Quality Restaurant	5.18	1.0515	0.0621	0.0000	2.3565
Total		36.9078	2.1812	0.0000	82.7128

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	176.64	35.8563	2.1191	0.0000	80.3563
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Quality Restaurant	5.18	1.0515	0.0621	0.0000	2.3565
Total		36.9078	2.1812	0.0000	82.7128

9.0 Operational Offroad

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