

APPENDIX M -
GREENHOUSE GAS EMISSIONS
CALCULATIONS DATA

Camarilo Springs - Existing Golf Course - Ventura County, Annual

**Camarilo Springs - Existing Golf Course
Ventura County, Annual**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Golf Course	18.00	Hole	182.00	2,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.6	Precipitation Freq (Days)	31
Climate Zone	8			Operational Year	2020
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	702.44	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Existing golf course property is 821 acres

Construction Phase - Existing condition assumes no construction activities.

Off-road Equipment - Existing condition assumes no construction.

Demolition - Existing condition assumes no construction.

Trips and VMT - Existing condition assumes no construction.

Vehicle Trips - Default trip rate changed to be consistent with project traffic report.

Land Use Change -

Waste Mitigation - Assumes 67 percent solid waste diversion for Camarillo.

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Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	200.00	1.00
tblConstructionPhase	PhaseEndDate	8/6/20	11/1/19
tblLandUse	LandUseSquareFeet	0.00	2,000.00
tblLandUse	LotAcreage	125.66	182.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblTripsAndVMT	WorkerTripNumber	15.00	0.00
tblVehicleTrips	ST_TR	40.63	30.38
tblVehicleTrips	SU_TR	39.53	30.38
tblVehicleTrips	WD_TR	35.74	30.38

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)
		Highest		

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	3.0000e-005	0.0000	1.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	3.2000e-004	3.2000e-004	0.0000	0.0000	3.4000e-004
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.1395	0.5319	1.4929	4.3300e-003	0.3738	4.7300e-003	0.3786	0.1000	4.4300e-003	0.1044	0.0000	397.5343	397.5343	0.0188	0.0000	398.0037
Waste						0.0000	0.0000		0.0000	0.0000	0.4872	0.0000	0.4872	0.0288	0.0000	1.2070
Water						0.0000	0.0000		0.0000	0.0000	0.0000	529.9961	529.9961	0.0219	4.5300e-003	531.8921
Total	0.1395	0.5319	1.4931	4.3300e-003	0.3738	4.7300e-003	0.3786	0.1000	4.4300e-003	0.1044	0.4872	927.5307	928.0178	0.0695	4.5300e-003	931.1031

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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	3.0000e-005	0.0000	1.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	3.2000e-004	3.2000e-004	0.0000	0.0000	3.4000e-004
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.1395	0.5319	1.4929	4.3300e-003	0.3738	4.7300e-003	0.3786	0.1000	4.4300e-003	0.1044	0.0000	397.5343	397.5343	0.0188	0.0000	398.0037
Waste						0.0000	0.0000		0.0000	0.0000	0.1608	0.0000	0.1608	9.5000e-003	0.0000	0.3983
Water						0.0000	0.0000		0.0000	0.0000	0.0000	529.9961	529.9961	0.0219	4.5300e-003	531.8921
Total	0.1395	0.5319	1.4931	4.3300e-003	0.3738	4.7300e-003	0.3786	0.1000	4.4300e-003	0.1044	0.1608	927.5307	927.6914	0.0502	4.5300e-003	930.2945

	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	67.00	0.00	0.04	27.78	0.00	0.09

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	11/1/2019	11/1/2019	5	1	

Acres of Grading (Site Preparation Phase): 0

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Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Excavators	0	8.00	158	0.38
Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Demolition	Rubber Tired Dozers	0	8.00	247	0.40

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	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

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3.2 Demolition - 2019

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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.0 Operational Detail - Mobile

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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	0.1395	0.5319	1.4929	4.3300e-003	0.3738	4.7300e-003	0.3786	0.1000	4.4300e-003	0.1044	0.0000	397.5343	397.5343	0.0188	0.0000	398.0037
Unmitigated	0.1395	0.5319	1.4929	4.3300e-003	0.3738	4.7300e-003	0.3786	0.1000	4.4300e-003	0.1044	0.0000	397.5343	397.5343	0.0188	0.0000	398.0037

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Golf Course	546.84	546.84	546.84	988,293	988,293
Total	546.84	546.84	546.84	988,293	988,293

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
Golf Course	9.50	7.30	7.30	33.00	48.00	19.00	52	39	9

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Golf Course	0.577012	0.042942	0.189872	0.117495	0.021422	0.006664	0.019052	0.017336	0.001134	0.000976	0.004002	0.000371	0.001721

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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	0.0000	0.0000	0.0000	0.0000	0.0000
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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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			
Golf Course	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Golf Course	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

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	3.0000e-005	0.0000	1.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	3.2000e-004	3.2000e-004	0.0000	0.0000	3.4000e-004
Unmitigated	3.0000e-005	0.0000	1.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	3.2000e-004	3.2000e-004	0.0000	0.0000	3.4000e-004

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	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.0000e-005					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.0000e-005	0.0000	1.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	3.2000e-004	3.2000e-004	0.0000	0.0000	3.4000e-004
Total	4.0000e-005	0.0000	1.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	3.2000e-004	3.2000e-004	0.0000	0.0000	3.4000e-004

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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	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.0000e-005					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.0000e-005	0.0000	1.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	3.2000e-004	3.2000e-004	0.0000	0.0000	3.4000e-004
Total	4.0000e-005	0.0000	1.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	3.2000e-004	3.2000e-004	0.0000	0.0000	3.4000e-004

7.0 Water Detail

7.1 Mitigation Measures Water

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	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	529.9961	0.0219	4.5300e-003	531.8921
Unmitigated	529.9961	0.0219	4.5300e-003	531.8921

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Golf Course	0 / 149.721	529.9961	0.0219	4.5300e-003	531.8921
Total		529.9961	0.0219	4.5300e-003	531.8921

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7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Golf Course	0 / 149.721	529.9961	0.0219	4.5300e-003	531.8921
Total		529.9961	0.0219	4.5300e-003	531.8921

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

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Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	0.1608	9.5000e-003	0.0000	0.3983
Unmitigated	0.4872	0.0288	0.0000	1.2070

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Golf Course	2.4	0.4872	0.0288	0.0000	1.2070
Total		0.4872	0.0288	0.0000	1.2070

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8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Golf Course	0.792	0.1608	9.5000e-003	0.0000	0.3983
Total		0.1608	9.5000e-003	0.0000	0.3983

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

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Camarillo Springs - Proposed Project
Ventura County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	9.50	Acre	9.50	0.00	0
City Park	7.60	Acre	7.60	0.00	0
Golf Course	12.00	Hole	141.40	0.00	0
Retirement Community	248.00	Dwelling Unit	23.51	248,000.00	496

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.6	Precipitation Freq (Days)	31
Climate Zone	8			Operational Year	2027
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

Camarillo Springs - Proposed Project - Ventura County, Annual

Project Characteristics -

Land Use - Default lot acreages and square footages changed to reflect proposed project.

Construction Phase - Default construction dates changed to reflect proposed construction schedule.

Off-road Equipment - Grading Phase - Default unit amount changed to reflect proposed grading equipment.

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Vehicle Trips - Default trip rates changed to be consistent with project traffic report.

Water And Wastewater - Default residential water use values changed to reflect project water supply study.

Construction Off-road Equipment Mitigation - Tier 3 standards recommended for grading phase equipment.

Area Mitigation -

Water Mitigation -

Waste Mitigation - Assumes 67 percent solid waste diversion for Camarillo.

Table Name	Column Name	Default Value	New Value
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	17.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	11.00
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstructionPhase	NumDays	220.00	1,245.00

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tblConstructionPhase	NumDays	3,100.00	1,245.00
tblConstructionPhase	NumDays	310.00	140.00
tblConstructionPhase	NumDays	220.00	15.00
tblGrading	AcresOfGrading	2,380.00	775.00
tblLandUse	LandUseSquareFeet	413,820.00	0.00
tblLandUse	LandUseSquareFeet	331,056.00	0.00
tblLandUse	LotAcreage	83.77	141.40
tblLandUse	LotAcreage	49.60	23.51
tblLandUse	Population	759.00	496.00
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.48	0.48
tblOffRoadEquipment	LoadFactor	0.37	0.37
tblOffRoadEquipment	OffRoadEquipmentType		Off-Highway Trucks
tblOffRoadEquipment	OffRoadEquipmentType		Excavators
tblOffRoadEquipment	OffRoadEquipmentType		Scrapers
tblOffRoadEquipment	OffRoadEquipmentType		Tractors/Loaders/Backhoes
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	16.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	7.00
tblVehicleTrips	ST_TR	22.75	50.00
tblVehicleTrips	ST_TR	40.63	30.38
tblVehicleTrips	ST_TR	2.03	4.27
tblVehicleTrips	SU_TR	16.74	50.00
tblVehicleTrips	SU_TR	39.53	30.38
tblVehicleTrips	SU_TR	1.95	4.27

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tblVehicleTrips	WD_TR	1.89	50.00
tblVehicleTrips	WD_TR	35.74	30.38
tblVehicleTrips	WD_TR	2.40	4.27
tblWater	IndoorWaterUseRate	16,158,198.35	41,820,240.00
tblWater	OutdoorWaterUseRate	10,186,690.27	1,697,250.00

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					
2021	1.6724	18.1761	12.1561	0.0275	1.3009	0.7352	2.0361	0.5203	0.6764	1.1967	0.0000	2,412.5118	2,412.5118	0.7686	0.0000	2,431.7275
2022	0.5979	2.5256	3.0205	6.5500e-003	0.2353	0.1156	0.3509	0.0630	0.1093	0.1723	0.0000	581.9611	581.9611	0.0852	0.0000	584.0915
2023	0.5853	2.3351	3.0133	6.6700e-003	0.2487	0.1020	0.3507	0.0666	0.0965	0.1631	0.0000	592.1837	592.1837	0.0835	0.0000	594.2702
2024	0.5703	2.2113	2.9827	6.6400e-003	0.2507	0.0901	0.3408	0.0671	0.0852	0.1524	0.0000	590.1945	590.1945	0.0831	0.0000	592.2725
2025	0.5489	2.0583	2.9193	6.5400e-003	0.2497	0.0773	0.3270	0.0669	0.0731	0.1400	0.0000	580.7175	580.7175	0.0819	0.0000	582.7658
2026	0.4532	1.7053	2.3979	5.3800e-003	0.2076	0.0643	0.2719	0.0556	0.0608	0.1164	0.0000	477.5169	477.5169	0.0678	0.0000	479.2123
Maximum	1.6724	18.1761	12.1561	0.0275	1.3009	0.7352	2.0361	0.5203	0.6764	1.1967	0.0000	2,412.5118	2,412.5118	0.7686	0.0000	2,431.7275

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2.1 Overall Construction

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					
2021	0.7830	12.6418	13.8659	0.0275	0.5359	0.5110	1.0469	0.2105	0.5056	0.7161	0.0000	2,412.5090	2,412.5090	0.7686	0.0000	2,431.7247
2022	0.5693	2.5444	3.0540	6.5500e-003	0.2353	0.1257	0.3610	0.0630	0.1217	0.1847	0.0000	581.9607	581.9607	0.0852	0.0000	584.0911
2023	0.5596	2.4030	3.0511	6.6700e-003	0.2487	0.1176	0.3663	0.0666	0.1142	0.1808	0.0000	592.1833	592.1833	0.0835	0.0000	594.2698
2024	0.5469	2.3097	3.0193	6.6400e-003	0.2507	0.1091	0.3597	0.0671	0.1060	0.1731	0.0000	590.1941	590.1941	0.0831	0.0000	592.2721
2025	0.5297	2.1951	2.9578	6.5400e-003	0.2497	0.1004	0.3501	0.0669	0.0977	0.1646	0.0000	580.7171	580.7171	0.0819	0.0000	582.7654
2026	0.4372	1.8191	2.4299	5.3800e-003	0.2076	0.0835	0.2911	0.0556	0.0812	0.1368	0.0000	477.5166	477.5166	0.0678	0.0000	479.2120
Maximum	0.7830	12.6418	13.8659	0.0275	0.5359	0.5110	1.0469	0.2105	0.5056	0.7161	0.0000	2,412.5090	2,412.5090	0.7686	0.0000	2,431.7247

	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	22.64	17.57	-7.13	0.00	30.69	11.59	24.53	36.90	6.81	19.82	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	1-4-2021	4-3-2021	8.6699	5.8343
2	4-4-2021	7-3-2021	8.7641	5.8971
3	7-4-2021	10-3-2021	1.6967	1.1732
4	10-4-2021	1-3-2022	0.5189	0.3873
5	1-4-2022	4-3-2022	0.7076	0.7056

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6	4-4-2022	7-3-2022	0.7981	0.7956
7	7-4-2022	10-3-2022	0.8071	0.8045
8	10-4-2022	1-3-2023	0.8098	0.8076
9	1-4-2023	4-3-2023	0.7244	0.7348
10	4-4-2023	7-3-2023	0.7280	0.7385
11	7-4-2023	10-3-2023	0.7361	0.7468
12	10-4-2023	1-3-2024	0.7394	0.7503
13	1-4-2024	4-3-2024	0.6923	0.7109
14	4-4-2024	7-3-2024	0.6881	0.7067
15	7-4-2024	10-3-2024	0.6958	0.7146
16	10-4-2024	1-3-2025	0.6987	0.7179
17	1-4-2025	4-3-2025	0.6443	0.6732
18	4-4-2025	7-3-2025	0.6475	0.6767
19	7-4-2025	10-3-2025	0.6547	0.6843
20	10-4-2025	1-3-2026	0.6587	0.6882
21	1-4-2026	4-3-2026	0.6415	0.6705
22	4-4-2026	7-3-2026	0.6448	0.6741
23	7-4-2026	9-30-2026	0.6307	0.6593
		Highest	8.7641	5.8971

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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	1.1499	0.0212	1.8400	1.0000e-004		0.0102	0.0102		0.0102	0.0102	0.0000	3.0085	3.0085	2.8800e-003	0.0000	3.0805
Energy	0.0171	0.1458	0.0621	9.3000e-004		0.0118	0.0118		0.0118	0.0118	0.0000	512.6608	512.6608	0.0174	6.0300e-003	514.8942
Mobile	0.3068	1.2077	3.6753	0.0150	1.6622	0.0114	1.6736	0.4445	0.0106	0.4551	0.0000	1,384.7318	1,384.7318	0.0508	0.0000	1,386.0011
Waste						0.0000	0.0000		0.0000	0.0000	23.6139	0.0000	23.6139	1.3955	0.0000	58.5025
Water						0.0000	0.0000		0.0000	0.0000	13.2676	564.8959	578.1635	1.3860	0.0370	623.8409
Total	1.4738	1.3747	5.5773	0.0160	1.6622	0.0334	1.6956	0.4445	0.0326	0.4771	36.8816	2,465.2969	2,502.1785	2.8527	0.0430	2,586.3193

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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	1.1499	0.0212	1.8400	1.0000e-004		0.0102	0.0102		0.0102	0.0102	0.0000	3.0085	3.0085	2.8800e-003	0.0000	3.0805
Energy	0.0171	0.1458	0.0621	9.3000e-004		0.0118	0.0118		0.0118	0.0118	0.0000	512.6608	512.6608	0.0174	6.0300e-003	514.8942
Mobile	0.3068	1.2077	3.6753	0.0150	1.6622	0.0114	1.6736	0.4445	0.0106	0.4551	0.0000	1,384.7318	1,384.7318	0.0508	0.0000	1,386.0011
Waste						0.0000	0.0000		0.0000	0.0000	7.7926	0.0000	7.7926	0.4605	0.0000	19.3058
Water						0.0000	0.0000		0.0000	0.0000	10.6141	530.1954	540.8095	1.1121	0.0303	577.6314
Total	1.4738	1.3747	5.5773	0.0160	1.6622	0.0334	1.6956	0.4445	0.0326	0.4771	18.4067	2,430.5964	2,449.0031	1.6437	0.0363	2,500.9132

	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	50.09	1.41	2.13	42.38	15.64	3.30

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	Grading	Grading	1/4/2021	7/16/2021	5	140	Grading
2	Infrastructure	Trenching	7/19/2021	12/31/2021	5	120	Infrastructure Improvements
3	Paving	Paving	1/3/2022	1/21/2022	5	15	Street Improvements
4	Building Construction	Building Construction	1/24/2022	10/30/2026	5	1245	
5	Architectural Coating	Architectural Coating	1/24/2022	10/30/2026	5	1245	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 775

Acres of Paving: 9.5

Residential Indoor: 502,200; Residential Outdoor: 167,400; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; 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
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	2	8.00	187	0.41
Grading	Rubber Tired Dozers	2	8.00	247	0.40
Grading	Scrapers	16	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	7	8.00	97	0.37
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
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48
Grading	Off-Highway Trucks	5	8.00	402	0.38
Infrastructure	Excavators	1	8.00	158	0.38
Infrastructure	Scrapers	1	8.00	367	0.48
Infrastructure	Tractors/Loaders/Backhoes	1	8.00	97	0.37

Trips and VMT

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Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Grading	33	83.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	179.00	27.00	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	36.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Infrastructure	3	8.00					20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Grading - 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					
Fugitive Dust					1.2540	0.0000	1.2540	0.5078	0.0000	0.5078	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.5708	17.2744	11.2560	0.0256		0.6968	0.6968		0.6411	0.6411	0.0000	2,249.5129	2,249.5129	0.7275	0.0000	2,267.7014
Total	1.5708	17.2744	11.2560	0.0256	1.2540	0.6968	1.9509	0.5078	0.6411	1.1489	0.0000	2,249.5129	2,249.5129	0.7275	0.0000	2,267.7014

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3.2 Grading - 2021

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	0.0201	0.0130	0.1431	4.3000e-004	0.0469	3.3000e-004	0.0472	0.0124	3.0000e-004	0.0128	0.0000	38.9309	38.9309	9.9000e-004	0.0000	38.9555
Total	0.0201	0.0130	0.1431	4.3000e-004	0.0469	3.3000e-004	0.0472	0.0124	3.0000e-004	0.0128	0.0000	38.9309	38.9309	9.9000e-004	0.0000	38.9555

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					0.4891	0.0000	0.4891	0.1980	0.0000	0.1980	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.7277	11.9422	12.8573	0.0256		0.4798	0.4798		0.4744	0.4744	0.0000	2,249.5102	2,249.5102	0.7275	0.0000	2,267.6987
Total	0.7277	11.9422	12.8573	0.0256	0.4891	0.4798	0.9688	0.1980	0.4744	0.6724	0.0000	2,249.5102	2,249.5102	0.7275	0.0000	2,267.6987

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3.2 Grading - 2021

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	0.0201	0.0130	0.1431	4.3000e-004	0.0469	3.3000e-004	0.0472	0.0124	3.0000e-004	0.0128	0.0000	38.9309	38.9309	9.9000e-004	0.0000	38.9555
Total	0.0201	0.0130	0.1431	4.3000e-004	0.0469	3.3000e-004	0.0472	0.0124	3.0000e-004	0.0128	0.0000	38.9309	38.9309	9.9000e-004	0.0000	38.9555

3.3 Infrastructure - 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	0.0811	0.8885	0.7547	1.4100e-003		0.0381	0.0381		0.0350	0.0350	0.0000	123.9736	123.9736	0.0401	0.0000	124.9759
Total	0.0811	0.8885	0.7547	1.4100e-003		0.0381	0.0381		0.0350	0.0350	0.0000	123.9736	123.9736	0.0401	0.0000	124.9759

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3.3 Infrastructure - 2021

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
Worker	4.4000e-004	1.4000e-004	2.2300e-003	0.0000	0.0000	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0945	0.0945	1.0000e-005	0.0000	0.0947
Total	4.4000e-004	1.4000e-004	2.2300e-003	0.0000	0.0000	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0945	0.0945	1.0000e-005	0.0000	0.0947

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	0.0347	0.6864	0.8633	1.4100e-003		0.0309	0.0309		0.0309	0.0309	0.0000	123.9734	123.9734	0.0401	0.0000	124.9758
Total	0.0347	0.6864	0.8633	1.4100e-003		0.0309	0.0309		0.0309	0.0309	0.0000	123.9734	123.9734	0.0401	0.0000	124.9758

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3.3 Infrastructure - 2021

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
Worker	4.4000e-004	1.4000e-004	2.2300e-003	0.0000	0.0000	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0945	0.0945	1.0000e-005	0.0000	0.0947
Total	4.4000e-004	1.4000e-004	2.2300e-003	0.0000	0.0000	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0945	0.0945	1.0000e-005	0.0000	0.0947

3.4 Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	8.2700e-003	0.0834	0.1094	1.7000e-004		4.2600e-003	4.2600e-003		3.9200e-003	3.9200e-003	0.0000	15.0207	15.0207	4.8600e-003	0.0000	15.1421
Paving	0.0125					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0207	0.0834	0.1094	1.7000e-004		4.2600e-003	4.2600e-003		3.9200e-003	3.9200e-003	0.0000	15.0207	15.0207	4.8600e-003	0.0000	15.1421

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3.4 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	3.7000e-004	2.3000e-004	2.5600e-003	1.0000e-005	9.1000e-004	1.0000e-005	9.1000e-004	2.4000e-004	1.0000e-005	2.5000e-004	0.0000	0.7261	0.7261	2.0000e-005	0.0000	0.7266
Total	3.7000e-004	2.3000e-004	2.5600e-003	1.0000e-005	9.1000e-004	1.0000e-005	9.1000e-004	2.4000e-004	1.0000e-005	2.5000e-004	0.0000	0.7261	0.7261	2.0000e-005	0.0000	0.7266

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	8.2700e-003	0.0834	0.1094	1.7000e-004		4.2600e-003	4.2600e-003		3.9200e-003	3.9200e-003	0.0000	15.0207	15.0207	4.8600e-003	0.0000	15.1421
Paving	0.0125					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0207	0.0834	0.1094	1.7000e-004		4.2600e-003	4.2600e-003		3.9200e-003	3.9200e-003	0.0000	15.0207	15.0207	4.8600e-003	0.0000	15.1421

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3.4 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	3.7000e-004	2.3000e-004	2.5600e-003	1.0000e-005	9.1000e-004	1.0000e-005	9.1000e-004	2.4000e-004	1.0000e-005	2.5000e-004	0.0000	0.7261	0.7261	2.0000e-005	0.0000	0.7266
Total	3.7000e-004	2.3000e-004	2.5600e-003	1.0000e-005	9.1000e-004	1.0000e-005	9.1000e-004	2.4000e-004	1.0000e-005	2.5000e-004	0.0000	0.7261	0.7261	2.0000e-005	0.0000	0.7266

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	0.2090	1.9129	2.0045	3.3000e-003		0.0991	0.0991		0.0932	0.0932	0.0000	283.8634	283.8634	0.0680	0.0000	285.5636
Total	0.2090	1.9129	2.0045	3.3000e-003		0.0991	0.0991		0.0932	0.0932	0.0000	283.8634	283.8634	0.0680	0.0000	285.5636

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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	8.8700e-003	0.3032	0.0824	8.3000e-004	0.0220	7.9000e-004	0.0228	6.3500e-003	7.5000e-004	7.1000e-003	0.0000	81.0791	81.0791	6.2600e-003	0.0000	81.2357
Worker	0.0714	0.0443	0.4992	1.5700e-003	0.1768	1.2200e-003	0.1780	0.0470	1.1200e-003	0.0481	0.0000	141.5303	141.5303	3.3600e-003	0.0000	141.6143
Total	0.0802	0.3475	0.5815	2.4000e-003	0.1988	2.0100e-003	0.2008	0.0533	1.8700e-003	0.0552	0.0000	222.6093	222.6093	9.6200e-003	0.0000	222.8499

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	0.1805	1.9318	2.0380	3.3000e-003		0.1092	0.1092		0.1057	0.1057	0.0000	283.8631	283.8631	0.0680	0.0000	285.5632
Total	0.1805	1.9318	2.0380	3.3000e-003		0.1092	0.1092		0.1057	0.1057	0.0000	283.8631	283.8631	0.0680	0.0000	285.5632

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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	8.8700e-003	0.3032	0.0824	8.3000e-004	0.0220	7.9000e-004	0.0228	6.3500e-003	7.5000e-004	7.1000e-003	0.0000	81.0791	81.0791	6.2600e-003	0.0000	81.2357
Worker	0.0714	0.0443	0.4992	1.5700e-003	0.1768	1.2200e-003	0.1780	0.0470	1.1200e-003	0.0481	0.0000	141.5303	141.5303	3.3600e-003	0.0000	141.6143
Total	0.0802	0.3475	0.5815	2.4000e-003	0.1988	2.0100e-003	0.2008	0.0533	1.8700e-003	0.0552	0.0000	222.6093	222.6093	9.6200e-003	0.0000	222.8499

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	0.2045	1.8700	2.1117	3.5000e-003		0.0910	0.0910		0.0856	0.0856	0.0000	301.3462	301.3462	0.0717	0.0000	303.1383
Total	0.2045	1.8700	2.1117	3.5000e-003		0.0910	0.0910		0.0856	0.0856	0.0000	301.3462	301.3462	0.0717	0.0000	303.1383

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Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.9800e-003	0.2447	0.0791	8.6000e-004	0.0234	3.2000e-004	0.0237	6.7400e-003	3.0000e-004	7.0400e-003	0.0000	84.1514	84.1514	5.9300e-003	0.0000	84.2997
Worker	0.0713	0.0425	0.4887	1.6000e-003	0.1876	1.2600e-003	0.1889	0.0498	1.1600e-003	0.0510	0.0000	144.4438	144.4438	3.2100e-003	0.0000	144.5240
Total	0.0783	0.2872	0.5678	2.4600e-003	0.2110	1.5800e-003	0.2126	0.0566	1.4600e-003	0.0580	0.0000	228.5951	228.5951	9.1400e-003	0.0000	228.8237

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	0.1787	1.9379	2.1495	3.5000e-003		0.1066	0.1066		0.1033	0.1033	0.0000	301.3458	301.3458	0.0717	0.0000	303.1380
Total	0.1787	1.9379	2.1495	3.5000e-003		0.1066	0.1066		0.1033	0.1033	0.0000	301.3458	301.3458	0.0717	0.0000	303.1380

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Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.9800e-003	0.2447	0.0791	8.6000e-004	0.0234	3.2000e-004	0.0237	6.7400e-003	3.0000e-004	7.0400e-003	0.0000	84.1514	84.1514	5.9300e-003	0.0000	84.2997
Worker	0.0713	0.0425	0.4887	1.6000e-003	0.1876	1.2600e-003	0.1889	0.0498	1.1600e-003	0.0510	0.0000	144.4438	144.4438	3.2100e-003	0.0000	144.5240
Total	0.0783	0.2872	0.5678	2.4600e-003	0.2110	1.5800e-003	0.2126	0.0566	1.4600e-003	0.0580	0.0000	228.5951	228.5951	9.1400e-003	0.0000	228.8237

3.5 Building Construction - 2024

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	0.1928	1.7611	2.1179	3.5300e-003		0.0803	0.0803		0.0756	0.0756	0.0000	303.7223	303.7223	0.0718	0.0000	305.5179
Total	0.1928	1.7611	2.1179	3.5300e-003		0.0803	0.0803		0.0756	0.0756	0.0000	303.7223	303.7223	0.0718	0.0000	305.5179

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3.5 Building Construction - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.8100e-003	0.2438	0.0777	8.6000e-004	0.0236	3.1000e-004	0.0239	6.7900e-003	3.0000e-004	7.0900e-003	0.0000	84.3822	84.3822	5.8700e-003	0.0000	84.5290
Worker	0.0680	0.0389	0.4579	1.5500e-003	0.1891	1.2500e-003	0.1903	0.0502	1.1500e-003	0.0514	0.0000	140.4046	140.4046	2.9500e-003	0.0000	140.4783
Total	0.0748	0.2827	0.5356	2.4100e-003	0.2126	1.5600e-003	0.2142	0.0570	1.4500e-003	0.0585	0.0000	224.7867	224.7867	8.8200e-003	0.0000	225.0073

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	0.1694	1.8595	2.1545	3.5300e-003		0.0993	0.0993		0.0963	0.0963	0.0000	303.7220	303.7220	0.0718	0.0000	305.5175
Total	0.1694	1.8595	2.1545	3.5300e-003		0.0993	0.0993		0.0963	0.0963	0.0000	303.7220	303.7220	0.0718	0.0000	305.5175

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Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.8100e-003	0.2438	0.0777	8.6000e-004	0.0236	3.1000e-004	0.0239	6.7900e-003	3.0000e-004	7.0900e-003	0.0000	84.3822	84.3822	5.8700e-003	0.0000	84.5290
Worker	0.0680	0.0389	0.4579	1.5500e-003	0.1891	1.2500e-003	0.1903	0.0502	1.1500e-003	0.0514	0.0000	140.4046	140.4046	2.9500e-003	0.0000	140.4783
Total	0.0748	0.2827	0.5356	2.4100e-003	0.2126	1.5600e-003	0.2142	0.0570	1.4500e-003	0.0585	0.0000	224.7867	224.7867	8.8200e-003	0.0000	225.0073

3.5 Building Construction - 2025

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	0.1785	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6549	302.6549	0.0711	0.0000	304.4335
Total	0.1785	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6549	302.6549	0.0711	0.0000	304.4335

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3.5 Building Construction - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.5500e-003	0.2390	0.0758	8.5000e-004	0.0235	3.0000e-004	0.0238	6.7700e-003	2.9000e-004	7.0600e-003	0.0000	83.5372	83.5372	5.7600e-003	0.0000	83.6812
Worker	0.0644	0.0354	0.4233	1.4800e-003	0.1884	1.2300e-003	0.1896	0.0500	1.1300e-003	0.0512	0.0000	134.2129	134.2129	2.6700e-003	0.0000	134.2797
Total	0.0709	0.2744	0.4991	2.3300e-003	0.2118	1.5300e-003	0.2134	0.0568	1.4200e-003	0.0582	0.0000	217.7501	217.7501	8.4300e-003	0.0000	217.9609

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	0.1592	1.7641	2.1376	3.5200e-003		0.0920	0.0920		0.0894	0.0894	0.0000	302.6545	302.6545	0.0711	0.0000	304.4331
Total	0.1592	1.7641	2.1376	3.5200e-003		0.0920	0.0920		0.0894	0.0894	0.0000	302.6545	302.6545	0.0711	0.0000	304.4331

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3.5 Building Construction - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.5500e-003	0.2390	0.0758	8.5000e-004	0.0235	3.0000e-004	0.0238	6.7700e-003	2.9000e-004	7.0600e-003	0.0000	83.5372	83.5372	5.7600e-003	0.0000	83.6812
Worker	0.0644	0.0354	0.4233	1.4800e-003	0.1884	1.2300e-003	0.1896	0.0500	1.1300e-003	0.0512	0.0000	134.2129	134.2129	2.6700e-003	0.0000	134.2797
Total	0.0709	0.2744	0.4991	2.3300e-003	0.2118	1.5300e-003	0.2134	0.0568	1.4200e-003	0.0582	0.0000	217.7501	217.7501	8.4300e-003	0.0000	217.9609

3.5 Building Construction - 2026

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	0.1484	1.3530	1.7452	2.9300e-003		0.0572	0.0572		0.0538	0.0538	0.0000	251.6326	251.6326	0.0592	0.0000	253.1114
Total	0.1484	1.3530	1.7452	2.9300e-003		0.0572	0.0572		0.0538	0.0538	0.0000	251.6326	251.6326	0.0592	0.0000	253.1114

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3.5 Building Construction - 2026

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	5.2800e-003	0.1957	0.0621	7.0000e-004	0.0195	2.4000e-004	0.0198	5.6300e-003	2.3000e-004	5.8600e-003	0.0000	69.0490	69.0490	4.7200e-003	0.0000	69.1669
Worker	0.0510	0.0270	0.3283	1.1900e-003	0.1566	9.9000e-004	0.1576	0.0416	9.1000e-004	0.0425	0.0000	107.5103	107.5103	2.0300e-003	0.0000	107.5611
Total	0.0563	0.2227	0.3904	1.8900e-003	0.1761	1.2300e-003	0.1774	0.0472	1.1400e-003	0.0484	0.0000	176.5593	176.5593	6.7500e-003	0.0000	176.7280

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	0.1324	1.4667	1.7772	2.9300e-003		0.0765	0.0765		0.0743	0.0743	0.0000	251.6323	251.6323	0.0592	0.0000	253.1111
Total	0.1324	1.4667	1.7772	2.9300e-003		0.0765	0.0765		0.0743	0.0743	0.0000	251.6323	251.6323	0.0592	0.0000	253.1111

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3.5 Building Construction - 2026

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	5.2800e-003	0.1957	0.0621	7.0000e-004	0.0195	2.4000e-004	0.0198	5.6300e-003	2.3000e-004	5.8600e-003	0.0000	69.0490	69.0490	4.7200e-003	0.0000	69.1669
Worker	0.0510	0.0270	0.3283	1.1900e-003	0.1566	9.9000e-004	0.1576	0.0416	9.1000e-004	0.0425	0.0000	107.5103	107.5103	2.0300e-003	0.0000	107.5611
Total	0.0563	0.2227	0.3904	1.8900e-003	0.1761	1.2300e-003	0.1774	0.0472	1.1400e-003	0.0484	0.0000	176.5593	176.5593	6.7500e-003	0.0000	176.7280

3.6 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.2481					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0251	0.1725	0.2222	3.6000e-004		0.0100	0.0100		0.0100	0.0100	0.0000	31.2774	31.2774	2.0400e-003	0.0000	31.3283
Total	0.2732	0.1725	0.2222	3.6000e-004		0.0100	0.0100		0.0100	0.0100	0.0000	31.2774	31.2774	2.0400e-003	0.0000	31.3283

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3.6 Architectural Coating - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0144	8.9100e-003	0.1004	3.1000e-004	0.0356	2.4000e-004	0.0358	9.4500e-003	2.3000e-004	9.6700e-003	0.0000	28.4642	28.4642	6.8000e-004	0.0000	28.4811
Total	0.0144	8.9100e-003	0.1004	3.1000e-004	0.0356	2.4000e-004	0.0358	9.4500e-003	2.3000e-004	9.6700e-003	0.0000	28.4642	28.4642	6.8000e-004	0.0000	28.4811

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	0.2481					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0251	0.1725	0.2222	3.6000e-004		0.0100	0.0100		0.0100	0.0100	0.0000	31.2773	31.2773	2.0400e-003	0.0000	31.3282
Total	0.2732	0.1725	0.2222	3.6000e-004		0.0100	0.0100		0.0100	0.0100	0.0000	31.2773	31.2773	2.0400e-003	0.0000	31.3282

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3.6 Architectural Coating - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0144	8.9100e-003	0.1004	3.1000e-004	0.0356	2.4000e-004	0.0358	9.4500e-003	2.3000e-004	9.6700e-003	0.0000	28.4642	28.4642	6.8000e-004	0.0000	28.4811
Total	0.0144	8.9100e-003	0.1004	3.1000e-004	0.0356	2.4000e-004	0.0358	9.4500e-003	2.3000e-004	9.6700e-003	0.0000	28.4642	28.4642	6.8000e-004	0.0000	28.4811

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	0.2633					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0249	0.1694	0.2355	3.9000e-004		9.2100e-003	9.2100e-003		9.2100e-003	9.2100e-003	0.0000	33.1923	33.1923	1.9900e-003	0.0000	33.2419
Total	0.2882	0.1694	0.2355	3.9000e-004		9.2100e-003	9.2100e-003		9.2100e-003	9.2100e-003	0.0000	33.1923	33.1923	1.9900e-003	0.0000	33.2419

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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	0.0143	8.5400e-003	0.0983	3.2000e-004	0.0377	2.5000e-004	0.0380	0.0100	2.3000e-004	0.0103	0.0000	29.0501	29.0501	6.5000e-004	0.0000	29.0663
Total	0.0143	8.5400e-003	0.0983	3.2000e-004	0.0377	2.5000e-004	0.0380	0.0100	2.3000e-004	0.0103	0.0000	29.0501	29.0501	6.5000e-004	0.0000	29.0663

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	0.2633					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0249	0.1694	0.2354	3.9000e-004		9.2100e-003	9.2100e-003		9.2100e-003	9.2100e-003	0.0000	33.1923	33.1923	1.9900e-003	0.0000	33.2419
Total	0.2882	0.1694	0.2354	3.9000e-004		9.2100e-003	9.2100e-003		9.2100e-003	9.2100e-003	0.0000	33.1923	33.1923	1.9900e-003	0.0000	33.2419

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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	0.0143	8.5400e-003	0.0983	3.2000e-004	0.0377	2.5000e-004	0.0380	0.0100	2.3000e-004	0.0103	0.0000	29.0501	29.0501	6.5000e-004	0.0000	29.0663
Total	0.0143	8.5400e-003	0.0983	3.2000e-004	0.0377	2.5000e-004	0.0380	0.0100	2.3000e-004	0.0103	0.0000	29.0501	29.0501	6.5000e-004	0.0000	29.0663

3.6 Architectural Coating - 2024

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	0.2653					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0237	0.1597	0.2371	3.9000e-004		7.9800e-003	7.9800e-003		7.9800e-003	7.9800e-003	0.0000	33.4476	33.4476	1.8800e-003	0.0000	33.4947
Total	0.2890	0.1597	0.2371	3.9000e-004		7.9800e-003	7.9800e-003		7.9800e-003	7.9800e-003	0.0000	33.4476	33.4476	1.8800e-003	0.0000	33.4947

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3.6 Architectural Coating - 2024

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	0.0137	7.8200e-003	0.0921	3.1000e-004	0.0380	2.5000e-004	0.0383	0.0101	2.3000e-004	0.0103	0.0000	28.2378	28.2378	5.9000e-004	0.0000	28.2526
Total	0.0137	7.8200e-003	0.0921	3.1000e-004	0.0380	2.5000e-004	0.0383	0.0101	2.3000e-004	0.0103	0.0000	28.2378	28.2378	5.9000e-004	0.0000	28.2526

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	0.2653					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0237	0.1597	0.2371	3.9000e-004		7.9800e-003	7.9800e-003		7.9800e-003	7.9800e-003	0.0000	33.4476	33.4476	1.8800e-003	0.0000	33.4947
Total	0.2890	0.1597	0.2371	3.9000e-004		7.9800e-003	7.9800e-003		7.9800e-003	7.9800e-003	0.0000	33.4476	33.4476	1.8800e-003	0.0000	33.4947

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3.6 Architectural Coating - 2024

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	0.0137	7.8200e-003	0.0921	3.1000e-004	0.0380	2.5000e-004	0.0383	0.0101	2.3000e-004	0.0103	0.0000	28.2378	28.2378	5.9000e-004	0.0000	28.2526
Total	0.0137	7.8200e-003	0.0921	3.1000e-004	0.0380	2.5000e-004	0.0383	0.0101	2.3000e-004	0.0103	0.0000	28.2378	28.2378	5.9000e-004	0.0000	28.2526

3.6 Architectural Coating - 2025

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	0.2643					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0223	0.1495	0.2361	3.9000e-004		6.7200e-003	6.7200e-003		6.7200e-003	6.7200e-003	0.0000	33.3200	33.3200	1.8200e-003	0.0000	33.3654
Total	0.2866	0.1495	0.2361	3.9000e-004		6.7200e-003	6.7200e-003		6.7200e-003	6.7200e-003	0.0000	33.3200	33.3200	1.8200e-003	0.0000	33.3654

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3.6 Architectural Coating - 2025

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	0.0129	7.1100e-003	0.0851	3.0000e-004	0.0379	2.5000e-004	0.0381	0.0101	2.3000e-004	0.0103	0.0000	26.9925	26.9925	5.4000e-004	0.0000	27.0060
Total	0.0129	7.1100e-003	0.0851	3.0000e-004	0.0379	2.5000e-004	0.0381	0.0101	2.3000e-004	0.0103	0.0000	26.9925	26.9925	5.4000e-004	0.0000	27.0060

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	0.2643					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0223	0.1495	0.2361	3.9000e-004		6.7200e-003	6.7200e-003		6.7200e-003	6.7200e-003	0.0000	33.3199	33.3199	1.8200e-003	0.0000	33.3654
Total	0.2866	0.1495	0.2361	3.9000e-004		6.7200e-003	6.7200e-003		6.7200e-003	6.7200e-003	0.0000	33.3199	33.3199	1.8200e-003	0.0000	33.3654

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3.6 Architectural Coating - 2025

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	0.0129	7.1100e-003	0.0851	3.0000e-004	0.0379	2.5000e-004	0.0381	0.0101	2.3000e-004	0.0103	0.0000	26.9925	26.9925	5.4000e-004	0.0000	27.0060
Total	0.0129	7.1100e-003	0.0851	3.0000e-004	0.0379	2.5000e-004	0.0381	0.0101	2.3000e-004	0.0103	0.0000	26.9925	26.9925	5.4000e-004	0.0000	27.0060

3.6 Architectural Coating - 2026

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	0.2198					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0185	0.1243	0.1963	3.2000e-004		5.5900e-003	5.5900e-003		5.5900e-003	5.5900e-003	0.0000	27.7028	27.7028	1.5100e-003	0.0000	27.7406
Total	0.2383	0.1243	0.1963	3.2000e-004		5.5900e-003	5.5900e-003		5.5900e-003	5.5900e-003	0.0000	27.7028	27.7028	1.5100e-003	0.0000	27.7406

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3.6 Architectural Coating - 2026

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	0.0103	5.4300e-003	0.0660	2.4000e-004	0.0315	2.0000e-004	0.0317	8.3700e-003	1.8000e-004	8.5500e-003	0.0000	21.6222	21.6222	4.1000e-004	0.0000	21.6324
Total	0.0103	5.4300e-003	0.0660	2.4000e-004	0.0315	2.0000e-004	0.0317	8.3700e-003	1.8000e-004	8.5500e-003	0.0000	21.6222	21.6222	4.1000e-004	0.0000	21.6324

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	0.2198					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0185	0.1243	0.1963	3.2000e-004		5.5900e-003	5.5900e-003		5.5900e-003	5.5900e-003	0.0000	27.7028	27.7028	1.5100e-003	0.0000	27.7406
Total	0.2383	0.1243	0.1963	3.2000e-004		5.5900e-003	5.5900e-003		5.5900e-003	5.5900e-003	0.0000	27.7028	27.7028	1.5100e-003	0.0000	27.7406

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3.6 Architectural Coating - 2026

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	0.0103	5.4300e-003	0.0660	2.4000e-004	0.0315	2.0000e-004	0.0317	8.3700e-003	1.8000e-004	8.5500e-003	0.0000	21.6222	21.6222	4.1000e-004	0.0000	21.6324
Total	0.0103	5.4300e-003	0.0660	2.4000e-004	0.0315	2.0000e-004	0.0317	8.3700e-003	1.8000e-004	8.5500e-003	0.0000	21.6222	21.6222	4.1000e-004	0.0000	21.6324

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	0.3068	1.2077	3.6753	0.0150	1.6622	0.0114	1.6736	0.4445	0.0106	0.4551	0.0000	1,384.7318	1,384.7318	0.0508	0.0000	1,386.0011
Unmitigated	0.3068	1.2077	3.6753	0.0150	1.6622	0.0114	1.6736	0.4445	0.0106	0.4551	0.0000	1,384.7318	1,384.7318	0.0508	0.0000	1,386.0011

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	380.00	380.00	380.00	811,244	811,244
Golf Course	364.56	364.56	364.56	658,862	658,862
Other Asphalt Surfaces	0.00	0.00	0.00		
Retirement Community	1,058.96	1,058.96	1,058.96	2,925,983	2,925,983
Total	1,803.52	1,803.52	1,803.52	4,396,089	4,396,089

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
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6
Golf Course	9.50	7.30	7.30	33.00	48.00	19.00	52	39	9
Other Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Retirement Community	10.80	7.30	7.50	32.90	18.00	49.10	86	11	3

4.4 Fleet Mix

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Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.606220	0.039388	0.187721	0.099847	0.014851	0.005755	0.020359	0.018389	0.001198	0.001075	0.003720	0.000404	0.001073
Golf Course	0.606220	0.039388	0.187721	0.099847	0.014851	0.005755	0.020359	0.018389	0.001198	0.001075	0.003720	0.000404	0.001073
Other Asphalt Surfaces	0.606220	0.039388	0.187721	0.099847	0.014851	0.005755	0.020359	0.018389	0.001198	0.001075	0.003720	0.000404	0.001073
Retirement Community	0.606220	0.039388	0.187721	0.099847	0.014851	0.005755	0.020359	0.018389	0.001198	0.001075	0.003720	0.000404	0.001073

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	343.7975	343.7975	0.0142	2.9400e-003	345.0275
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	343.7975	343.7975	0.0142	2.9400e-003	345.0275
NaturalGas Mitigated	0.0171	0.1458	0.0621	9.3000e-004		0.0118	0.0118		0.0118	0.0118	0.0000	168.8633	168.8633	3.2400e-003	3.1000e-003	169.8668
NaturalGas Unmitigated	0.0171	0.1458	0.0621	9.3000e-004		0.0118	0.0118		0.0118	0.0118	0.0000	168.8633	168.8633	3.2400e-003	3.1000e-003	169.8668

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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					
City Park	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
Golf Course	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
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Retirement Community	3.16438e+006	0.0171	0.1458	0.0621	9.3000e-004		0.0118	0.0118		0.0118	0.0118	0.0000	168.8633	168.8633	3.2400e-003	3.1000e-003	169.8668
Total		0.0171	0.1458	0.0621	9.3000e-004		0.0118	0.0118		0.0118	0.0118	0.0000	168.8633	168.8633	3.2400e-003	3.1000e-003	169.8668

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5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
City Park	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
Golf Course	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
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Retirement Community	3.16438e+006	0.0171	0.1458	0.0621	9.3000e-004		0.0118	0.0118		0.0118	0.0118	0.0000	168.8633	168.8633	3.2400e-003	3.1000e-003	169.8668
Total		0.0171	0.1458	0.0621	9.3000e-004		0.0118	0.0118		0.0118	0.0118	0.0000	168.8633	168.8633	3.2400e-003	3.1000e-003	169.8668

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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			
City Park	0	0.0000	0.0000	0.0000	0.0000
Golf Course	0	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Retirement Community	1.07902e+006	343.7975	0.0142	2.9400e-003	345.0275
Total		343.7975	0.0142	2.9400e-003	345.0275

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5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
Golf Course	0	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Retirement Community	1.07902e+006	343.7975	0.0142	2.9400e-003	345.0275
Total		343.7975	0.0142	2.9400e-003	345.0275

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

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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	1.1499	0.0212	1.8400	1.0000e-004		0.0102	0.0102		0.0102	0.0102	0.0000	3.0085	3.0085	2.8800e-003	0.0000	3.0805
Unmitigated	1.1499	0.0212	1.8400	1.0000e-004		0.0102	0.0102		0.0102	0.0102	0.0000	3.0085	3.0085	2.8800e-003	0.0000	3.0805

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	0.1261					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.9686					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	0.0553	0.0212	1.8400	1.0000e-004		0.0102	0.0102		0.0102	0.0102	0.0000	3.0085	3.0085	2.8800e-003	0.0000	3.0805
Total	1.1499	0.0212	1.8400	1.0000e-004		0.0102	0.0102		0.0102	0.0102	0.0000	3.0085	3.0085	2.8800e-003	0.0000	3.0805

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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	0.1261					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.9686					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	0.0553	0.0212	1.8400	1.0000e-004		0.0102	0.0102		0.0102	0.0102	0.0000	3.0085	3.0085	2.8800e-003	0.0000	3.0805
Total	1.1499	0.0212	1.8400	1.0000e-004		0.0102	0.0102		0.0102	0.0102	0.0000	3.0085	3.0085	2.8800e-003	0.0000	3.0805

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

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	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	540.8095	1.1121	0.0303	577.6314
Unmitigated	578.1635	1.3860	0.0370	623.8409

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 9.05526	32.0546	1.3200e-003	2.7000e-004	32.1692
Golf Course	0 / 99.8142	353.3307	0.0146	3.0200e-003	354.5948
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Retirement Community	41.8202 / 1.69725	192.7782	1.3701	0.0337	237.0769
Total		578.1635	1.3860	0.0370	623.8409

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7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 9.05526	32.0546	1.3200e-003	2.7000e-004	32.1692
Golf Course	0 / 99.8142	353.3307	0.0146	3.0200e-003	354.5948
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Retirement Community	33.4562 / 1.69725	155.4242	1.0962	0.0270	190.8674
Total		540.8095	1.1121	0.0303	577.6314

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

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Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	7.7926	0.4605	0.0000	19.3058
Unmitigated	23.6139	1.3955	0.0000	58.5025

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0.65	0.1319	7.8000e-003	0.0000	0.3269
Golf Course	1.6	0.3248	0.0192	0.0000	0.8046
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Retirement Community	114.08	23.1572	1.3686	0.0000	57.3710
Total		23.6139	1.3955	0.0000	58.5025

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8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0.2145	0.0435	2.5700e-003	0.0000	0.1079
Golf Course	0.528	0.1072	6.3300e-003	0.0000	0.2655
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Retirement Community	37.6464	7.6419	0.4516	0.0000	18.9324
Total		7.7926	0.4605	0.0000	19.3058

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

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

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

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Equipment Type	Number
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11.0 Vegetation
