

Mace Ranch Innovation Center - GHG - Existing Conditions
Yolo County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Research & Development	45.90	1000sqft	1.05	45,901.00	0
Other Non-Asphalt Surfaces	16.58	Acre	16.58	722,224.80	0
Regional Shopping Center	25.16	1000sqft	0.58	25,155.00	0

1.2 Other Project Characteristics

Urbanization	Rural	Wind Speed (m/s)	6.8	Precipitation Freq (Days)	54
Climate Zone	2			Operational Year	2015
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	641.35	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - *

Construction Phase - existing conditions - no construction

On-road Fugitive Dust - all roadways would be paved

Grading - total project site (including Mace Triangle) = 228 acres

Vehicle Trips - based on info from current farmer for existing ag; default rates for other

Road Dust -

Mobile Land Use Mitigation -

Area Mitigation -

Energy Mitigation -

Water Mitigation - project required to comply with Tier 1 CALGreen Code standards

Operational Off-Road Equipment - based on info from current farming operations

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	10.00	522.00
tblConstructionPhase	PhaseEndDate	1/1/2018	12/31/2015
tblLandUse	LandUseSquareFeet	45,900.00	45,901.00
tblLandUse	LandUseSquareFeet	25,160.00	25,155.00
tblOnRoadDust	HaulingPercentPave	94.00	100.00
tblOnRoadDust	VendorPercentPave	94.00	100.00
tblOnRoadDust	WorkerPercentPave	94.00	100.00
tblOperationalOffRoadEquipment	OperDaysPerYear	260.00	114.00
tblOperationalOffRoadEquipment	OperDaysPerYear	260.00	6.00
tblOperationalOffRoadEquipment	OperDaysPerYear	260.00	5.00
tblOperationalOffRoadEquipment	OperDaysPerYear	260.00	1.00
tblOperationalOffRoadEquipment	OperDaysPerYear	260.00	6.00
tblOperationalOffRoadEquipment	OperDaysPerYear	260.00	1.00
tblOperationalOffRoadEquipment	OperDaysPerYear	260.00	5.00

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tblOperationalOffRoadEquipment	OperHorsePower	97.00	80.00
tblOperationalOffRoadEquipment	OperHorsePower	97.00	80.00
tblOperationalOffRoadEquipment	OperHorsePower	97.00	81.00

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tblOperationalOffRoadEquipment	OperHoursPerDay	8.00	10.00
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tblOperationalOffRoadEquipment	OperHoursPerDay	8.00	12.00
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tblOperationalOffRoadEquipment	OperHoursPerDay	8.00	12.00
tblOperationalOffRoadEquipment	OperHoursPerDay	8.00	24.00
tblOperationalOffRoadEquipment	OperHoursPerDay	8.00	10.00
tblOperationalOffRoadEquipment	OperHoursPerDay	8.00	12.00
tblOperationalOffRoadEquipment	OperHoursPerDay	8.00	10.00
tblOperationalOffRoadEquipment	OperHoursPerDay	8.00	10.00
tblOperationalOffRoadEquipment	OperHoursPerDay	8.00	12.00
tblOperationalOffRoadEquipment	OperHoursPerDay	8.00	10.00
tblOperationalOffRoadEquipment	OperHoursPerDay	8.00	10.00
tblOperationalOffRoadEquipment	OperHoursPerDay	8.00	12.00
tblOperationalOffRoadEquipment	OperHoursPerDay	8.00	6.00
tblOperationalOffRoadEquipment	OperHoursPerDay	8.00	24.00
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tblOperationalOffRoadEquipment	OperLoadFactor	0.40	0.40
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tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	2.00
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	1.00
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tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	4.00
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	2.00
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	2.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area											0.0000	1.5700e-003	1.5700e-003	0.0000	0.0000	1.6600e-003
Energy											0.0000	285.7672	285.7672	0.0112	3.2500e-003	287.0116
Mobile											0.0000	1,292.2870	1,292.2870	0.0540	0.0000	1,293.4201
Offroad											0.0000	228.6528	228.6528	0.0419	0.0000	229.5319
Waste											6.0715	0.0000	6.0715	0.3588	0.0000	13.6065
Water											7.7513	39.6226	47.3739	0.7979	0.0192	70.0727
Total											13.8227	1,846.3312	1,860.1539	1.2638	0.0224	1,893.6445

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area											0.0000	1.5700e-003	1.5700e-003	0.0000	0.0000	1.6600e-003
Energy											0.0000	248.0549	248.0549	0.0100	2.7300e-003	249.1113
Mobile											0.0000	1,206.9912	1,206.9912	0.0508	0.0000	1,208.0582
Offroad											0.0000	228.6528	228.6528	0.0419	0.0000	229.5319
Waste											6.0715	0.0000	6.0715	0.3588	0.0000	13.6065
Water											5.4259	25.8362	31.2621	0.5585	0.0134	47.1439
Total											11.4974	1,709.5367	1,721.0340	1.0200	0.0161	1,747.4535

	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	16.82	19.79	19.77	22.61	28.06	19.84

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	1/1/2016	12/31/2015	5	522	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

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

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37

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
Site Preparation	7	18.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Increase Transit Accessibility

Improve Pedestrian Network

	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											0.0000	1,206.9912	1,206.9912	0.0508	0.0000	1,208.0582
Unmitigated											0.0000	1,292.2870	1,292.2870	0.0540	0.0000	1,293.4201

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Regional Shopping Center	1,080.37	1,257.25	635.04	1,889,264	1,758,905
Research & Development	372.25	87.21	50.95	827,032	769,966
Total	1,452.62	1,344.46	685.99	2,716,296	2,528,871

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
Other Non-Asphalt Surfaces	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0
Regional Shopping Center	14.70	6.60	6.60	16.30	64.70	19.00	54	35	11
Research & Development	14.70	6.60	6.60	33.00	48.00	19.00	82	15	3

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.480297	0.068108	0.152696	0.151211	0.060189	0.006855	0.034541	0.032901	0.000938	0.001917	0.007586	0.000677	0.002085

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

	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					
NaturalGas Mitigated											0.0000	45.3611	45.3611	8.7000e-004	8.3000e-004	45.6371
NaturalGas Unmitigated											0.0000	64.5314	64.5314	1.2400e-003	1.1800e-003	64.9242
Electricity Mitigated											0.0000	202.6938	202.6938	9.1700e-003	1.9000e-003	203.4741
Electricity Unmitigated											0.0000	221.2358	221.2358	0.0100	2.0700e-003	222.0874

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					
Other Non-Asphalt Surfaces	0											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	309155											0.0000	16.4977	16.4977	3.2000e-004	3.0000e-004	16.5981
Research & Development	900119											0.0000	48.0338	48.0338	9.2000e-004	8.8000e-004	48.3261
Total												0.0000	64.5315	64.5315	1.2400e-003	1.1800e-003	64.9242

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					
Other Non-Asphalt Surfaces	0											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	219125											0.0000	11.6934	11.6934	2.2000e-004	2.1000e-004	11.7645
Research & Development	630909											0.0000	33.6677	33.6677	6.5000e-004	6.2000e-004	33.8726
Total												0.0000	45.3611	45.3611	8.7000e-004	8.3000e-004	45.6371

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	336825	97.9864	4.4300e-003	9.2000e-004	98.3636
Research & Development	423666	123.2494	5.5700e-003	1.1500e-003	123.7238
Total		221.2358	0.0100	2.0700e-003	222.0874

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	300904	87.5365	3.9600e-003	8.2000e-004	87.8734
Research & Development	395850	115.1574	5.2100e-003	1.0800e-003	115.6007
Total		202.6938	9.1700e-003	1.9000e-003	203.4741

6.0 Area Detail

6.1 Mitigation Measures Area

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											0.0000	1.5700e-003	1.5700e-003	0.0000	0.0000	1.6600e-003
Unmitigated											0.0000	1.5700e-003	1.5700e-003	0.0000	0.0000	1.6600e-003

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
Consumer Products											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping											0.0000	1.5700e-003	1.5700e-003	0.0000	0.0000	1.6600e-003
Total											0.0000	1.5700e-003	1.5700e-003	0.0000	0.0000	1.6600e-003

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
Consumer Products											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping											0.0000	1.5700e-003	1.5700e-003	0.0000	0.0000	1.6600e-003
Total											0.0000	1.5700e-003	1.5700e-003	0.0000	0.0000	1.6600e-003

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Unmitigated	47.3739	0.7979	0.0192	70.0727
Mitigated	31.2621	0.5585	0.0134	47.1439

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	1.86366 / 1.14225	4.6879	0.0609	1.4700e-003	6.4235
Research & Development	22.5688 / 0	42.6860	0.7370	0.0177	63.6492
Total		47.3739	0.7979	0.0192	70.0727

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	1.30457 / 1.14225	3.4589	0.0427	1.0300e-003	4.6745
Research & Development	15.7981 / 0	27.8032	0.5158	0.0124	42.4694
Total		31.2621	0.5585	0.0134	47.1439

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	6.0715	0.3588	0.0000	13.6065
Unmitigated	6.0715	0.3588	0.0000	13.6065

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	26.42	5.3630	0.3170	0.0000	12.0189
Research & Development	3.49	0.7084	0.0419	0.0000	1.5877
Total		6.0715	0.3588	0.0000	13.6065

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	26.42	5.3630	0.3170	0.0000	12.0189
Research & Development	3.49	0.7084	0.0419	0.0000	1.5877
Total		6.0715	0.3588	0.0000	13.6065

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
Pumps	1	24.00	114	120	0.74	Diesel
Other Material Handling Equipment	2	10.00	6	80	0.40	Diesel
Forklifts	2	10.00	5	89	0.20	Diesel
Other Material Handling Equipment	1	10.00	1	7	0.40	Diesel
Other Material Handling Equipment	2	24.00	6	220	0.40	Diesel
Tractors/Loaders/Backhoes	1	12.00	1	120	0.37	Diesel
Tractors/Loaders/Backhoes	6	10.00	5	160	0.37	Diesel
Tractors/Loaders/Backhoes	3	12.00	9	160	0.37	Diesel
Tractors/Loaders/Backhoes	4	24.00	6	160	0.37	Diesel
Tractors/Loaders/Backhoes	2	10.00	5	200	0.37	Diesel
Tractors/Loaders/Backhoes	2	12.00	5	200	0.37	Diesel
Tractors/Loaders/Backhoes	1	10.00	4	80	0.37	Diesel
Tractors/Loaders/Backhoes	2	10.00	4	80	0.37	Diesel
Tractors/Loaders/Backhoes	6	10.00	4	80	0.37	Diesel
Tractors/Loaders/Backhoes	1	12.00	1	81	0.37	Diesel
Tractors/Loaders/Backhoes	1	6.00	1	82	0.37	Diesel
Tractors/Loaders/Backhoes	1	24.00	6	83	0.37	Diesel
Tractors/Loaders/Backhoes	1	10.00	4	330	0.37	Diesel
Tractors/Loaders/Backhoes	1	12.00	9	300	0.37	Diesel
Other Material Handling Equipment	6	10.00	5	167	0.40	Diesel
Other Construction Equipment	2	10.00	5	171	0.42	Diesel

UnMitigated/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
Equipment Type	tons/yr										MT/yr					
Forklifts											0.0000	0.9138	0.9138	2.7000e-004	0.0000	0.9195
Other Construction Equipment											0.0000	3.6178	3.6178	1.0800e-003	0.0000	3.6405
Other Material Handling Equipment											0.0000	24.8713	24.8713	7.4300e-003	0.0000	25.0272
Pumps											0.0000	138.0724	138.0724	0.0148	0.0000	138.3836
Tractors/Loaders/Backhoes											0.0000	61.1776	61.1776	0.0183	0.0000	61.5611
Total											0.0000	228.6528	228.6528	0.0419	0.0000	229.5319

10.0 Vegetation

Mace Ranch Innovation Center - GHG - Existing Conditions

Yolo County, Mitigation Report

Construction Mitigation Summary

Phase	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												

OFFROAD Equipment Mitigation

Equipment Type	Fuel Type	Tier	Number Mitigated	Total Number of Equipment	DPF	Oxidation Catalyst
Rubber Tired Dozers	Diesel	No Change	0	3	No Change	0.00
Tractors/Loaders/Backhoes	Diesel	No Change	0	4	No Change	0.00

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Unmitigated tons/yr						Unmitigated mt/yr						

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Mitigated tons/yr						Mitigated mt/yr						

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												

Fugitive Dust Mitigation

CalEEMod Version: CalEEMod.2013.2.2

Page 2 of 6

Date: 3/13/2015 6:14 PM

Yes/No	Mitigation Measure	Mitigation Input	Mitigation Input	Mitigation Input
No	Soil Stabilizer for unpaved Roads	PM10 Reduction		PM2.5 Reduction
No	Replace Ground Cover of Area Disturbed	PM10 Reduction		PM2.5 Reduction
No	Water Exposed Area	PM10 Reduction		PM2.5 Reduction
No	Unpaved Road Mitigation	Moisture Content %		Vehicle Speed (mph)
No	Clean Paved Road	% PM Reduction	0.00	

Phase	Source	Unmitigated		Mitigated		Percent Reduction	
		PM10	PM2.5	PM10	PM2.5	PM10	PM2.5

Operational Percent Reduction Summary

Category	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Architectural Coating	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Consumer Products	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Electricity	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.38	8.38	8.30	8.21	8.38
Hearth	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Landscaping	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mobile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.60	6.60	5.84	0.00	6.60
Natural Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	29.71	29.71	29.84	29.66	29.71
Water Indoor	0.00	0.00	0.00	0.00	0.00	0.00	30.00	34.79	34.01	30.01	30.10	32.72
Water Outdoor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Operational Mobile Mitigation

Project Setting: Low Density Suburban

Mitigation	Category	Measure	% Reduction	Input Value 1	Input Value 2	Input Value
No	Land Use	Increase Density	0.00	0.00	0.00	
No	Land Use	Increase Diversity	0.06	0.25		
No	Land Use	Improve Walkability Design	0.00	0.00		
No	Land Use	Improve Destination Accessibility	0.00	0.00		
Yes	Land Use	Increase Transit Accessibility	0.24	0.02		
No	Land Use	Integrate Below Market Rate Housing	0.00	0.00		
	Land Use	Land Use SubTotal	0.05			

Yes	Neighborhood Enhancements	Improve Pedestrian Network	2.00	Project Site and Connecting Off-Site	
No	Neighborhood Enhancements	Provide Traffic Calming Measures			
No	Neighborhood Enhancements	Implement NEV Network	0.01		
	Neighborhood Enhancements	Neighborhood Enhancements Subtotal	0.02		
No	Parking Policy Pricing	Limit Parking Supply	0.00	0.00	
No	Parking Policy Pricing	Unbundle Parking Costs	0.00	0.00	
No	Parking Policy Pricing	On-street Market Pricing	0.00	0.00	
	Parking Policy Pricing	Parking Policy Pricing Subtotal	0.00		
No	Transit Improvements	Provide BRT System	0.00	0.00	
No	Transit Improvements	Expand Transit Network	0.00	0.00	
No	Transit Improvements	Increase Transit Frequency	0.00		0.00
	Transit Improvements	Transit Improvements Subtotal	0.00		
		Land Use and Site Enhancement Subtotal	0.07		
No	Commute	Implement Trip Reduction Program			
No	Commute	Transit Subsidy			
No	Commute	Implement Employee Parking "Cash Out"	3.00		
No	Commute	Workplace Parking Charge		0.00	
No	Commute	Encourage Telecommuting and Alternative Work Schedules	0.00		
No	Commute	Market Commute Trip Reduction Option	0.00		
No	Commute	Employee Vanpool/Shuttle	0.00		2.00
No	Commute	Provide Ride Sharing Program	5.00		
	Commute	Commute Subtotal	0.00		

No	School Trip	Implement School Bus Program	0.00		
		Total VMT Reduction	0.07		

Area Mitigation

Measure Implemented	Mitigation Measure	Input Value
No	Only Natural Gas Hearth	
No	No Hearth	
Yes	Use Low VOC Cleaning Supplies	
No	Use Low VOC Paint (Residential Interior)	100.00
No	Use Low VOC Paint (Residential Exterior)	100.00
No	Use Low VOC Paint (Non-residential Interior)	150.00
No	Use Low VOC Paint (Non-residential Exterior)	150.00
No	% Electric Lawnmower	0.00
No	% Electric Leafblower	0.00
No	% Electric Chainsaw	0.00

Energy Mitigation Measures

Measure Implemented	Mitigation Measure	Input Value 1	Input Value 2
Yes	Exceed Title 24	30.00	
No	Install High Efficiency Lighting	0.00	
No	On-site Renewable	0.00	0.00

Appliance Type	Land Use Subtype	% Improvement
ClothWasher		30.00

DishWasher	15.00
Fan	50.00
Refrigerator	15.00

Water Mitigation Measures

Measure Implemented	Mitigation Measure	Input Value 1	Input Value 2
Yes	Apply Water Conservation on Strategy	30.00	0.00
No	Use Reclaimed Water	0.00	0.00
No	Use Grey Water	0.00	
No	Install low-flow bathroom faucet	32.00	
No	Install low-flow Kitchen faucet	18.00	
No	Install low-flow Toilet	20.00	
No	Install low-flow Shower	20.00	
No	Turf Reduction	0.00	
No	Use Water Efficient Irrigation Systems	6.10	
No	Water Efficient Landscape	0.00	0.00

Solid Waste Mitigation

Mitigation Measures	Input Value
Institute Recycling and Composting Services Percent Reduction in Waste Disposed	

Mace Ranch Innovation Center - GHG - Operational Year (2035)
Yolo County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Research & Development	1,510.00	1000sqft	34.66	1,510,000.00	0
Research & Development	45.90	1000sqft	1.05	45,901.00	0
Manufacturing	884.00	1000sqft	20.29	884,000.00	0
Hotel	150.00	Room	5.00	217,800.00	0
Regional Shopping Center	100.00	1000sqft	2.30	100,000.00	0
Regional Shopping Center	25.16	1000sqft	0.58	25,155.00	0

1.2 Other Project Characteristics

Urbanization	Rural	Wind Speed (m/s)	6.8	Precipitation Freq (Days)	54
Climate Zone	2			Operational Year	2035
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	429.7	CH4 Intensity (lb/MWhr)	0.019	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - intensity factors modified for anticipated PG&E RPS by 2035

Land Use -

Construction Phase - *

On-road Fugitive Dust - all roadways would be paved

Grading - total project site (plus 2 commercial parcels of Mace Triangle) = 224.42 acres

Vehicle Trips - based on VMT data from traffic consultant

Road Dust - all project roadways would be paved

Mobile Land Use Mitigation -

Area Mitigation -

Energy Mitigation -

Water Mitigation - project required to comply with Tier 1 CALGreen Code standards

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	75.00	3,860.00
tblConstructionPhase	NumDays	1,110.00	3,860.00
tblConstructionPhase	NumDays	110.00	395.00
tblConstructionPhase	NumDays	75.00	280.00
tblConstructionPhase	NumDays	40.00	150.00
tblConstructionPhase	PhaseEndDate	4/1/2050	6/29/2035
tblConstructionPhase	PhaseStartDate	6/16/2035	9/12/2020
tblGrading	AcresOfGrading	987.50	224.42
tblLandUse	LandUseSquareFeet	45,900.00	45,901.00
tblLandUse	LandUseSquareFeet	25,160.00	25,155.00
tblOnRoadDust	HaulingPercentPave	94.00	100.00
tblOnRoadDust	HaulingPercentPave	94.00	100.00
tblOnRoadDust	HaulingPercentPave	94.00	100.00
tblOnRoadDust	HaulingPercentPave	94.00	100.00
tblOnRoadDust	HaulingPercentPave	94.00	100.00

tblOnRoadDust	VendorPercentPave	94.00	100.00
tblOnRoadDust	VendorPercentPave	94.00	100.00
tblOnRoadDust	VendorPercentPave	94.00	100.00
tblOnRoadDust	VendorPercentPave	94.00	100.00
tblOnRoadDust	VendorPercentPave	94.00	100.00
tblOnRoadDust	WorkerPercentPave	94.00	100.00
tblOnRoadDust	WorkerPercentPave	94.00	100.00
tblOnRoadDust	WorkerPercentPave	94.00	100.00
tblOnRoadDust	WorkerPercentPave	94.00	100.00
tblOnRoadDust	WorkerPercentPave	94.00	100.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.019
tblProjectCharacteristics	CO2IntensityFactor	641.35	429.7
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.004
tblProjectCharacteristics	OperationalYear	2014	2035
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblRoadDust	RoadPercentPave	94	100
tblVehicleTrips	CC_TL	6.60	6.43
tblVehicleTrips	CC_TL	6.60	6.43
tblVehicleTrips	CC_TL	6.60	6.43
tblVehicleTrips	CC_TL	6.60	6.43
tblVehicleTrips	CNW_TL	6.60	6.43
tblVehicleTrips	CNW_TL	6.60	6.43
tblVehicleTrips	CNW_TL	6.60	6.43
tblVehicleTrips	CNW_TL	6.60	6.43
tblVehicleTrips	CW_TL	14.70	14.93
tblVehicleTrips	CW_TL	14.70	14.93
tblVehicleTrips	CW_TL	14.70	14.93
tblVehicleTrips	CW_TL	14.70	14.93

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					
2017											0.0000	248.2873	248.2873	0.0729	0.0000	249.8185
2018											0.0000	740.9738	740.9738	0.2238	0.0000	745.6726
2019											0.0000	556.7603	556.7603	0.1700	0.0000	560.3301
2020											0.0000	1,154.5131	1,154.5131	0.1051	0.0000	1,156.7202
2021											0.0000	2,857.8109	2,857.8109	0.1432	0.0000	2,860.8177
2022											0.0000	2,824.0424	2,824.0424	0.1396	0.0000	2,826.9740
2023											0.0000	2,802.6943	2,802.6943	0.1363	0.0000	2,805.5557
2024											0.0000	2,806.8051	2,806.8051	0.1349	0.0000	2,809.6375
2025											0.0000	2,780.7965	2,780.7965	0.1323	0.0000	2,783.5748
2026											0.0000	2,767.5858	2,767.5858	0.1309	0.0000	2,770.3354
2027											0.0000	2,756.1500	2,756.1500	0.1297	0.0000	2,758.8740
2028											0.0000	2,735.7700	2,735.7700	0.1281	0.0000	2,738.4604
2029											0.0000	2,737.8151	2,737.8151	0.1275	0.0000	2,740.4934

	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					
2030											0.0000	2,770.722 3	2,770.722 3	0.0691	0.0000	2,772.173 2
2031											0.0000	2,764.803 4	2,764.803 4	0.0682	0.0000	2,766.235 7
2032											0.0000	2,770.480 5	2,770.480 5	0.0677	0.0000	2,771.901 8
2033											0.0000	2,745.290 3	2,745.290 3	0.0665	0.0000	2,746.687 0
2034											0.0000	2,741.889 1	2,741.889 1	0.0659	0.0000	2,743.272 7
2035											0.0000	1,273.629 9	1,273.629 9	0.0300	0.0000	1,274.259 3
Total											0.0000	42,836.82 01	42,836.82 01	2.1416	0.0000	42,881.79 38

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					
2017											0.0000	248.2871	248.2871	0.0729	0.0000	249.8182
2018											0.0000	740.9729	740.9729	0.2238	0.0000	745.6718
2019											0.0000	556.7597	556.7597	0.1700	0.0000	560.3294
2020											0.0000	1,154.512 7	1,154.512 7	0.1051	0.0000	1,156.719 9
2021											0.0000	2,857.810 5	2,857.810 5	0.1432	0.0000	2,860.817 3
2022											0.0000	2,824.042 0	2,824.042 0	0.1396	0.0000	2,826.973 6

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area											0.0000	0.0485	0.0485	1.2000e-004	0.0000	0.0511
Energy											0.0000	7,997.3269	7,997.3269	0.2794	0.1012	8,034.5595
Mobile											0.0000	19,260.6179	19,260.6179	0.4394	0.0000	19,269.8452
Waste											289.8610	0.0000	289.8610	17.1303	0.0000	649.5971
Water											311.7107	1,040.3880	1,352.0987	32.0617	0.7656	2,262.7436
Total											601.5716	28,298.3814	28,899.9530	49.9109	0.8668	30,216.7965

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area											0.0000	0.0485	0.0485	1.2000e-004	0.0000	0.0511
Energy											0.0000	4,418.9545	4,418.9545	0.1434	0.0599	4,440.5286
Mobile											0.0000	19,260.6179	19,260.6179	0.4394	0.0000	19,269.8452
Waste											289.8610	0.0000	289.8610	17.1303	0.0000	649.5971
Water											218.1975	668.9379	887.1354	22.4406	0.5354	1,524.3605
Total											508.0584	24,348.5589	24,856.6173	40.1537	0.5953	25,884.3825

	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	15.54	13.96	13.99	19.55	31.33	14.34

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	7/3/2017	1/26/2018	5	150	
2	Grading	Grading	1/27/2018	8/2/2019	5	395	
3	Paving	Paving	8/3/2019	8/28/2020	5	280	
4	Building Construction	Building Construction	8/29/2020	6/15/2035	5	3860	
5	Architectural Coating	Architectural Coating	9/12/2020	6/29/2035	5	3860	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 224.42

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 4,174,284; Non-Residential Outdoor: 1,391,428 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	162	0.38
Grading	Graders	1	8.00	174	0.41
Grading	Rubber Tired Dozers	1	8.00	255	0.40
Grading	Scrapers	2	8.00	361	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Pavers	2	8.00	125	0.42
Paving	Paving Equipment	2	8.00	130	0.36
Paving	Rollers	2	8.00	80	0.38
Building Construction	Cranes	1	7.00	226	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
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	1,001.00	456.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	200.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Site Preparation - 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					
Fugitive Dust											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	236.0500	236.0500	0.0723	0.0000	237.5688
Total											0.0000	236.0500	236.0500	0.0723	0.0000	237.5688

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
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	12.2373	12.2373	5.9000e-004	0.0000	12.2497
Total											0.0000	12.2373	12.2373	5.9000e-004	0.0000	12.2497

3.2 Site Preparation - 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					
Fugitive Dust											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	236.0497	236.0497	0.0723	0.0000	237.5686
Total											0.0000	236.0497	236.0497	0.0723	0.0000	237.5686

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
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	12.2373	12.2373	5.9000e-004	0.0000	12.2497
Total											0.0000	12.2373	12.2373	5.9000e-004	0.0000	12.2497

3.2 Site Preparation - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	35.7410	35.7410	0.0111	0.0000	35.9747
Total											0.0000	35.7410	35.7410	0.0111	0.0000	35.9747

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
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	1.8122	1.8122	8.0000e-005	0.0000	1.8139
Total											0.0000	1.8122	1.8122	8.0000e-005	0.0000	1.8139

3.2 Site Preparation - 2018

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
Off-Road											0.0000	35.7410	35.7410	0.0111	0.0000	35.9746
Total											0.0000	35.7410	35.7410	0.0111	0.0000	35.9746

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
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	1.8122	1.8122	8.0000e-005	0.0000	1.8139
Total											0.0000	1.8122	1.8122	8.0000e-005	0.0000	1.8139

3.3 Grading - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	679.1574	679.1574	0.2114	0.0000	683.5975
Total											0.0000	679.1574	679.1574	0.2114	0.0000	683.5975

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
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	24.2632	24.2632	1.1100e-003	0.0000	24.2865
Total											0.0000	24.2632	24.2632	1.1100e-003	0.0000	24.2865

3.3 Grading - 2018

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
Off-Road											0.0000	679.1566	679.1566	0.2114	0.0000	683.5967
Total											0.0000	679.1566	679.1566	0.2114	0.0000	683.5967

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
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	24.2632	24.2632	1.1100e-003	0.0000	24.2865
Total											0.0000	24.2632	24.2632	1.1100e-003	0.0000	24.2865

3.3 Grading - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	426.8949	426.8949	0.1351	0.0000	429.7312
Total											0.0000	426.8949	426.8949	0.1351	0.0000	429.7312

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
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	14.8934	14.8934	6.6000e-004	0.0000	14.9072
Total											0.0000	14.8934	14.8934	6.6000e-004	0.0000	14.9072

3.3 Grading - 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
Off-Road											0.0000	426.8944	426.8944	0.1351	0.0000	429.7307
Total											0.0000	426.8944	426.8944	0.1351	0.0000	429.7307

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
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	14.8934	14.8934	6.6000e-004	0.0000	14.9072
Total											0.0000	14.8934	14.8934	6.6000e-004	0.0000	14.9072

3.4 Paving - 2019

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											0.0000	107.2112	107.2112	0.0339	0.0000	107.9235
Paving											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total											0.0000	107.2112	107.2112	0.0339	0.0000	107.9235

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
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	7.7610	7.7610	3.4000e-004	0.0000	7.7682
Total											0.0000	7.7610	7.7610	3.4000e-004	0.0000	7.7682

3.4 Paving - 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					
Off-Road											0.0000	107.2110	107.2110	0.0339	0.0000	107.9234
Paving											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total											0.0000	107.2110	107.2110	0.0339	0.0000	107.9234

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
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	7.7610	7.7610	3.4000e-004	0.0000	7.7682
Total											0.0000	7.7610	7.7610	3.4000e-004	0.0000	7.7682

3.4 Paving - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road											0.0000	169.5578	169.5578	0.0548	0.0000	170.7094
Paving											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total											0.0000	169.5578	169.5578	0.0548	0.0000	170.7094

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
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	12.0504	12.0504	5.2000e-004	0.0000	12.0614
Total											0.0000	12.0504	12.0504	5.2000e-004	0.0000	12.0614

3.4 Paving - 2020

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											0.0000	169.5576	169.5576	0.0548	0.0000	170.7092
Paving											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total											0.0000	169.5576	169.5576	0.0548	0.0000	170.7092

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
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	12.0504	12.0504	5.2000e-004	0.0000	12.0614
Total											0.0000	12.0504	12.0504	5.2000e-004	0.0000	12.0614

3.5 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road											0.0000	102.6392	102.6392	0.0250	0.0000	103.1643
Total											0.0000	102.6392	102.6392	0.0250	0.0000	103.1643

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
Vendor											0.0000	373.1072	373.1072	2.8000e-003	0.0000	373.1659
Worker											0.0000	413.7027	413.7027	0.0180	0.0000	414.0800
Total											0.0000	786.8098	786.8098	0.0208	0.0000	787.2459

3.5 Building Construction - 2020

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											0.0000	102.6391	102.6391	0.0250	0.0000	103.1642
Total											0.0000	102.6391	102.6391	0.0250	0.0000	103.1642

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
Vendor											0.0000	373.1072	373.1072	2.8000e-003	0.0000	373.1659
Worker											0.0000	413.7027	413.7027	0.0180	0.0000	414.0800
Total											0.0000	786.8098	786.8098	0.0208	0.0000	787.2459

3.5 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road											0.0000	301.0339	301.0339	0.0725	0.0000	302.5568
Total											0.0000	301.0339	301.0339	0.0725	0.0000	302.5568

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
Vendor											0.0000	1,092.4269	1,092.4269	8.1200e-003	0.0000	1,092.5974
Worker											0.0000	1,192.7238	1,192.7238	0.0502	0.0000	1,193.7783
Total											0.0000	2,285.1507	2,285.1507	0.0583	0.0000	2,286.3757

3.5 Building Construction - 2021

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											0.0000	301.0335	301.0335	0.0725	0.0000	302.5565
Total											0.0000	301.0335	301.0335	0.0725	0.0000	302.5565

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
Vendor											0.0000	1,092.4269	1,092.4269	8.1200e-003	0.0000	1,092.5974
Worker											0.0000	1,192.7238	1,192.7238	0.0502	0.0000	1,193.7783
Total											0.0000	2,285.1507	2,285.1507	0.0583	0.0000	2,286.3757

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											0.0000	299.9946	299.9946	0.0718	0.0000	301.5017
Total											0.0000	299.9946	299.9946	0.0718	0.0000	301.5017

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
Vendor											0.0000	1,087.4785	1,087.4785	8.2000e-003	0.0000	1,087.6508
Worker											0.0000	1,169.6756	1,169.6756	0.0479	0.0000	1,170.6814
Total											0.0000	2,257.1541	2,257.1541	0.0561	0.0000	2,258.3322

3.5 Building Construction - 2022

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											0.0000	299.9943	299.9943	0.0718	0.0000	301.5013
Total											0.0000	299.9943	299.9943	0.0718	0.0000	301.5013

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
Vendor											0.0000	1,087.4785	1,087.4785	8.2000e-003	0.0000	1,087.6508
Worker											0.0000	1,169.6756	1,169.6756	0.0479	0.0000	1,170.6814
Total											0.0000	2,257.1541	2,257.1541	0.0561	0.0000	2,258.3322

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											0.0000	300.0980	300.0980	0.0713	0.0000	301.5949
Total											0.0000	300.0980	300.0980	0.0713	0.0000	301.5949

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
Vendor											0.0000	1,086.0388	1,086.0388	7.7700e-003	0.0000	1,086.2019
Worker											0.0000	1,152.9963	1,152.9963	0.0460	0.0000	1,153.9628
Total											0.0000	2,239.0351	2,239.0351	0.0538	0.0000	2,240.1647

3.5 Building Construction - 2023

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											0.0000	300.0976	300.0976	0.0713	0.0000	301.5946
Total											0.0000	300.0976	300.0976	0.0713	0.0000	301.5946

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
Vendor											0.0000	1,086.0388	1,086.0388	7.7700e-003	0.0000	1,086.2019
Worker											0.0000	1,152.9963	1,152.9963	0.0460	0.0000	1,153.9628
Total											0.0000	2,239.0351	2,239.0351	0.0538	0.0000	2,240.1647

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											0.0000	302.4646	302.4646	0.0714	0.0000	303.9643
Total											0.0000	302.4646	302.4646	0.0714	0.0000	303.9643

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
Vendor											0.0000	1,094.7843	1,094.7843	7.8500e-003	0.0000	1,094.9492
Worker											0.0000	1,146.9482	1,146.9482	0.0448	0.0000	1,147.8885
Total											0.0000	2,241.7325	2,241.7325	0.0526	0.0000	2,242.8377

3.5 Building Construction - 2024

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											0.0000	302.4642	302.4642	0.0714	0.0000	303.9639
Total											0.0000	302.4642	302.4642	0.0714	0.0000	303.9639

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
Vendor											0.0000	1,094.7843	1,094.7843	7.8500e-003	0.0000	1,094.9492
Worker											0.0000	1,146.9482	1,146.9482	0.0448	0.0000	1,147.8885
Total											0.0000	2,241.7325	2,241.7325	0.0526	0.0000	2,242.8377

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											0.0000	301.4019	301.4019	0.0707	0.0000	302.8874
Total											0.0000	301.4019	301.4019	0.0707	0.0000	302.8874

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
Vendor											0.0000	1,090.8825	1,090.8825	7.8400e-003	0.0000	1,091.0472
Worker											0.0000	1,129.5149	1,129.5149	0.0433	0.0000	1,130.4232
Total											0.0000	2,220.3974	2,220.3974	0.0511	0.0000	2,221.4705

3.5 Building Construction - 2025

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											0.0000	301.4015	301.4015	0.0707	0.0000	302.8871
Total											0.0000	301.4015	301.4015	0.0707	0.0000	302.8871

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
Vendor											0.0000	1,090.8825	1,090.8825	7.8400e-003	0.0000	1,091.0472
Worker											0.0000	1,129.5149	1,129.5149	0.0433	0.0000	1,130.4232
Total											0.0000	2,220.3974	2,220.3974	0.0511	0.0000	2,221.4705

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											0.0000	301.4019	301.4019	0.0707	0.0000	302.8874
Total											0.0000	301.4019	301.4019	0.0707	0.0000	302.8874

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
Vendor											0.0000	1,091.1594	1,091.1594	7.8500e-003	0.0000	1,091.3242
Worker											0.0000	1,118.2734	1,118.2734	0.0421	0.0000	1,119.1577
Total											0.0000	2,209.4327	2,209.4327	0.0500	0.0000	2,210.4819

3.5 Building Construction - 2026

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											0.0000	301.4015	301.4015	0.0707	0.0000	302.8871
Total											0.0000	301.4015	301.4015	0.0707	0.0000	302.8871

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
Vendor											0.0000	1,091.1594	1,091.1594	7.8500e-003	0.0000	1,091.3242
Worker											0.0000	1,118.2734	1,118.2734	0.0421	0.0000	1,119.1577
Total											0.0000	2,209.4327	2,209.4327	0.0500	0.0000	2,210.4819

3.5 Building Construction - 2027

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											0.0000	301.4019	301.4019	0.0707	0.0000	302.8874
Total											0.0000	301.4019	301.4019	0.0707	0.0000	302.8874

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
Vendor											0.0000	1,091.4582	1,091.4582	7.8600e-003	0.0000	1,091.6234
Worker											0.0000	1,108.4928	1,108.4928	0.0411	0.0000	1,109.3556
Total											0.0000	2,199.9510	2,199.9510	0.0489	0.0000	2,200.9789

3.5 Building Construction - 2027

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											0.0000	301.4015	301.4015	0.0707	0.0000	302.8871
Total											0.0000	301.4015	301.4015	0.0707	0.0000	302.8871

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
Vendor											0.0000	1,091.4582	1,091.4582	7.8600e-003	0.0000	1,091.6234
Worker											0.0000	1,108.4928	1,108.4928	0.0411	0.0000	1,109.3556
Total											0.0000	2,199.9510	2,199.9510	0.0489	0.0000	2,200.9789

3.5 Building Construction - 2028

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											0.0000	300.2471	300.2471	0.0705	0.0000	301.7269
Total											0.0000	300.2471	300.2471	0.0705	0.0000	301.7269

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
Vendor											0.0000	1,087.5224	1,087.5224	7.8400e-003	0.0000	1,087.6870
Worker											0.0000	1,095.8560	1,095.8560	0.0400	0.0000	1,096.6960
Total											0.0000	2,183.3783	2,183.3783	0.0478	0.0000	2,184.3830

3.5 Building Construction - 2028

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											0.0000	300.2467	300.2467	0.0705	0.0000	301.7266
Total											0.0000	300.2467	300.2467	0.0705	0.0000	301.7266

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
Vendor											0.0000	1,087.5224	1,087.5224	7.8400e-003	0.0000	1,087.6870
Worker											0.0000	1,095.8560	1,095.8560	0.0400	0.0000	1,096.6960
Total											0.0000	2,183.3783	2,183.3783	0.0478	0.0000	2,184.3830

3.5 Building Construction - 2029

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											0.0000	301.4019	301.4019	0.0707	0.0000	302.8874
Total											0.0000	301.4019	301.4019	0.0707	0.0000	302.8874

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
Vendor											0.0000	1,091.9140	1,091.9140	7.8800e-003	0.0000	1,092.0794
Worker											0.0000	1,092.8313	1,092.8313	0.0393	0.0000	1,093.6558
Total											0.0000	2,184.7453	2,184.7453	0.0471	0.0000	2,185.7352

3.5 Building Construction - 2029

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											0.0000	301.4015	301.4015	0.0707	0.0000	302.8871
Total											0.0000	301.4015	301.4015	0.0707	0.0000	302.8871

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
Vendor											0.0000	1,091.9140	1,091.9140	7.8800e-003	0.0000	1,092.0794
Worker											0.0000	1,092.8313	1,092.8313	0.0393	0.0000	1,093.6558
Total											0.0000	2,184.7453	2,184.7453	0.0471	0.0000	2,185.7352

3.5 Building Construction - 2030

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											0.0000	341.5281	341.5281	0.0137	0.0000	341.8160
Total											0.0000	341.5281	341.5281	0.0137	0.0000	341.8160

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
Vendor											0.0000	1,092.0285	1,092.0285	7.8800e-003	0.0000	1,092.1940
Worker											0.0000	1,086.7190	1,086.7190	0.0385	0.0000	1,087.5268
Total											0.0000	2,178.7476	2,178.7476	0.0464	0.0000	2,179.7208

3.5 Building Construction - 2030

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											0.0000	341.5277	341.5277	0.0137	0.0000	341.8156
Total											0.0000	341.5277	341.5277	0.0137	0.0000	341.8156

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
Vendor											0.0000	1,092.0285	1,092.0285	7.8800e-003	0.0000	1,092.1940
Worker											0.0000	1,086.7190	1,086.7190	0.0385	0.0000	1,087.5268
Total											0.0000	2,178.7476	2,178.7476	0.0464	0.0000	2,179.7208

3.5 Building Construction - 2031

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											0.0000	341.5281	341.5281	0.0137	0.0000	341.8160
Total											0.0000	341.5281	341.5281	0.0137	0.0000	341.8160

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
Vendor											0.0000	1,092.2810	1,092.2810	7.8900e-003	0.0000	1,092.4466
Worker											0.0000	1,081.5753	1,081.5753	0.0377	0.0000	1,082.3675
Total											0.0000	2,173.8563	2,173.8563	0.0456	0.0000	2,174.8142

3.5 Building Construction - 2031

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											0.0000	341.5277	341.5277	0.0137	0.0000	341.8156
Total											0.0000	341.5277	341.5277	0.0137	0.0000	341.8156

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
Vendor											0.0000	1,092.2810	1,092.2810	7.8900e-003	0.0000	1,092.4466
Worker											0.0000	1,081.5753	1,081.5753	0.0377	0.0000	1,082.3675
Total											0.0000	2,173.8563	2,173.8563	0.0456	0.0000	2,174.8142

3.5 Building Construction - 2032

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											0.0000	342.8367	342.8367	0.0138	0.0000	343.1257
Total											0.0000	342.8367	342.8367	0.0138	0.0000	343.1257

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
Vendor											0.0000	1,096.7327	1,096.7327	7.9200e-003	0.0000	1,096.8991
Worker											0.0000	1,081.3996	1,081.3996	0.0372	0.0000	1,082.1810
Total											0.0000	2,178.1323	2,178.1323	0.0451	0.0000	2,179.0801

3.5 Building Construction - 2032

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											0.0000	342.8363	342.8363	0.0138	0.0000	343.1252
Total											0.0000	342.8363	342.8363	0.0138	0.0000	343.1252

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
Vendor											0.0000	1,096.7327	1,096.7327	7.9200e-003	0.0000	1,096.8991
Worker											0.0000	1,081.3996	1,081.3996	0.0372	0.0000	1,082.1810
Total											0.0000	2,178.1323	2,178.1323	0.0451	0.0000	2,179.0801

3.5 Building Construction - 2033

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											0.0000	340.2196	340.2196	0.0137	0.0000	340.5064
Total											0.0000	340.2196	340.2196	0.0137	0.0000	340.5064

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
Vendor											0.0000	1,088.5794	1,088.5794	7.8700e-003	0.0000	1,088.7446
Worker											0.0000	1,069.5939	1,069.5939	0.0364	0.0000	1,070.3578
Total											0.0000	2,158.1734	2,158.1734	0.0442	0.0000	2,159.1024

3.5 Building Construction - 2033

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											0.0000	340.2192	340.2192	0.0137	0.0000	340.5060
Total											0.0000	340.2192	340.2192	0.0137	0.0000	340.5060

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
Vendor											0.0000	1,088.5794	1,088.5794	7.8700e-003	0.0000	1,088.7446
Worker											0.0000	1,069.5939	1,069.5939	0.0364	0.0000	1,070.3578
Total											0.0000	2,158.1734	2,158.1734	0.0442	0.0000	2,159.1024

3.5 Building Construction - 2034

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											0.0000	340.2196	340.2196	0.0137	0.0000	340.5064
Total											0.0000	340.2196	340.2196	0.0137	0.0000	340.5064

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
Vendor											0.0000	1,088.7788	1,088.7788	7.8700e-003	0.0000	1,088.9440
Worker											0.0000	1,066.5929	1,066.5929	0.0359	0.0000	1,067.3459
Total											0.0000	2,155.3717	2,155.3717	0.0437	0.0000	2,156.2899

3.5 Building Construction - 2034

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											0.0000	340.2192	340.2192	0.0137	0.0000	340.5060
Total											0.0000	340.2192	340.2192	0.0137	0.0000	340.5060

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
Vendor											0.0000	1,088.7788	1,088.7788	7.8700e-003	0.0000	1,088.9440
Worker											0.0000	1,066.5929	1,066.5929	0.0359	0.0000	1,067.3459
Total											0.0000	2,155.3717	2,155.3717	0.0437	0.0000	2,156.2899

3.5 Building Construction - 2035

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											0.0000	157.0244	157.0244	5.8500e-003	0.0000	157.1473
Total											0.0000	157.0244	157.0244	5.8500e-003	0.0000	157.1473

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
Vendor											0.0000	502.5800	502.5800	3.6300e-003	0.0000	502.6562
Worker											0.0000	491.1252	491.1252	0.0163	0.0000	491.4683
Total											0.0000	993.7052	993.7052	0.0200	0.0000	994.1246

3.5 Building Construction - 2035

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											0.0000	157.0242	157.0242	5.8500e-003	0.0000	157.1471
Total											0.0000	157.0242	157.0242	5.8500e-003	0.0000	157.1471

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
Vendor											0.0000	502.5800	502.5800	3.6300e-003	0.0000	502.6562
Worker											0.0000	491.1252	491.1252	0.0163	0.0000	491.4683
Total											0.0000	993.7052	993.7052	0.0200	0.0000	994.1246

3.6 Architectural Coating - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	10.0854	10.0854	7.8000e-004	0.0000	10.1018
Total											0.0000	10.0854	10.0854	7.8000e-004	0.0000	10.1018

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
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	73.3705	73.3705	3.1900e-003	0.0000	73.4374
Total											0.0000	73.3705	73.3705	3.1900e-003	0.0000	73.4374

3.6 Architectural Coating - 2020

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											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	10.0853	10.0853	7.8000e-004	0.0000	10.1017
Total											0.0000	10.0853	10.0853	7.8000e-004	0.0000	10.1017

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
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	73.3705	73.3705	3.1900e-003	0.0000	73.4374
Total											0.0000	73.3705	73.3705	3.1900e-003	0.0000	73.4374

3.6 Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.3200	33.3200	2.2900e-003	0.0000	33.3680
Total											0.0000	33.3200	33.3200	2.2900e-003	0.0000	33.3680

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
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	238.3065	238.3065	0.0100	0.0000	238.5171
Total											0.0000	238.3065	238.3065	0.0100	0.0000	238.5171

3.6 Architectural Coating - 2021

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											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.3199	33.3199	2.2900e-003	0.0000	33.3679
Total											0.0000	33.3199	33.3199	2.2900e-003	0.0000	33.3679

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
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	238.3065	238.3065	0.0100	0.0000	238.5171
Total											0.0000	238.3065	238.3065	0.0100	0.0000	238.5171

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											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.1923	33.1923	2.1600e-003	0.0000	33.2377
Total											0.0000	33.1923	33.1923	2.1600e-003	0.0000	33.2377

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
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	233.7014	233.7014	9.5700e-003	0.0000	233.9024
Total											0.0000	233.7014	233.7014	9.5700e-003	0.0000	233.9024

3.6 Architectural Coating - 2022

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											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.1923	33.1923	2.1600e-003	0.0000	33.2376
Total											0.0000	33.1923	33.1923	2.1600e-003	0.0000	33.2376

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
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	233.7014	233.7014	9.5700e-003	0.0000	233.9024
Total											0.0000	233.7014	233.7014	9.5700e-003	0.0000	233.9024

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											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.1923	33.1923	1.9900e-003	0.0000	33.2340
Total											0.0000	33.1923	33.1923	1.9900e-003	0.0000	33.2340

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
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	230.3689	230.3689	9.2000e-003	0.0000	230.5620
Total											0.0000	230.3689	230.3689	9.2000e-003	0.0000	230.5620

3.6 Architectural Coating - 2023

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											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.1923	33.1923	1.9900e-003	0.0000	33.2340
Total											0.0000	33.1923	33.1923	1.9900e-003	0.0000	33.2340

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
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	230.3689	230.3689	9.2000e-003	0.0000	230.5620
Total											0.0000	230.3689	230.3689	9.2000e-003	0.0000	230.5620

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											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.4476	33.4476	1.8800e-003	0.0000	33.4872
Total											0.0000	33.4476	33.4476	1.8800e-003	0.0000	33.4872

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
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	229.1605	229.1605	8.9500e-003	0.0000	229.3483
Total											0.0000	229.1605	229.1605	8.9500e-003	0.0000	229.3483

3.6 Architectural Coating - 2024

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											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.4476	33.4476	1.8800e-003	0.0000	33.4871
Total											0.0000	33.4476	33.4476	1.8800e-003	0.0000	33.4871

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
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	229.1605	229.1605	8.9500e-003	0.0000	229.3483
Total											0.0000	229.1605	229.1605	8.9500e-003	0.0000	229.3483

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											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.3200	33.3200	1.8200e-003	0.0000	33.3581
Total											0.0000	33.3200	33.3200	1.8200e-003	0.0000	33.3581

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
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	225.6773	225.6773	8.6400e-003	0.0000	225.8588
Total											0.0000	225.6773	225.6773	8.6400e-003	0.0000	225.8588

3.6 Architectural Coating - 2025

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											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.3199	33.3199	1.8200e-003	0.0000	33.3581
Total											0.0000	33.3199	33.3199	1.8200e-003	0.0000	33.3581

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
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	225.6773	225.6773	8.6400e-003	0.0000	225.8588
Total											0.0000	225.6773	225.6773	8.6400e-003	0.0000	225.8588

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											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.3200	33.3200	1.8200e-003	0.0000	33.3581
Total											0.0000	33.3200	33.3200	1.8200e-003	0.0000	33.3581

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
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	223.4312	223.4312	8.4100e-003	0.0000	223.6079
Total											0.0000	223.4312	223.4312	8.4100e-003	0.0000	223.6079

3.6 Architectural Coating - 2026

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											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.3199	33.3199	1.8200e-003	0.0000	33.3581
Total											0.0000	33.3199	33.3199	1.8200e-003	0.0000	33.3581

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
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	223.4312	223.4312	8.4100e-003	0.0000	223.6079
Total											0.0000	223.4312	223.4312	8.4100e-003	0.0000	223.6079

3.6 Architectural Coating - 2027

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											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.3200	33.3200	1.8200e-003	0.0000	33.3581
Total											0.0000	33.3200	33.3200	1.8200e-003	0.0000	33.3581

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
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	221.4771	221.4771	8.2100e-003	0.0000	221.6495
Total											0.0000	221.4771	221.4771	8.2100e-003	0.0000	221.6495

3.6 Architectural Coating - 2027

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											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.3199	33.3199	1.8200e-003	0.0000	33.3581
Total											0.0000	33.3199	33.3199	1.8200e-003	0.0000	33.3581

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
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	221.4771	221.4771	8.2100e-003	0.0000	221.6495
Total											0.0000	221.4771	221.4771	8.2100e-003	0.0000	221.6495

3.6 Architectural Coating - 2028

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											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.1923	33.1923	1.8100e-003	0.0000	33.2303
Total											0.0000	33.1923	33.1923	1.8100e-003	0.0000	33.2303

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
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	218.9522	218.9522	7.9900e-003	0.0000	219.1201
Total											0.0000	218.9522	218.9522	7.9900e-003	0.0000	219.1201

3.6 Architectural Coating - 2028

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											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.1923	33.1923	1.8100e-003	0.0000	33.2303
Total											0.0000	33.1923	33.1923	1.8100e-003	0.0000	33.2303

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
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	218.9522	218.9522	7.9900e-003	0.0000	219.1201
Total											0.0000	218.9522	218.9522	7.9900e-003	0.0000	219.1201

3.6 Architectural Coating - 2029

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											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.3200	33.3200	1.8200e-003	0.0000	33.3581
Total											0.0000	33.3200	33.3200	1.8200e-003	0.0000	33.3581

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
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	218.3479	218.3479	7.8400e-003	0.0000	218.5127
Total											0.0000	218.3479	218.3479	7.8400e-003	0.0000	218.5127

3.6 Architectural Coating - 2029

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											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.3199	33.3199	1.8200e-003	0.0000	33.3581
Total											0.0000	33.3199	33.3199	1.8200e-003	0.0000	33.3581

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
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	218.3479	218.3479	7.8400e-003	0.0000	218.5127
Total											0.0000	218.3479	218.3479	7.8400e-003	0.0000	218.5127

3.6 Architectural Coating - 2030

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											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.3200	33.3200	1.3500e-003	0.0000	33.3483
Total											0.0000	33.3200	33.3200	1.3500e-003	0.0000	33.3483

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
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	217.1267	217.1267	7.6900e-003	0.0000	217.2881
Total											0.0000	217.1267	217.1267	7.6900e-003	0.0000	217.2881

3.6 Architectural Coating - 2030

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											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.3199	33.3199	1.3500e-003	0.0000	33.3482
Total											0.0000	33.3199	33.3199	1.3500e-003	0.0000	33.3482

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
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	217.1267	217.1267	7.6900e-003	0.0000	217.2881
Total											0.0000	217.1267	217.1267	7.6900e-003	0.0000	217.2881

3.6 Architectural Coating - 2031

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											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.3200	33.3200	1.3500e-003	0.0000	33.3483
Total											0.0000	33.3200	33.3200	1.3500e-003	0.0000	33.3483

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
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	216.0990	216.0990	7.5400e-003	0.0000	216.2573
Total											0.0000	216.0990	216.0990	7.5400e-003	0.0000	216.2573

3.6 Architectural Coating - 2031

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											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.3199	33.3199	1.3500e-003	0.0000	33.3482
Total											0.0000	33.3199	33.3199	1.3500e-003	0.0000	33.3482

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
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	216.0990	216.0990	7.5400e-003	0.0000	216.2573
Total											0.0000	216.0990	216.0990	7.5400e-003	0.0000	216.2573

3.6 Architectural Coating - 2032

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											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.4476	33.4476	1.3500e-003	0.0000	33.4761
Total											0.0000	33.4476	33.4476	1.3500e-003	0.0000	33.4761

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
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	216.0639	216.0639	7.4300e-003	0.0000	216.2200
Total											0.0000	216.0639	216.0639	7.4300e-003	0.0000	216.2200

3.6 Architectural Coating - 2032

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											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.4476	33.4476	1.3500e-003	0.0000	33.4760
Total											0.0000	33.4476	33.4476	1.3500e-003	0.0000	33.4760

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
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	216.0639	216.0639	7.4300e-003	0.0000	216.2200
Total											0.0000	216.0639	216.0639	7.4300e-003	0.0000	216.2200

3.6 Architectural Coating - 2033

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											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.1923	33.1923	1.3400e-003	0.0000	33.2205
Total											0.0000	33.1923	33.1923	1.3400e-003	0.0000	33.2205

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
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	213.7051	213.7051	7.2700e-003	0.0000	213.8577
Total											0.0000	213.7051	213.7051	7.2700e-003	0.0000	213.8577

3.6 Architectural Coating - 2033

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											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.1923	33.1923	1.3400e-003	0.0000	33.2205
Total											0.0000	33.1923	33.1923	1.3400e-003	0.0000	33.2205

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
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	213.7051	213.7051	7.2700e-003	0.0000	213.8577
Total											0.0000	213.7051	213.7051	7.2700e-003	0.0000	213.8577

3.6 Architectural Coating - 2034

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											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.1923	33.1923	1.3400e-003	0.0000	33.2205
Total											0.0000	33.1923	33.1923	1.3400e-003	0.0000	33.2205

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
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	213.1055	213.1055	7.1600e-003	0.0000	213.2559
Total											0.0000	213.1055	213.1055	7.1600e-003	0.0000	213.2559

3.6 Architectural Coating - 2034

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											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.1923	33.1923	1.3400e-003	0.0000	33.2205
Total											0.0000	33.1923	33.1923	1.3400e-003	0.0000	33.2205

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
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	213.1055	213.1055	7.1600e-003	0.0000	213.2559
Total											0.0000	213.1055	213.1055	7.1600e-003	0.0000	213.2559

3.6 Architectural Coating - 2035

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											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	16.5962	16.5962	6.1000e-004	0.0000	16.6090
Total											0.0000	16.5962	16.5962	6.1000e-004	0.0000	16.6090

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
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	106.3042	106.3042	3.5400e-003	0.0000	106.3784
Total											0.0000	106.3042	106.3042	3.5400e-003	0.0000	106.3784

3.6 Architectural Coating - 2035

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											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	16.5961	16.5961	6.1000e-004	0.0000	16.6090
Total											0.0000	16.5961	16.5961	6.1000e-004	0.0000	16.6090

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
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	106.3042	106.3042	3.5400e-003	0.0000	106.3784
Total											0.0000	106.3042	106.3042	3.5400e-003	0.0000	106.3784

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											0.0000	19,260.6179	19,260.6179	0.4394	0.0000	19,269.8452
Unmitigated											0.0000	19,260.6179	19,260.6179	0.4394	0.0000	19,269.8452

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Hotel	1,225.50	1,228.50	892.50	2,340,767	2,340,767
Manufacturing	3,376.88	1,317.16	548.08	10,408,376	10,408,376
Regional Shopping Center	4,294.00	4,997.00	2524.00	7,409,861	7,409,861
Regional Shopping Center	1,080.37	1,257.25	635.04	1,864,321	1,864,321
Research & Development	12,246.10	2,869.00	1676.10	27,095,907	27,095,907
Research & Development	372.25	87.21	50.95	823,644	823,644
Total	22,595.10	11,756.12	6,326.67	49,942,875	49,942,875

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
Hotel	14.93	6.43	6.43	19.40	61.60	19.00	58	38	4
Manufacturing	14.93	6.43	6.43	59.00	28.00	13.00	92	5	3
Regional Shopping Center	14.93	6.43	6.43	16.30	64.70	19.00	54	35	11
Regional Shopping Center	14.93	6.43	6.43	16.30	64.70	19.00	54	35	11
Research & Development	14.93	6.43	6.43	33.00	48.00	19.00	82	15	3
Research & Development	14.93	6.43	6.43	33.00	48.00	19.00	82	15	3

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.482064	0.068502	0.148828	0.142624	0.058603	0.006592	0.039838	0.040189	0.000921	0.001765	0.007545	0.000550	0.001979

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

Percent of Electricity Use Generated with Renewable 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	2,341.5386	2,341.5386	0.1035	0.0218	2,350.4700
Electricity Unmitigated											0.0000	5,035.2635	5,035.2635	0.2226	0.0469	5,054.4695
NaturalGas Mitigated											0.0000	2,077.4159	2,077.4159	0.0398	0.0381	2,090.0587
NaturalGas Unmitigated											0.0000	2,962.0634	2,962.0634	0.0568	0.0543	2,980.0900

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					
Hotel	6.12236e+006											0.0000	326.7123	326.7123	6.2600e-003	5.9900e-003	328.7007
Manufacturing	1.73352e+007											0.0000	925.0744	925.0744	0.0177	0.0170	930.7043
Regional Shopping Center	1.229e+006											0.0000	65.5841	65.5841	1.2600e-003	1.2000e-003	65.9833
Regional Shopping Center	309155											0.0000	16.4977	16.4977	3.2000e-004	3.0000e-004	16.5981
Research & Development	2.96111e+007											0.0000	1,580.1611	1,580.1611	0.0303	0.0290	1,589.7777
Research & Development	900119											0.0000	48.0338	48.0338	9.2000e-004	8.8000e-004	48.3261
Total												0.0000	2,962.0634	2,962.0634	0.0568	0.0543	2,980.0900

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					
Manufacturing	1.21506e+007											0.0000	648.4012	648.4012	0.0124	0.0119	652.3473
Regional Shopping Center	219125											0.0000	11.6934	11.6934	2.2000e-004	2.1000e-004	11.7645
Regional Shopping Center	871100											0.0000	46.4852	46.4852	8.9000e-004	8.5000e-004	46.7681
Research & Development	2.0755e+007											0.0000	1,107.5632	1,107.5632	0.0212	0.0203	1,114.3036
Research & Development	630909											0.0000	33.6677	33.6677	6.5000e-004	6.2000e-004	33.8726
Hotel	4.30264e+006											0.0000	229.6052	229.6052	4.4000e-003	4.2100e-003	231.0025
Total												0.0000	2,077.4159	2,077.4159	0.0398	0.0381	2,090.0587

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Hotel	1.63786e+006	319.2323	0.0141	2.9700e-003	320.4499
Manufacturing	8.15932e+006	1,590.3220	0.0703	0.0148	1,596.3879
Regional Shopping Center	1.339e+006	260.9827	0.0115	2.4300e-003	261.9781
Regional Shopping Center	336825	65.6502	2.9000e-003	6.1000e-004	65.9006
Research & Development	1.39373e+007	2,716.5002	0.1201	0.0253	2,726.8617
Research & Development	423666	82.5762	3.6500e-003	7.7000e-004	82.8912
Total		5,035.2636	0.2227	0.0469	5,054.4695

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Hotel	744114	145.0342	6.4100e-003	1.3500e-003	145.5874
Manufacturing	3.81181e+006	742.9543	0.0329	6.9200e-003	745.7882
Regional Shopping Center	150452	29.3244	1.3000e-003	2.7000e-004	29.4363
Regional Shopping Center	598100	116.5749	5.1500e-003	1.0900e-003	117.0195
Research & Development	197925	38.5773	1.7100e-003	3.6000e-004	38.7245
Research & Development	6.51112e+006	1,269.0736	0.0561	0.0118	1,273.9142
Total		2,341.5386	0.1035	0.0218	2,350.4700

6.0 Area Detail

6.1 Mitigation Measures Area

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											0.0000	0.0485	0.0485	1.2000e-004	0.0000	0.0511
Unmitigated											0.0000	0.0485	0.0485	1.2000e-004	0.0000	0.0511

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
Consumer Products											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping											0.0000	0.0485	0.0485	1.2000e-004	0.0000	0.0511
Total											0.0000	0.0485	0.0485	1.2000e-004	0.0000	0.0511

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
Consumer Products											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping											0.0000	0.0485	0.0485	1.2000e-004	0.0000	0.0511
Total											0.0000	0.0485	0.0485	1.2000e-004	0.0000	0.0511

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	887.1354	22.4406	0.5354	1,524.3605
Unmitigated	1,352.0987	32.0617	0.7656	2,262.7436

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Hotel	3.80502 / 0.422779	5.5085	0.1242	2.9700e- 003	9.0362
Manufacturing	204.425 / 0	280.4516	6.6707	0.1593	469.9174
Regional Shopping Center	9.27092 / 5.68217	16.5951	0.3027	7.2600e- 003	25.2024
Research & Development	765.027 / 0	1,049.543 5	24.9641	0.5961	1,758.587 7
Total		1,352.098 7	32.0617	0.7656	2,262.743 6

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Hotel	2.66351 / 0.422779	3.7079	0.0869	2.0800e-003	6.1767
Manufacturing	143.098 / 0	183.7112	4.6690	0.1114	316.2891
Regional Shopping Center	6.48964 / 5.68217	12.2078	0.2119	5.0900e-003	18.2351
Research & Development	535.519 / 0	687.5085	17.4728	0.4169	1,183.6595
Total		887.1354	22.4406	0.5354	1,524.3605

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	289.8610	17.1303	0.0000	649.5971
Unmitigated	289.8610	17.1303	0.0000	649.5971

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Hotel	82.13	16.6717	0.9853	0.0000	37.3622
Manufacturing	1096.16	222.5106	13.1500	0.0000	498.6605
Regional Shopping Center	131.42	26.6771	1.5766	0.0000	59.7850
Research & Development	118.24	24.0017	1.4185	0.0000	53.7893
Total		289.8609	17.1303	0.0000	649.5971

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Hotel	82.13	16.6717	0.9853	0.0000	37.3622
Manufacturing	1096.16	222.5106	13.1500	0.0000	498.6605
Regional Shopping Center	131.42	26.6771	1.5766	0.0000	59.7850
Research & Development	118.24	24.0017	1.4185	0.0000	53.7893
Total		289.8609	17.1303	0.0000	649.5971

9.0 Operational Offroad

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

Mace Ranch Innovation Center - GHG - Operational Year (2035)
Yolo County, Mitigation Report

Construction Mitigation Summary

Phase	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Architectural Coating	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Building Construction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Site Preparation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

OFFROAD Equipment Mitigation

Equipment Type	Fuel Type	Tier	Number Mitigated	Total Number of Equipment	DPF	Oxidation Catalyst
Air Compressors	Diesel	No Change	0	1	No Change	0.00
Cranes	Diesel	No Change	0	1	No Change	0.00
Excavators	Diesel	No Change	0	2	No Change	0.00
Forklifts	Diesel	No Change	0	3	No Change	0.00
Generator Sets	Diesel	No Change	0	1	No Change	0.00
Graders	Diesel	No Change	0	1	No Change	0.00
Pavers	Diesel	No Change	0	2	No Change	0.00
Paving Equipment	Diesel	No Change	0	2	No Change	0.00
Rollers	Diesel	No Change	0	2	No Change	0.00
Rubber Tired Dozers	Diesel	No Change	0	4	No Change	0.00
Scrapers	Diesel	No Change	0	2	No Change	0.00
Tractors/Loaders/Backhoes	Diesel	No Change	0	9	No Change	0.00
Welders	Diesel	No Change	0	1	No Change	0.00

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Unmitigated tons/yr							Unmitigated mt/yr					
Air Compressors							0.00000E+000	4.92778E+002	4.92778E+002	2.55300E-002	0.00000E+000	4.93314E+002
Cranes							0.00000E+000	8.99855E+002	8.99855E+002	1.83910E-001	0.00000E+000	9.03718E+002
Excavators							0.00000E+000	1.89689E+002	1.89689E+002	5.94200E-002	0.00000E+000	1.90937E+002
Forklifts							0.00000E+000	8.36415E+002	8.36415E+002	1.73860E-001	0.00000E+000	8.40066E+002
Generator Sets							0.00000E+000	1.09085E+003	1.09085E+003	3.97300E-002	0.00000E+000	1.09168E+003
Graders							0.00000E+000	1.11393E+002	1.11393E+002	3.49000E-002	0.00000E+000	1.12126E+002
Pavers							0.00000E+000	1.12151E+002	1.12151E+002	3.59700E-002	0.00000E+000	1.12906E+002
Paving Equipment							0.00000E+000	9.95368E+001	9.95368E+001	3.19200E-002	0.00000E+000	1.00207E+002
Rollers							0.00000E+000	6.50811E+001	6.50811E+001	2.08700E-002	0.00000E+000	6.55194E+001
Rubber Tired Dozers							0.00000E+000	3.44967E+002	3.44967E+002	1.06910E-001	0.00000E+000	3.47213E+002
Scrapers							0.00000E+000	5.34027E+002	5.34027E+002	1.67300E-001	0.00000E+000	5.37540E+002
Tractors/Loaders/Backhoes							0.00000E+000	1.68282E+003	1.68282E+003	3.70120E-001	0.00000E+000	1.69059E+003
Welders							0.00000E+000	3.63266E+002	3.63266E+002	3.35600E-002	0.00000E+000	3.63971E+002

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Mitigated tons/yr							Mitigated mt/yr					
Air Compressors							0.00000E+000	4.92777E+002	4.92777E+002	2.55300E-002	0.00000E+000	4.93314E+002
Cranes							0.00000E+000	8.99854E+002	8.99854E+002	1.83910E-001	0.00000E+000	9.03717E+002
Excavators							0.00000E+000	1.89689E+002	1.89689E+002	5.94200E-002	0.00000E+000	1.90937E+002
Forklifts							0.00000E+000	8.36414E+002	8.36414E+002	1.73860E-001	0.00000E+000	8.40065E+002
Generator Sets							0.00000E+000	1.09085E+003	1.09085E+003	3.97300E-002	0.00000E+000	1.09168E+003
Graders							0.00000E+000	1.11393E+002	1.11393E+002	3.49000E-002	0.00000E+000	1.12126E+002
Pavers							0.00000E+000	1.12151E+002	1.12151E+002	3.59700E-002	0.00000E+000	1.12906E+002
Paving Equipment							0.00000E+000	9.95367E+001	9.95367E+001	3.19200E-002	0.00000E+000	1.00207E+002
Rollers							0.00000E+000	6.50810E+001	6.50810E+001	2.08700E-002	0.00000E+000	6.55193E+001
Rubber Tired Dozers							0.00000E+000	3.44967E+002	3.44967E+002	1.06910E-001	0.00000E+000	3.47212E+002
Scrapers							0.00000E+000	5.34026E+002	5.34026E+002	1.67300E-001	0.00000E+000	5.37540E+002
Tractors/Loaders/Backhoes							0.00000E+000	1.68282E+003	1.68282E+003	3.70120E-001	0.00000E+000	1.69059E+003
Welders							0.00000E+000	3.63265E+002	3.63265E+002	3.35600E-002	0.00000E+000	3.63970E+002

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Air Compressors	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.17700E-006	1.17700E-006	0.00000E+000	0.00000E+000	1.19599E-006
Cranes	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.18908E-006	1.18908E-006	0.00000E+000	0.00000E+000	1.19506E-006
Excavators	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.21251E-006	1.21251E-006	0.00000E+000	0.00000E+000	1.20459E-006
Forklifts	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.18362E-006	1.18362E-006	0.00000E+000	0.00000E+000	1.19038E-006
Generator Sets	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.19173E-006	1.19173E-006	0.00000E+000	0.00000E+000	1.19082E-006
Graders	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.16704E-006	1.16704E-006	0.00000E+000	0.00000E+000	1.24859E-006
Pavers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.15915E-006	1.15915E-006	0.00000E+000	0.00000E+000	1.15140E-006
Paving Equipment	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.20558E-006	1.20558E-006	0.00000E+000	0.00000E+000	1.19752E-006
Rollers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.22924E-006	1.22924E-006	0.00000E+000	0.00000E+000	1.22101E-006
Rubber Tired Dozers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.18852E-006	1.18852E-006	0.00000E+000	0.00000E+000	1.18083E-006
Scrapers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.19844E-006	1.19844E-006	0.00000E+000	0.00000E+000	1.19061E-006
Tractors/Loaders/Balckhoes	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.18848E-006	1.18848E-006	0.00000E+000	0.00000E+000	1.18893E-006
Welders	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.18371E-006	1.18371E-006	0.00000E+000	0.00000E+000	1.18141E-006

Fugitive Dust Mitigation

Yes/No	Mitigation Measure	Mitigation Input	Mitigation Input	Mitigation Input
No	Soil Stabilizer for unpaved Roads	PM10 Reduction	PM2.5 Reduction	
No	Replace Ground Cover of Area Disturbed	PM10 Reduction	PM2.5 Reduction	
No	Water Exposed Area	PM10 Reduction	PM2.5 Reduction	Frequency (per day)

No	Unpaved Road Mitigation	Moisture Content %		Vehicle Speed (mph)			
No	Clean Paved Road	% PM Reduction	0.00				

Phase	Source	Unmitigated		Mitigated		Percent Reduction	
		PM10	PM2.5	PM10	PM2.5	PM10	PM2.5
Architectural Coating	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Architectural Coating	Roads	0.00	0.00	0.00	0.00	0.00	0.00
Building Construction	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Building Construction	Roads	0.00	0.00	0.00	0.00	0.00	0.00
Grading	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Grading	Roads	0.00	0.00	0.00	0.00	0.00	0.00
Paving	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Paving	Roads	0.00	0.00	0.00	0.00	0.00	0.00
Site Preparation	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Site Preparation	Roads	0.00	0.00	0.00	0.00	0.00	0.00

Operational Percent Reduction Summary

Category	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Architectural Coating	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Consumer Products	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Electricity	0.00	0.00	0.00	0.00	0.00	0.00	0.00	53.50	53.50	53.50	53.49	53.50
Hearth	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Landscaping	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mobile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Natural Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	29.87	29.87	29.87	29.85	29.87
Water Indoor	0.00	0.00	0.00	0.00	0.00	0.00	30.00	35.70	34.39	30.01	30.07	32.63
Water Outdoor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Operational Mobile Mitigation

Project Setting: Low Density Suburban

Mitigation	Category	Measure	% Reduction	Input Value 1	Input Value 2	Input Value
No	Land Use	Increase Density	0.00	0.00	0.00	
No	Land Use	Increase Diversity	0.25	0.56		
No	Land Use	Improve Walkability Design	0.00	0.00		
No	Land Use	Improve Destination Accessibility	0.00	0.00		
No	Land Use	Increase Transit Accessibility	0.25			
No	Land Use	Integrate Below Market Rate Housing	0.00	0.00		
	Land Use	Land Use SubTotal	0.00			

No	Neighborhood Enhancements	Improve Pedestrian Network	1.00	Project Site	
No	Neighborhood Enhancements	Provide Traffic Calming Measures			
No	Neighborhood Enhancements	Implement NEV Network	0.00		
	Neighborhood Enhancements	Neighborhood Enhancements Subtotal	0.00		
No	Parking Policy Pricing	Limit Parking Supply	0.00	0.00	
No	Parking Policy Pricing	Unbundle Parking Costs	0.00	0.00	
No	Parking Policy Pricing	On-street Market Pricing	0.00	0.00	
	Parking Policy Pricing	Parking Policy Pricing Subtotal	0.00		
No	Transit Improvements	Provide BRT System	0.00	0.00	
No	Transit Improvements	Expand Transit Network	0.00	0.00	
No	Transit Improvements	Increase Transit Frequency	0.00		0.00
	Transit Improvements	Transit Improvements Subtotal	0.00		
		Land Use and Site Enhancement Subtotal	0.00		
No	Commute	Implement Trip Reduction Program			
No	Commute	Transit Subsidy			
No	Commute	Implement Employee Parking "Cash Out"	3.00		
No	Commute	Workplace Parking Charge		0.00	
No	Commute	Encourage Telecommuting and Alternative Work Schedules	0.00		
No	Commute	Market Commute Trip Reduction Option	0.00		
No	Commute	Employee Vanpool/Shuttle	0.00		2.00
No	Commute	Provide Ride Sharing Program	5.00		
	Commute	Commute Subtotal	0.00		

No	School Trip	Implement School Bus Program	0.00		
		Total VMT Reduction	0.00		

Area Mitigation

Measure Implemented	Mitigation Measure	Input Value
No	Only Natural Gas Hearth	
No	No Hearth	
Yes	Use Low VOC Cleaning Supplies	
No	Use Low VOC Paint (Residential Interior)	100.00
No	Use Low VOC Paint (Residential Exterior)	100.00
No	Use Low VOC Paint (Non-residential Interior)	150.00
No	Use Low VOC Paint (Non-residential Exterior)	150.00
No	% Electric Lawnmower	0.00
No	% Electric Leafblower	0.00
No	% Electric Chainsaw	0.00

Energy Mitigation Measures

Measure Implemented	Mitigation Measure	Input Value 1	Input Value 2
Yes	Exceed Title 24	30.00	
No	Install High Efficiency Lighting	0.00	
Yes	On-site Renewable	0.00	50.00

Appliance Type	Land Use Subtype	% Improvement
ClothWasher		30.00

DishWasher		15.00
Fan		50.00
Refrigerator		15.00

Water Mitigation Measures

Measure Implemented	Mitigation Measure	Input Value 1	Input Value 2
Yes	Apply Water Conservation on Strategy	30.00	0.00
No	Use Reclaimed Water	0.00	0.00
No	Use Grey Water	0.00	
No	Install low-flow bathroom faucet	32.00	
No	Install low-flow Kitchen faucet	18.00	
No	Install low-flow Toilet	20.00	
No	Install low-flow Shower	20.00	
No	Turf Reduction	0.00	
No	Use Water Efficient Irrigation Systems	6.10	
No	Water Efficient Landscape	0.00	0.00

Solid Waste Mitigation

Mitigation Measures	Input Value
Institute Recycling and Composting Services Percent Reduction in Waste Disposed	

Mace Ranch Innovation Center - GHG - Operational Year (2035) - MITIGATED
Yolo County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Research & Development	1,510.00	1000sqft	34.66	1,510,000.00	0
Research & Development	45.90	1000sqft	1.05	45,901.00	0
Manufacturing	884.00	1000sqft	20.29	884,000.00	0
Hotel	150.00	Room	5.00	217,800.00	0
Regional Shopping Center	100.00	1000sqft	2.30	100,000.00	0
Regional Shopping Center	25.16	1000sqft	0.58	25,155.00	0

1.2 Other Project Characteristics

Urbanization	Rural	Wind Speed (m/s)	6.8	Precipitation Freq (Days)	54
Climate Zone	2			Operational Year	2035
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	429.7	CH4 Intensity (lb/MWhr)	0.019	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - intensity factors modified for anticipated PG&E RPS by 2035

Land Use -

Construction Phase - *

On-road Fugitive Dust - all roadways would be paved

Grading - total project site (plus 2 commercial parcels of Mace Triangle) = 224.42 acres

Vehicle Trips - based on VMT data from traffic consultant

Road Dust - all project roadways would be paved

Mobile Land Use Mitigation -

Area Mitigation - mitigation requires use of only zero VOC paint

Energy Mitigation -

Water Mitigation - project required to comply with Tier 1 CALGreen Code standards

Table Name	Column Name	Default Value	New Value
tblAreaMitigation	UseLowVOCPaintNonresidentialExteriorValue	150	0
tblAreaMitigation	UseLowVOCPaintNonresidentialInteriorValue	150	0
tblAreaMitigation	UseLowVOCPaintResidentialExteriorValue	100	0
tblAreaMitigation	UseLowVOCPaintResidentialInteriorValue	100	0
tblConstructionPhase	NumDays	75.00	3,860.00
tblConstructionPhase	NumDays	1,110.00	3,860.00
tblConstructionPhase	NumDays	110.00	395.00
tblConstructionPhase	NumDays	75.00	280.00
tblConstructionPhase	NumDays	40.00	150.00
tblConstructionPhase	PhaseEndDate	4/1/2050	6/29/2035
tblConstructionPhase	PhaseStartDate	6/16/2035	9/12/2020
tblGrading	AcresOfGrading	987.50	224.42
tblLandUse	LandUseSquareFeet	45,900.00	45,901.00
tblLandUse	LandUseSquareFeet	25,160.00	25,155.00

tblOnRoadDust	HaulingPercentPave	94.00	100.00
tblOnRoadDust	HaulingPercentPave	94.00	100.00
tblOnRoadDust	HaulingPercentPave	94.00	100.00
tblOnRoadDust	HaulingPercentPave	94.00	100.00
tblOnRoadDust	HaulingPercentPave	94.00	100.00
tblOnRoadDust	VendorPercentPave	94.00	100.00
tblOnRoadDust	VendorPercentPave	94.00	100.00
tblOnRoadDust	VendorPercentPave	94.00	100.00
tblOnRoadDust	VendorPercentPave	94.00	100.00
tblOnRoadDust	VendorPercentPave	94.00	100.00
tblOnRoadDust	WorkerPercentPave	94.00	100.00
tblOnRoadDust	WorkerPercentPave	94.00	100.00
tblOnRoadDust	WorkerPercentPave	94.00	100.00
tblOnRoadDust	WorkerPercentPave	94.00	100.00
tblOnRoadDust	WorkerPercentPave	94.00	100.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.019
tblProjectCharacteristics	CO2IntensityFactor	641.35	429.7
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.004
tblProjectCharacteristics	OperationalYear	2014	2035
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblRoadDust	RoadPercentPave	94	100
tblVehicleTrips	CC_TL	6.60	5.81
tblVehicleTrips	CC_TL	6.60	5.81
tblVehicleTrips	CC_TL	6.60	5.81
tblVehicleTrips	CC_TL	6.60	5.81
tblVehicleTrips	CNW_TL	6.60	5.81
tblVehicleTrips	CNW_TL	6.60	5.81
tblVehicleTrips	CNW_TL	6.60	5.81

tblVehicleTrips	CNW_TL	6.60	5.81
tblVehicleTrips	CW_TL	14.70	13.41
tblVehicleTrips	CW_TL	14.70	13.41
tblVehicleTrips	CW_TL	14.70	13.41
tblVehicleTrips	CW_TL	14.70	13.41

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					
2017											0.0000	248.2873	248.2873	0.0729	0.0000	249.8185
2018											0.0000	740.9738	740.9738	0.2238	0.0000	745.6726
2019											0.0000	556.7603	556.7603	0.1700	0.0000	560.3301
2020											0.0000	1,154.5131	1,154.5131	0.1051	0.0000	1,156.7202
2021											0.0000	2,857.8109	2,857.8109	0.1432	0.0000	2,860.8177
2022											0.0000	2,824.0424	2,824.0424	0.1396	0.0000	2,826.9740
2023											0.0000	2,802.6943	2,802.6943	0.1363	0.0000	2,805.5557
2024											0.0000	2,806.8051	2,806.8051	0.1349	0.0000	2,809.6375
2025											0.0000	2,780.7965	2,780.7965	0.1323	0.0000	2,783.5748
2026											0.0000	2,767.5858	2,767.5858	0.1309	0.0000	2,770.3354

	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					
2027											0.0000	2,756.1500	2,756.1500	0.1297	0.0000	2,758.8740
2028											0.0000	2,735.7700	2,735.7700	0.1281	0.0000	2,738.4604
2029											0.0000	2,737.8151	2,737.8151	0.1275	0.0000	2,740.4934
2030											0.0000	2,770.7223	2,770.7223	0.0691	0.0000	2,772.1732
2031											0.0000	2,764.8034	2,764.8034	0.0682	0.0000	2,766.2357
2032											0.0000	2,770.4805	2,770.4805	0.0677	0.0000	2,771.9018
2033											0.0000	2,745.2903	2,745.2903	0.0665	0.0000	2,746.6870
2034											0.0000	2,741.8891	2,741.8891	0.0659	0.0000	2,743.2727
2035											0.0000	1,273.6299	1,273.6299	0.0300	0.0000	1,274.2593
Total											0.0000	42,836.8201	42,836.8201	2.1416	0.0000	42,881.7938

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					
2017											0.0000	248.2871	248.2871	0.0729	0.0000	249.8182
2018											0.0000	740.9729	740.9729	0.2238	0.0000	745.6718
2019											0.0000	556.7597	556.7597	0.1700	0.0000	560.3294

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2020											0.0000	1,154.5127	1,154.5127	0.1051	0.0000	1,156.7199
2021											0.0000	2,857.8105	2,857.8105	0.1432	0.0000	2,860.8173
2022											0.0000	2,824.0420	2,824.0420	0.1396	0.0000	2,826.9736
2023											0.0000	2,802.6939	2,802.6939	0.1363	0.0000	2,805.5553
2024											0.0000	2,806.8047	2,806.8047	0.1349	0.0000	2,809.6371
2025											0.0000	2,780.7961	2,780.7961	0.1323	0.0000	2,783.5744
2026											0.0000	2,767.5854	2,767.5854	0.1309	0.0000	2,770.3350
2027											0.0000	2,756.1496	2,756.1496	0.1297	0.0000	2,758.8736
2028											0.0000	2,735.7696	2,735.7696	0.1281	0.0000	2,738.4600
2029											0.0000	2,737.8147	2,737.8147	0.1275	0.0000	2,740.4930
2030											0.0000	2,770.7219	2,770.7219	0.0691	0.0000	2,772.1728
2031											0.0000	2,764.8029	2,764.8029	0.0682	0.0000	2,766.2353
2032											0.0000	2,770.4800	2,770.4800	0.0677	0.0000	2,771.9014
2033											0.0000	2,745.2899	2,745.2899	0.0665	0.0000	2,746.6865
2034											0.0000	2,741.8886	2,741.8886	0.0659	0.0000	2,743.2722
2035											0.0000	1,273.6297	1,273.6297	0.0300	0.0000	1,274.2591
Total											0.0000	42,836.8120	42,836.8120	2.1416	0.0000	42,881.7857

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area											0.0000	0.0485	0.0485	1.2000e-004	0.0000	0.0511
Energy											0.0000	7,997.3269	7,997.3269	0.2794	0.1012	8,034.5595
Mobile											0.0000	17,417.0100	17,417.0100	0.3996	0.0000	17,425.4017
Waste											289.8610	0.0000	289.8610	17.1303	0.0000	649.5971
Water											311.7107	1,040.3880	1,352.0987	32.0617	0.7656	2,262.7436
Total											601.5716	26,454.7735	27,056.3451	49.8711	0.8668	28,372.3530

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area											0.0000	0.0485	0.0485	1.2000e-004	0.0000	0.0511
Energy											0.0000	4,418.9545	4,418.9545	0.1434	0.0599	4,440.5286
Mobile											0.0000	17,417.0100	17,417.0100	0.3996	0.0000	17,425.4017
Waste											289.8610	0.0000	289.8610	17.1303	0.0000	649.5971
Water											218.1975	668.9379	887.1354	22.4406	0.5354	1,524.3605
Total											508.0584	22,504.9509	23,013.0094	40.1139	0.5953	24,039.9390

	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	15.54	14.93	14.94	19.56	31.33	15.27

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	7/3/2017	1/26/2018	5	150	
2	Grading	Grading	1/27/2018	8/2/2019	5	395	
3	Paving	Paving	8/3/2019	8/28/2020	5	280	
4	Building Construction	Building Construction	8/29/2020	6/15/2035	5	3860	
5	Architectural Coating	Architectural Coating	9/12/2020	6/29/2035	5	3860	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 224.42

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 4,174,284; Non-Residential Outdoor: 1,391,428 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	162	0.38
Grading	Graders	1	8.00	174	0.41
Grading	Rubber Tired Dozers	1	8.00	255	0.40
Grading	Scrapers	2	8.00	361	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Pavers	2	8.00	125	0.42
Paving	Paving Equipment	2	8.00	130	0.36
Paving	Rollers	2	8.00	80	0.38
Building Construction	Cranes	1	7.00	226	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
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	1,001.00	456.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	200.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Site Preparation - 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					
Fugitive Dust											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	236.0500	236.0500	0.0723	0.0000	237.5688
Total											0.0000	236.0500	236.0500	0.0723	0.0000	237.5688

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
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	12.2373	12.2373	5.9000e-004	0.0000	12.2497
Total											0.0000	12.2373	12.2373	5.9000e-004	0.0000	12.2497

3.2 Site Preparation - 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					
Fugitive Dust											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	236.0497	236.0497	0.0723	0.0000	237.5686
Total											0.0000	236.0497	236.0497	0.0723	0.0000	237.5686

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
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	12.2373	12.2373	5.9000e-004	0.0000	12.2497
Total											0.0000	12.2373	12.2373	5.9000e-004	0.0000	12.2497

3.2 Site Preparation - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	35.7410	35.7410	0.0111	0.0000	35.9747
Total											0.0000	35.7410	35.7410	0.0111	0.0000	35.9747

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
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	1.8122	1.8122	8.0000e-005	0.0000	1.8139
Total											0.0000	1.8122	1.8122	8.0000e-005	0.0000	1.8139

3.2 Site Preparation - 2018

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
Off-Road											0.0000	35.7410	35.7410	0.0111	0.0000	35.9746
Total											0.0000	35.7410	35.7410	0.0111	0.0000	35.9746

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
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	1.8122	1.8122	8.0000e-005	0.0000	1.8139
Total											0.0000	1.8122	1.8122	8.0000e-005	0.0000	1.8139

3.3 Grading - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	679.1574	679.1574	0.2114	0.0000	683.5975
Total											0.0000	679.1574	679.1574	0.2114	0.0000	683.5975

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
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	24.2632	24.2632	1.1100e-003	0.0000	24.2865
Total											0.0000	24.2632	24.2632	1.1100e-003	0.0000	24.2865

3.3 Grading - 2018

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
Off-Road											0.0000	679.1566	679.1566	0.2114	0.0000	683.5967
Total											0.0000	679.1566	679.1566	0.2114	0.0000	683.5967

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
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	24.2632	24.2632	1.1100e-003	0.0000	24.2865
Total											0.0000	24.2632	24.2632	1.1100e-003	0.0000	24.2865

3.3 Grading - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	426.8949	426.8949	0.1351	0.0000	429.7312
Total											0.0000	426.8949	426.8949	0.1351	0.0000	429.7312

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
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	14.8934	14.8934	6.6000e-004	0.0000	14.9072
Total											0.0000	14.8934	14.8934	6.6000e-004	0.0000	14.9072

3.3 Grading - 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
Off-Road											0.0000	426.8944	426.8944	0.1351	0.0000	429.7307
Total											0.0000	426.8944	426.8944	0.1351	0.0000	429.7307

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
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	14.8934	14.8934	6.6000e-004	0.0000	14.9072
Total											0.0000	14.8934	14.8934	6.6000e-004	0.0000	14.9072

3.4 Paving - 2019

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											0.0000	107.2112	107.2112	0.0339	0.0000	107.9235
Paving											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total											0.0000	107.2112	107.2112	0.0339	0.0000	107.9235

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
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	7.7610	7.7610	3.4000e-004	0.0000	7.7682
Total											0.0000	7.7610	7.7610	3.4000e-004	0.0000	7.7682

3.4 Paving - 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					
Off-Road											0.0000	107.2110	107.2110	0.0339	0.0000	107.9234
Paving											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total											0.0000	107.2110	107.2110	0.0339	0.0000	107.9234

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
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	7.7610	7.7610	3.4000e-004	0.0000	7.7682
Total											0.0000	7.7610	7.7610	3.4000e-004	0.0000	7.7682

3.4 Paving - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road											0.0000	169.5578	169.5578	0.0548	0.0000	170.7094
Paving											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total											0.0000	169.5578	169.5578	0.0548	0.0000	170.7094

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
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	12.0504	12.0504	5.2000e-004	0.0000	12.0614
Total											0.0000	12.0504	12.0504	5.2000e-004	0.0000	12.0614

3.4 Paving - 2020

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											0.0000	169.5576	169.5576	0.0548	0.0000	170.7092
Paving											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total											0.0000	169.5576	169.5576	0.0548	0.0000	170.7092

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
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	12.0504	12.0504	5.2000e-004	0.0000	12.0614
Total											0.0000	12.0504	12.0504	5.2000e-004	0.0000	12.0614

3.5 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road											0.0000	102.6392	102.6392	0.0250	0.0000	103.1643
Total											0.0000	102.6392	102.6392	0.0250	0.0000	103.1643

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
Vendor											0.0000	373.1072	373.1072	2.8000e-003	0.0000	373.1659
Worker											0.0000	413.7027	413.7027	0.0180	0.0000	414.0800
Total											0.0000	786.8098	786.8098	0.0208	0.0000	787.2459

3.5 Building Construction - 2020

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											0.0000	102.6391	102.6391	0.0250	0.0000	103.1642
Total											0.0000	102.6391	102.6391	0.0250	0.0000	103.1642

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
Vendor											0.0000	373.1072	373.1072	2.8000e-003	0.0000	373.1659
Worker											0.0000	413.7027	413.7027	0.0180	0.0000	414.0800
Total											0.0000	786.8098	786.8098	0.0208	0.0000	787.2459

3.5 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road											0.0000	301.0339	301.0339	0.0725	0.0000	302.5568
Total											0.0000	301.0339	301.0339	0.0725	0.0000	302.5568

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
Vendor											0.0000	1,092.4269	1,092.4269	8.1200e-003	0.0000	1,092.5974
Worker											0.0000	1,192.7238	1,192.7238	0.0502	0.0000	1,193.7783
Total											0.0000	2,285.1507	2,285.1507	0.0583	0.0000	2,286.3757

3.5 Building Construction - 2021

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											0.0000	301.0335	301.0335	0.0725	0.0000	302.5565
Total											0.0000	301.0335	301.0335	0.0725	0.0000	302.5565

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
Vendor											0.0000	1,092.4269	1,092.4269	8.1200e-003	0.0000	1,092.5974
Worker											0.0000	1,192.7238	1,192.7238	0.0502	0.0000	1,193.7783
Total											0.0000	2,285.1507	2,285.1507	0.0583	0.0000	2,286.3757

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											0.0000	299.9946	299.9946	0.0718	0.0000	301.5017
Total											0.0000	299.9946	299.9946	0.0718	0.0000	301.5017

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
Vendor											0.0000	1,087.4785	1,087.4785	8.2000e-003	0.0000	1,087.6508
Worker											0.0000	1,169.6756	1,169.6756	0.0479	0.0000	1,170.6814
Total											0.0000	2,257.1541	2,257.1541	0.0561	0.0000	2,258.3322

3.5 Building Construction - 2022

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											0.0000	299.9943	299.9943	0.0718	0.0000	301.5013
Total											0.0000	299.9943	299.9943	0.0718	0.0000	301.5013

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
Vendor											0.0000	1,087.4785	1,087.4785	8.2000e-003	0.0000	1,087.6508
Worker											0.0000	1,169.6756	1,169.6756	0.0479	0.0000	1,170.6814
Total											0.0000	2,257.1541	2,257.1541	0.0561	0.0000	2,258.3322

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											0.0000	300.0980	300.0980	0.0713	0.0000	301.5949
Total											0.0000	300.0980	300.0980	0.0713	0.0000	301.5949

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
Vendor											0.0000	1,086.0388	1,086.0388	7.7700e-003	0.0000	1,086.2019
Worker											0.0000	1,152.9963	1,152.9963	0.0460	0.0000	1,153.9628
Total											0.0000	2,239.0351	2,239.0351	0.0538	0.0000	2,240.1647

3.5 Building Construction - 2023

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											0.0000	300.0976	300.0976	0.0713	0.0000	301.5946
Total											0.0000	300.0976	300.0976	0.0713	0.0000	301.5946

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
Vendor											0.0000	1,086.0388	1,086.0388	7.7700e-003	0.0000	1,086.2019
Worker											0.0000	1,152.9963	1,152.9963	0.0460	0.0000	1,153.9628
Total											0.0000	2,239.0351	2,239.0351	0.0538	0.0000	2,240.1647

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											0.0000	302.4646	302.4646	0.0714	0.0000	303.9643
Total											0.0000	302.4646	302.4646	0.0714	0.0000	303.9643

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
Vendor											0.0000	1,094.7843	1,094.7843	7.8500e-003	0.0000	1,094.9492
Worker											0.0000	1,146.9482	1,146.9482	0.0448	0.0000	1,147.8885
Total											0.0000	2,241.7325	2,241.7325	0.0526	0.0000	2,242.8377

3.5 Building Construction - 2024

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											0.0000	302.4642	302.4642	0.0714	0.0000	303.9639
Total											0.0000	302.4642	302.4642	0.0714	0.0000	303.9639

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
Vendor											0.0000	1,094.7843	1,094.7843	7.8500e-003	0.0000	1,094.9492
Worker											0.0000	1,146.9482	1,146.9482	0.0448	0.0000	1,147.8885
Total											0.0000	2,241.7325	2,241.7325	0.0526	0.0000	2,242.8377

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											0.0000	301.4019	301.4019	0.0707	0.0000	302.8874
Total											0.0000	301.4019	301.4019	0.0707	0.0000	302.8874

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
Vendor											0.0000	1,090.8825	1,090.8825	7.8400e-003	0.0000	1,091.0472
Worker											0.0000	1,129.5149	1,129.5149	0.0433	0.0000	1,130.4232
Total											0.0000	2,220.3974	2,220.3974	0.0511	0.0000	2,221.4705

3.5 Building Construction - 2025

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											0.0000	301.4015	301.4015	0.0707	0.0000	302.8871
Total											0.0000	301.4015	301.4015	0.0707	0.0000	302.8871

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
Vendor											0.0000	1,090.8825	1,090.8825	7.8400e-003	0.0000	1,091.0472
Worker											0.0000	1,129.5149	1,129.5149	0.0433	0.0000	1,130.4232
Total											0.0000	2,220.3974	2,220.3974	0.0511	0.0000	2,221.4705

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											0.0000	301.4019	301.4019	0.0707	0.0000	302.8874
Total											0.0000	301.4019	301.4019	0.0707	0.0000	302.8874

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
Vendor											0.0000	1,091.1594	1,091.1594	7.8500e-003	0.0000	1,091.3242
Worker											0.0000	1,118.2734	1,118.2734	0.0421	0.0000	1,119.1577
Total											0.0000	2,209.4327	2,209.4327	0.0500	0.0000	2,210.4819

3.5 Building Construction - 2026

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											0.0000	301.4015	301.4015	0.0707	0.0000	302.8871
Total											0.0000	301.4015	301.4015	0.0707	0.0000	302.8871

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
Vendor											0.0000	1,091.1594	1,091.1594	7.8500e-003	0.0000	1,091.3242
Worker											0.0000	1,118.2734	1,118.2734	0.0421	0.0000	1,119.1577
Total											0.0000	2,209.4327	2,209.4327	0.0500	0.0000	2,210.4819

3.5 Building Construction - 2027

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											0.0000	301.4019	301.4019	0.0707	0.0000	302.8874
Total											0.0000	301.4019	301.4019	0.0707	0.0000	302.8874

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
Vendor											0.0000	1,091.4582	1,091.4582	7.8600e-003	0.0000	1,091.6234
Worker											0.0000	1,108.4928	1,108.4928	0.0411	0.0000	1,109.3556
Total											0.0000	2,199.9510	2,199.9510	0.0489	0.0000	2,200.9789

3.5 Building Construction - 2027

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											0.0000	301.4015	301.4015	0.0707	0.0000	302.8871
Total											0.0000	301.4015	301.4015	0.0707	0.0000	302.8871

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
Vendor											0.0000	1,091.4582	1,091.4582	7.8600e-003	0.0000	1,091.6234
Worker											0.0000	1,108.4928	1,108.4928	0.0411	0.0000	1,109.3556
Total											0.0000	2,199.9510	2,199.9510	0.0489	0.0000	2,200.9789

3.5 Building Construction - 2028

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											0.0000	300.2471	300.2471	0.0705	0.0000	301.7269
Total											0.0000	300.2471	300.2471	0.0705	0.0000	301.7269

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
Vendor											0.0000	1,087.5224	1,087.5224	7.8400e-003	0.0000	1,087.6870
Worker											0.0000	1,095.8560	1,095.8560	0.0400	0.0000	1,096.6960
Total											0.0000	2,183.3783	2,183.3783	0.0478	0.0000	2,184.3830

3.5 Building Construction - 2028

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											0.0000	300.2467	300.2467	0.0705	0.0000	301.7266
Total											0.0000	300.2467	300.2467	0.0705	0.0000	301.7266

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
Vendor											0.0000	1,087.5224	1,087.5224	7.8400e-003	0.0000	1,087.6870
Worker											0.0000	1,095.8560	1,095.8560	0.0400	0.0000	1,096.6960
Total											0.0000	2,183.3783	2,183.3783	0.0478	0.0000	2,184.3830

3.5 Building Construction - 2029

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											0.0000	301.4019	301.4019	0.0707	0.0000	302.8874
Total											0.0000	301.4019	301.4019	0.0707	0.0000	302.8874

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
Vendor											0.0000	1,091.9140	1,091.9140	7.8800e-003	0.0000	1,092.0794
Worker											0.0000	1,092.8313	1,092.8313	0.0393	0.0000	1,093.6558
Total											0.0000	2,184.7453	2,184.7453	0.0471	0.0000	2,185.7352

3.5 Building Construction - 2029

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											0.0000	301.4015	301.4015	0.0707	0.0000	302.8871
Total											0.0000	301.4015	301.4015	0.0707	0.0000	302.8871

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
Vendor											0.0000	1,091.9140	1,091.9140	7.8800e-003	0.0000	1,092.0794
Worker											0.0000	1,092.8313	1,092.8313	0.0393	0.0000	1,093.6558
Total											0.0000	2,184.7453	2,184.7453	0.0471	0.0000	2,185.7352

3.5 Building Construction - 2030

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											0.0000	341.5281	341.5281	0.0137	0.0000	341.8160
Total											0.0000	341.5281	341.5281	0.0137	0.0000	341.8160

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
Vendor											0.0000	1,092.0285	1,092.0285	7.8800e-003	0.0000	1,092.1940
Worker											0.0000	1,086.7190	1,086.7190	0.0385	0.0000	1,087.5268
Total											0.0000	2,178.7476	2,178.7476	0.0464	0.0000	2,179.7208

3.5 Building Construction - 2030

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											0.0000	341.5277	341.5277	0.0137	0.0000	341.8156
Total											0.0000	341.5277	341.5277	0.0137	0.0000	341.8156

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
Vendor											0.0000	1,092.0285	1,092.0285	7.8800e-003	0.0000	1,092.1940
Worker											0.0000	1,086.7190	1,086.7190	0.0385	0.0000	1,087.5268
Total											0.0000	2,178.7476	2,178.7476	0.0464	0.0000	2,179.7208

3.5 Building Construction - 2031

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											0.0000	341.5281	341.5281	0.0137	0.0000	341.8160
Total											0.0000	341.5281	341.5281	0.0137	0.0000	341.8160

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
Vendor											0.0000	1,092.2810	1,092.2810	7.8900e-003	0.0000	1,092.4466
Worker											0.0000	1,081.5753	1,081.5753	0.0377	0.0000	1,082.3675
Total											0.0000	2,173.8563	2,173.8563	0.0456	0.0000	2,174.8142

3.5 Building Construction - 2031

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											0.0000	341.5277	341.5277	0.0137	0.0000	341.8156
Total											0.0000	341.5277	341.5277	0.0137	0.0000	341.8156

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
Vendor											0.0000	1,092.2810	1,092.2810	7.8900e-003	0.0000	1,092.4466
Worker											0.0000	1,081.5753	1,081.5753	0.0377	0.0000	1,082.3675
Total											0.0000	2,173.8563	2,173.8563	0.0456	0.0000	2,174.8142

3.5 Building Construction - 2032

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											0.0000	342.8367	342.8367	0.0138	0.0000	343.1257
Total											0.0000	342.8367	342.8367	0.0138	0.0000	343.1257

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
Vendor											0.0000	1,096.7327	1,096.7327	7.9200e-003	0.0000	1,096.8991
Worker											0.0000	1,081.3996	1,081.3996	0.0372	0.0000	1,082.1810
Total											0.0000	2,178.1323	2,178.1323	0.0451	0.0000	2,179.0801

3.5 Building Construction - 2032

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											0.0000	342.8363	342.8363	0.0138	0.0000	343.1252
Total											0.0000	342.8363	342.8363	0.0138	0.0000	343.1252

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
Vendor											0.0000	1,096.7327	1,096.7327	7.9200e-003	0.0000	1,096.8991
Worker											0.0000	1,081.3996	1,081.3996	0.0372	0.0000	1,082.1810
Total											0.0000	2,178.1323	2,178.1323	0.0451	0.0000	2,179.0801

3.5 Building Construction - 2033

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											0.0000	340.2196	340.2196	0.0137	0.0000	340.5064
Total											0.0000	340.2196	340.2196	0.0137	0.0000	340.5064

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
Vendor											0.0000	1,088.5794	1,088.5794	7.8700e-003	0.0000	1,088.7446
Worker											0.0000	1,069.5939	1,069.5939	0.0364	0.0000	1,070.3578
Total											0.0000	2,158.1734	2,158.1734	0.0442	0.0000	2,159.1024

3.5 Building Construction - 2033

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											0.0000	340.2192	340.2192	0.0137	0.0000	340.5060
Total											0.0000	340.2192	340.2192	0.0137	0.0000	340.5060

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
Vendor											0.0000	1,088.5794	1,088.5794	7.8700e-003	0.0000	1,088.7446
Worker											0.0000	1,069.5939	1,069.5939	0.0364	0.0000	1,070.3578
Total											0.0000	2,158.1734	2,158.1734	0.0442	0.0000	2,159.1024

3.5 Building Construction - 2034

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											0.0000	340.2196	340.2196	0.0137	0.0000	340.5064
Total											0.0000	340.2196	340.2196	0.0137	0.0000	340.5064

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
Vendor											0.0000	1,088.7788	1,088.7788	7.8700e-003	0.0000	1,088.9440
Worker											0.0000	1,066.5929	1,066.5929	0.0359	0.0000	1,067.3459
Total											0.0000	2,155.3717	2,155.3717	0.0437	0.0000	2,156.2899

3.5 Building Construction - 2034

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											0.0000	340.2192	340.2192	0.0137	0.0000	340.5060
Total											0.0000	340.2192	340.2192	0.0137	0.0000	340.5060

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
Vendor											0.0000	1,088.7788	1,088.7788	7.8700e-003	0.0000	1,088.9440
Worker											0.0000	1,066.5929	1,066.5929	0.0359	0.0000	1,067.3459
Total											0.0000	2,155.3717	2,155.3717	0.0437	0.0000	2,156.2899

3.5 Building Construction - 2035

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											0.0000	157.0244	157.0244	5.8500e-003	0.0000	157.1473
Total											0.0000	157.0244	157.0244	5.8500e-003	0.0000	157.1473

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
Vendor											0.0000	502.5800	502.5800	3.6300e-003	0.0000	502.6562
Worker											0.0000	491.1252	491.1252	0.0163	0.0000	491.4683
Total											0.0000	993.7052	993.7052	0.0200	0.0000	994.1246

3.5 Building Construction - 2035

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											0.0000	157.0242	157.0242	5.8500e-003	0.0000	157.1471
Total											0.0000	157.0242	157.0242	5.8500e-003	0.0000	157.1471

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
Vendor											0.0000	502.5800	502.5800	3.6300e-003	0.0000	502.6562
Worker											0.0000	491.1252	491.1252	0.0163	0.0000	491.4683
Total											0.0000	993.7052	993.7052	0.0200	0.0000	994.1246

3.6 Architectural Coating - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	10.0854	10.0854	7.8000e-004	0.0000	10.1018
Total											0.0000	10.0854	10.0854	7.8000e-004	0.0000	10.1018

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
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	73.3705	73.3705	3.1900e-003	0.0000	73.4374
Total											0.0000	73.3705	73.3705	3.1900e-003	0.0000	73.4374

3.6 Architectural Coating - 2020

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											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	10.0853	10.0853	7.8000e-004	0.0000	10.1017
Total											0.0000	10.0853	10.0853	7.8000e-004	0.0000	10.1017

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
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	73.3705	73.3705	3.1900e-003	0.0000	73.4374
Total											0.0000	73.3705	73.3705	3.1900e-003	0.0000	73.4374

3.6 Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.3200	33.3200	2.2900e-003	0.0000	33.3680
Total											0.0000	33.3200	33.3200	2.2900e-003	0.0000	33.3680

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
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	238.3065	238.3065	0.0100	0.0000	238.5171
Total											0.0000	238.3065	238.3065	0.0100	0.0000	238.5171

3.6 Architectural Coating - 2021

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											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.3199	33.3199	2.2900e-003	0.0000	33.3679
Total											0.0000	33.3199	33.3199	2.2900e-003	0.0000	33.3679

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
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	238.3065	238.3065	0.0100	0.0000	238.5171
Total											0.0000	238.3065	238.3065	0.0100	0.0000	238.5171

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											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.1923	33.1923	2.1600e-003	0.0000	33.2377
Total											0.0000	33.1923	33.1923	2.1600e-003	0.0000	33.2377

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
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	233.7014	233.7014	9.5700e-003	0.0000	233.9024
Total											0.0000	233.7014	233.7014	9.5700e-003	0.0000	233.9024

3.6 Architectural Coating - 2022

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											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.1923	33.1923	2.1600e-003	0.0000	33.2376
Total											0.0000	33.1923	33.1923	2.1600e-003	0.0000	33.2376

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
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	233.7014	233.7014	9.5700e-003	0.0000	233.9024
Total											0.0000	233.7014	233.7014	9.5700e-003	0.0000	233.9024

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											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.1923	33.1923	1.9900e-003	0.0000	33.2340
Total											0.0000	33.1923	33.1923	1.9900e-003	0.0000	33.2340

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
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	230.3689	230.3689	9.2000e-003	0.0000	230.5620
Total											0.0000	230.3689	230.3689	9.2000e-003	0.0000	230.5620

3.6 Architectural Coating - 2023

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											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.1923	33.1923	1.9900e-003	0.0000	33.2340
Total											0.0000	33.1923	33.1923	1.9900e-003	0.0000	33.2340

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
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	230.3689	230.3689	9.2000e-003	0.0000	230.5620
Total											0.0000	230.3689	230.3689	9.2000e-003	0.0000	230.5620

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											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.4476	33.4476	1.8800e-003	0.0000	33.4872
Total											0.0000	33.4476	33.4476	1.8800e-003	0.0000	33.4872

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
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	229.1605	229.1605	8.9500e-003	0.0000	229.3483
Total											0.0000	229.1605	229.1605	8.9500e-003	0.0000	229.3483

3.6 Architectural Coating - 2024

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											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.4476	33.4476	1.8800e-003	0.0000	33.4871
Total											0.0000	33.4476	33.4476	1.8800e-003	0.0000	33.4871

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
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	229.1605	229.1605	8.9500e-003	0.0000	229.3483
Total											0.0000	229.1605	229.1605	8.9500e-003	0.0000	229.3483

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											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.3200	33.3200	1.8200e-003	0.0000	33.3581
Total											0.0000	33.3200	33.3200	1.8200e-003	0.0000	33.3581

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
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	225.6773	225.6773	8.6400e-003	0.0000	225.8588
Total											0.0000	225.6773	225.6773	8.6400e-003	0.0000	225.8588

3.6 Architectural Coating - 2025

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											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.3199	33.3199	1.8200e-003	0.0000	33.3581
Total											0.0000	33.3199	33.3199	1.8200e-003	0.0000	33.3581

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
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	225.6773	225.6773	8.6400e-003	0.0000	225.8588
Total											0.0000	225.6773	225.6773	8.6400e-003	0.0000	225.8588

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											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.3200	33.3200	1.8200e-003	0.0000	33.3581
Total											0.0000	33.3200	33.3200	1.8200e-003	0.0000	33.3581

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
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	223.4312	223.4312	8.4100e-003	0.0000	223.6079
Total											0.0000	223.4312	223.4312	8.4100e-003	0.0000	223.6079

3.6 Architectural Coating - 2026

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											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.3199	33.3199	1.8200e-003	0.0000	33.3581
Total											0.0000	33.3199	33.3199	1.8200e-003	0.0000	33.3581

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
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	223.4312	223.4312	8.4100e-003	0.0000	223.6079
Total											0.0000	223.4312	223.4312	8.4100e-003	0.0000	223.6079

3.6 Architectural Coating - 2027

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											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.3200	33.3200	1.8200e-003	0.0000	33.3581
Total											0.0000	33.3200	33.3200	1.8200e-003	0.0000	33.3581

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
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	221.4771	221.4771	8.2100e-003	0.0000	221.6495
Total											0.0000	221.4771	221.4771	8.2100e-003	0.0000	221.6495

3.6 Architectural Coating - 2027

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											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.3199	33.3199	1.8200e-003	0.0000	33.3581
Total											0.0000	33.3199	33.3199	1.8200e-003	0.0000	33.3581

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
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	221.4771	221.4771	8.2100e-003	0.0000	221.6495
Total											0.0000	221.4771	221.4771	8.2100e-003	0.0000	221.6495

3.6 Architectural Coating - 2028

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											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.1923	33.1923	1.8100e-003	0.0000	33.2303
Total											0.0000	33.1923	33.1923	1.8100e-003	0.0000	33.2303

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
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	218.9522	218.9522	7.9900e-003	0.0000	219.1201
Total											0.0000	218.9522	218.9522	7.9900e-003	0.0000	219.1201

3.6 Architectural Coating - 2028

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											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.1923	33.1923	1.8100e-003	0.0000	33.2303
Total											0.0000	33.1923	33.1923	1.8100e-003	0.0000	33.2303

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
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	218.9522	218.9522	7.9900e-003	0.0000	219.1201
Total											0.0000	218.9522	218.9522	7.9900e-003	0.0000	219.1201

3.6 Architectural Coating - 2029

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											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.3200	33.3200	1.8200e-003	0.0000	33.3581
Total											0.0000	33.3200	33.3200	1.8200e-003	0.0000	33.3581

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
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	218.3479	218.3479	7.8400e-003	0.0000	218.5127
Total											0.0000	218.3479	218.3479	7.8400e-003	0.0000	218.5127

3.6 Architectural Coating - 2029

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											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.3199	33.3199	1.8200e-003	0.0000	33.3581
Total											0.0000	33.3199	33.3199	1.8200e-003	0.0000	33.3581

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
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	218.3479	218.3479	7.8400e-003	0.0000	218.5127
Total											0.0000	218.3479	218.3479	7.8400e-003	0.0000	218.5127

3.6 Architectural Coating - 2030

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											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.3200	33.3200	1.3500e-003	0.0000	33.3483
Total											0.0000	33.3200	33.3200	1.3500e-003	0.0000	33.3483

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
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	217.1267	217.1267	7.6900e-003	0.0000	217.2881
Total											0.0000	217.1267	217.1267	7.6900e-003	0.0000	217.2881

3.6 Architectural Coating - 2030

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											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.3199	33.3199	1.3500e-003	0.0000	33.3482
Total											0.0000	33.3199	33.3199	1.3500e-003	0.0000	33.3482

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
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	217.1267	217.1267	7.6900e-003	0.0000	217.2881
Total											0.0000	217.1267	217.1267	7.6900e-003	0.0000	217.2881

3.6 Architectural Coating - 2031

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											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.3200	33.3200	1.3500e-003	0.0000	33.3483
Total											0.0000	33.3200	33.3200	1.3500e-003	0.0000	33.3483

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
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	216.0990	216.0990	7.5400e-003	0.0000	216.2573
Total											0.0000	216.0990	216.0990	7.5400e-003	0.0000	216.2573

3.6 Architectural Coating - 2031

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											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.3199	33.3199	1.3500e-003	0.0000	33.3482
Total											0.0000	33.3199	33.3199	1.3500e-003	0.0000	33.3482

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
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	216.0990	216.0990	7.5400e-003	0.0000	216.2573
Total											0.0000	216.0990	216.0990	7.5400e-003	0.0000	216.2573

3.6 Architectural Coating - 2032

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											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.4476	33.4476	1.3500e-003	0.0000	33.4761
Total											0.0000	33.4476	33.4476	1.3500e-003	0.0000	33.4761

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
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	216.0639	216.0639	7.4300e-003	0.0000	216.2200
Total											0.0000	216.0639	216.0639	7.4300e-003	0.0000	216.2200

3.6 Architectural Coating - 2032

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											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.4476	33.4476	1.3500e-003	0.0000	33.4760
Total											0.0000	33.4476	33.4476	1.3500e-003	0.0000	33.4760

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
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	216.0639	216.0639	7.4300e-003	0.0000	216.2200
Total											0.0000	216.0639	216.0639	7.4300e-003	0.0000	216.2200

3.6 Architectural Coating - 2033

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											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.1923	33.1923	1.3400e-003	0.0000	33.2205
Total											0.0000	33.1923	33.1923	1.3400e-003	0.0000	33.2205

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
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	213.7051	213.7051	7.2700e-003	0.0000	213.8577
Total											0.0000	213.7051	213.7051	7.2700e-003	0.0000	213.8577

3.6 Architectural Coating - 2033

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											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.1923	33.1923	1.3400e-003	0.0000	33.2205
Total											0.0000	33.1923	33.1923	1.3400e-003	0.0000	33.2205

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
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	213.7051	213.7051	7.2700e-003	0.0000	213.8577
Total											0.0000	213.7051	213.7051	7.2700e-003	0.0000	213.8577

3.6 Architectural Coating - 2034

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											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.1923	33.1923	1.3400e-003	0.0000	33.2205
Total											0.0000	33.1923	33.1923	1.3400e-003	0.0000	33.2205

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
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	213.1055	213.1055	7.1600e-003	0.0000	213.2559
Total											0.0000	213.1055	213.1055	7.1600e-003	0.0000	213.2559

3.6 Architectural Coating - 2034

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											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.1923	33.1923	1.3400e-003	0.0000	33.2205
Total											0.0000	33.1923	33.1923	1.3400e-003	0.0000	33.2205

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
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	213.1055	213.1055	7.1600e-003	0.0000	213.2559
Total											0.0000	213.1055	213.1055	7.1600e-003	0.0000	213.2559

3.6 Architectural Coating - 2035

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											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	16.5962	16.5962	6.1000e-004	0.0000	16.6090
Total											0.0000	16.5962	16.5962	6.1000e-004	0.0000	16.6090

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
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	106.3042	106.3042	3.5400e-003	0.0000	106.3784
Total											0.0000	106.3042	106.3042	3.5400e-003	0.0000	106.3784

3.6 Architectural Coating - 2035

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											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	16.5961	16.5961	6.1000e-004	0.0000	16.6090
Total											0.0000	16.5961	16.5961	6.1000e-004	0.0000	16.6090

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
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	106.3042	106.3042	3.5400e-003	0.0000	106.3784
Total											0.0000	106.3042	106.3042	3.5400e-003	0.0000	106.3784

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											0.0000	17,417.0100	17,417.0100	0.3996	0.0000	17,425.4017
Unmitigated											0.0000	17,417.0100	17,417.0100	0.3996	0.0000	17,425.4017

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Hotel	1,225.50	1,228.50	892.50	2,110,712	2,110,712
Manufacturing	3,376.88	1,317.16	548.08	9,361,921	9,361,921
Regional Shopping Center	4,294.00	4,997.00	2524.00	6,684,581	6,684,581
Regional Shopping Center	1,080.37	1,257.25	635.04	1,681,841	1,681,841
Research & Development	12,246.10	2,869.00	1676.10	24,406,406	24,406,406
Research & Development	372.25	87.21	50.95	741,890	741,890
Total	22,595.10	11,756.12	6,326.67	44,987,351	44,987,351

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
Hotel	13.41	5.81	5.81	19.40	61.60	19.00	58	38	4
Manufacturing	13.41	5.81	5.81	59.00	28.00	13.00	92	5	3
Regional Shopping Center	13.41	5.81	5.81	16.30	64.70	19.00	54	35	11
Regional Shopping Center	13.41	5.81	5.81	16.30	64.70	19.00	54	35	11
Research & Development	13.41	5.81	5.81	33.00	48.00	19.00	82	15	3
Research & Development	13.41	5.81	5.81	33.00	48.00	19.00	82	15	3

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.482064	0.068502	0.148828	0.142624	0.058603	0.006592	0.039838	0.040189	0.000921	0.001765	0.007545	0.000550	0.001979

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

Percent of Electricity Use Generated with Renewable 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	2,341.5386	2,341.5386	0.1035	0.0218	2,350.4700
Electricity Unmitigated											0.0000	5,035.2635	5,035.2635	0.2226	0.0469	5,054.4695
NaturalGas Mitigated											0.0000	2,077.4159	2,077.4159	0.0398	0.0381	2,090.0587
NaturalGas Unmitigated											0.0000	2,962.0634	2,962.0634	0.0568	0.0543	2,980.0900

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					
Hotel	6.12236e+006											0.0000	326.7123	326.7123	6.2600e-003	5.9900e-003	328.7007
Manufacturing	1.73352e+007											0.0000	925.0744	925.0744	0.0177	0.0170	930.7043
Regional Shopping Center	1.229e+006											0.0000	65.5841	65.5841	1.2600e-003	1.2000e-003	65.9833
Regional Shopping Center	309155											0.0000	16.4977	16.4977	3.2000e-004	3.0000e-004	16.5981
Research & Development	2.96111e+007											0.0000	1,580.1611	1,580.1611	0.0303	0.0290	1,589.7777
Research & Development	900119											0.0000	48.0338	48.0338	9.2000e-004	8.8000e-004	48.3261
Total												0.0000	2,962.0634	2,962.0634	0.0568	0.0543	2,980.0900

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					
Manufacturing	1.21506e+007											0.0000	648.4012	648.4012	0.0124	0.0119	652.3473
Regional Shopping Center	219125											0.0000	11.6934	11.6934	2.2000e-004	2.1000e-004	11.7645
Regional Shopping Center	871100											0.0000	46.4852	46.4852	8.9000e-004	8.5000e-004	46.7681
Research & Development	2.0755e+007											0.0000	1,107.5632	1,107.5632	0.0212	0.0203	1,114.3036
Research & Development	630909											0.0000	33.6677	33.6677	6.5000e-004	6.2000e-004	33.8726
Hotel	4.30264e+006											0.0000	229.6052	229.6052	4.4000e-003	4.2100e-003	231.0025
Total												0.0000	2,077.4159	2,077.4159	0.0398	0.0381	2,090.0587

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Hotel	1.63786e+006	319.2323	0.0141	2.9700e-003	320.4499
Manufacturing	8.15932e+006	1,590.3220	0.0703	0.0148	1,596.3879
Regional Shopping Center	1.339e+006	260.9827	0.0115	2.4300e-003	261.9781
Regional Shopping Center	336825	65.6502	2.9000e-003	6.1000e-004	65.9006
Research & Development	1.39373e+007	2,716.5002	0.1201	0.0253	2,726.8617
Research & Development	423666	82.5762	3.6500e-003	7.7000e-004	82.8912
Total		5,035.2636	0.2227	0.0469	5,054.4695

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Hotel	744114	145.0342	6.4100e-003	1.3500e-003	145.5874
Manufacturing	3.81181e+006	742.9543	0.0329	6.9200e-003	745.7882
Regional Shopping Center	150452	29.3244	1.3000e-003	2.7000e-004	29.4363
Regional Shopping Center	598100	116.5749	5.1500e-003	1.0900e-003	117.0195
Research & Development	197925	38.5773	1.7100e-003	3.6000e-004	38.7245
Research & Development	6.51112e+006	1,269.0736	0.0561	0.0118	1,273.9142
Total		2,341.5386	0.1035	0.0218	2,350.4700

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 Low VOC Paint - Non-Residential Exterior
- 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											0.0000	0.0485	0.0485	1.2000e-004	0.0000	0.0511
Unmitigated											0.0000	0.0485	0.0485	1.2000e-004	0.0000	0.0511

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
Consumer Products											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping											0.0000	0.0485	0.0485	1.2000e-004	0.0000	0.0511
Total											0.0000	0.0485	0.0485	1.2000e-004	0.0000	0.0511

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
Consumer Products											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping											0.0000	0.0485	0.0485	1.2000e-004	0.0000	0.0511
Total											0.0000	0.0485	0.0485	1.2000e-004	0.0000	0.0511

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	887.1354	22.4406	0.5354	1,524.3605
Unmitigated	1,352.0987	32.0617	0.7656	2,262.7436

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Hotel	3.80502 / 0.422779	5.5085	0.1242	2.9700e- 003	9.0362
Manufacturing	204.425 / 0	280.4516	6.6707	0.1593	469.9174
Regional Shopping Center	9.27092 / 5.68217	16.5951	0.3027	7.2600e- 003	25.2024
Research & Development	765.027 / 0	1,049.543 5	24.9641	0.5961	1,758.587 7
Total		1,352.098 7	32.0617	0.7656	2,262.743 6

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Hotel	2.66351 / 0.422779	3.7079	0.0869	2.0800e-003	6.1767
Manufacturing	143.098 / 0	183.7112	4.6690	0.1114	316.2891
Regional Shopping Center	6.48964 / 5.68217	12.2078	0.2119	5.0900e-003	18.2351
Research & Development	535.519 / 0	687.5085	17.4728	0.4169	1,183.6595
Total		887.1354	22.4406	0.5354	1,524.3605

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	289.8610	17.1303	0.0000	649.5971
Unmitigated	289.8610	17.1303	0.0000	649.5971

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Hotel	82.13	16.6717	0.9853	0.0000	37.3622
Manufacturing	1096.16	222.5106	13.1500	0.0000	498.6605
Regional Shopping Center	131.42	26.6771	1.5766	0.0000	59.7850
Research & Development	118.24	24.0017	1.4185	0.0000	53.7893
Total		289.8609	17.1303	0.0000	649.5971

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Hotel	82.13	16.6717	0.9853	0.0000	37.3622
Manufacturing	1096.16	222.5106	13.1500	0.0000	498.6605
Regional Shopping Center	131.42	26.6771	1.5766	0.0000	59.7850
Research & Development	118.24	24.0017	1.4185	0.0000	53.7893
Total		289.8609	17.1303	0.0000	649.5971

9.0 Operational Offroad

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

Mace Ranch Innovation Center - GHG - Operational Year (2035) - MITIGATED

Yolo County, Mitigation Report

Construction Mitigation Summary

Phase	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Architectural Coating	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Building Construction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Site Preparation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

OFFROAD Equipment Mitigation

Equipment Type	Fuel Type	Tier	Number Mitigated	Total Number of Equipment	DPF	Oxidation Catalyst
Air Compressors	Diesel	No Change	0	1	No Change	0.00
Cranes	Diesel	No Change	0	1	No Change	0.00
Excavators	Diesel	No Change	0	2	No Change	0.00
Forklifts	Diesel	No Change	0	3	No Change	0.00
Generator Sets	Diesel	No Change	0	1	No Change	0.00
Graders	Diesel	No Change	0	1	No Change	0.00
Pavers	Diesel	No Change	0	2	No Change	0.00
Paving Equipment	Diesel	No Change	0	2	No Change	0.00
Rollers	Diesel	No Change	0	2	No Change	0.00
Rubber Tired Dozers	Diesel	No Change	0	4	No Change	0.00
Scrapers	Diesel	No Change	0	2	No Change	0.00
Tractors/Loaders/Backhoes	Diesel	No Change	0	9	No Change	0.00
Welders	Diesel	No Change	0	1	No Change	0.00

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Unmitigated tons/yr							Unmitigated mt/yr					
Air Compressors							0.00000E+000	4.92778E+002	4.92778E+002	2.55300E-002	0.00000E+000	4.93314E+002
Cranes							0.00000E+000	8.99855E+002	8.99855E+002	1.83910E-001	0.00000E+000	9.03718E+002
Excavators							0.00000E+000	1.89689E+002	1.89689E+002	5.94200E-002	0.00000E+000	1.90937E+002
Forklifts							0.00000E+000	8.36415E+002	8.36415E+002	1.73860E-001	0.00000E+000	8.40066E+002
Generator Sets							0.00000E+000	1.09085E+003	1.09085E+003	3.97300E-002	0.00000E+000	1.09168E+003
Graders							0.00000E+000	1.11393E+002	1.11393E+002	3.49000E-002	0.00000E+000	1.12126E+002
Pavers							0.00000E+000	1.12151E+002	1.12151E+002	3.59700E-002	0.00000E+000	1.12906E+002
Paving Equipment							0.00000E+000	9.95368E+001	9.95368E+001	3.19200E-002	0.00000E+000	1.00207E+002
Rollers							0.00000E+000	6.50811E+001	6.50811E+001	2.08700E-002	0.00000E+000	6.55194E+001
Rubber Tired Dozers							0.00000E+000	3.44967E+002	3.44967E+002	1.06910E-001	0.00000E+000	3.47213E+002
Scrapers							0.00000E+000	5.34027E+002	5.34027E+002	1.67300E-001	0.00000E+000	5.37540E+002
Tractors/Loaders/Backhoes							0.00000E+000	1.68282E+003	1.68282E+003	3.70120E-001	0.00000E+000	1.69059E+003
Welders							0.00000E+000	3.63266E+002	3.63266E+002	3.35600E-002	0.00000E+000	3.63971E+002

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Mitigated tons/yr							Mitigated mt/yr					
Air Compressors							0.00000E+000	4.92777E+002	4.92777E+002	2.55300E-002	0.00000E+000	4.93314E+002
Cranes							0.00000E+000	8.99854E+002	8.99854E+002	1.83910E-001	0.00000E+000	9.03717E+002
Excavators							0.00000E+000	1.89689E+002	1.89689E+002	5.94200E-002	0.00000E+000	1.90937E+002
Forklifts							0.00000E+000	8.36414E+002	8.36414E+002	1.73860E-001	0.00000E+000	8.40065E+002
Generator Sets							0.00000E+000	1.09085E+003	1.09085E+003	3.97300E-002	0.00000E+000	1.09168E+003
Graders							0.00000E+000	1.11393E+002	1.11393E+002	3.49000E-002	0.00000E+000	1.12126E+002
Pavers							0.00000E+000	1.12151E+002	1.12151E+002	3.59700E-002	0.00000E+000	1.12906E+002
Paving Equipment							0.00000E+000	9.95367E+001	9.95367E+001	3.19200E-002	0.00000E+000	1.00207E+002
Rollers							0.00000E+000	6.50810E+001	6.50810E+001	2.08700E-002	0.00000E+000	6.55193E+001
Rubber Tired Dozers							0.00000E+000	3.44967E+002	3.44967E+002	1.06910E-001	0.00000E+000	3.47212E+002
Scrapers							0.00000E+000	5.34026E+002	5.34026E+002	1.67300E-001	0.00000E+000	5.37540E+002
Tractors/Loaders/Backhoes							0.00000E+000	1.68282E+003	1.68282E+003	3.70120E-001	0.00000E+000	1.69059E+003
Welders							0.00000E+000	3.63265E+002	3.63265E+002	3.35600E-002	0.00000E+000	3.63970E+002

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Air Compressors	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.17700E-006	1.17700E-006	0.00000E+000	0.00000E+000	1.19599E-006
Cranes	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.18908E-006	1.18908E-006	0.00000E+000	0.00000E+000	1.19506E-006
Excavators	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.21251E-006	1.21251E-006	0.00000E+000	0.00000E+000	1.20459E-006
Forklifts	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.18362E-006	1.18362E-006	0.00000E+000	0.00000E+000	1.19038E-006
Generator Sets	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.19173E-006	1.19173E-006	0.00000E+000	0.00000E+000	1.19082E-006
Graders	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.16704E-006	1.16704E-006	0.00000E+000	0.00000E+000	1.24859E-006
Pavers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.15915E-006	1.15915E-006	0.00000E+000	0.00000E+000	1.15140E-006
Paving Equipment	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.20558E-006	1.20558E-006	0.00000E+000	0.00000E+000	1.19752E-006
Rollers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.22924E-006	1.22924E-006	0.00000E+000	0.00000E+000	1.22101E-006
Rubber Tired Dozers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.18852E-006	1.18852E-006	0.00000E+000	0.00000E+000	1.18083E-006
Scrapers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.19844E-006	1.19844E-006	0.00000E+000	0.00000E+000	1.19061E-006
Tractors/Loaders/Balckhoes	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.18848E-006	1.18848E-006	0.00000E+000	0.00000E+000	1.18893E-006
Welders	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.18371E-006	1.18371E-006	0.00000E+000	0.00000E+000	1.18141E-006

Fugitive Dust Mitigation

Yes/No	Mitigation Measure	Mitigation Input	Mitigation Input	Mitigation Input
No	Soil Stabilizer for unpaved Roads	PM10 Reduction	PM2.5 Reduction	
No	Replace Ground Cover of Area Disturbed	PM10 Reduction	PM2.5 Reduction	
No	Water Exposed Area	PM10 Reduction	PM2.5 Reduction	Frequency (per day)

No	Unpaved Road Mitigation	Moisture Content %		Vehicle Speed (mph)			
No	Clean Paved Road	% PM Reduction	0.00				

Phase	Source	Unmitigated		Mitigated		Percent Reduction	
		PM10	PM2.5	PM10	PM2.5	PM10	PM2.5
Architectural Coating	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Architectural Coating	Roads	0.00	0.00	0.00	0.00	0.00	0.00
Building Construction	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Building Construction	Roads	0.00	0.00	0.00	0.00	0.00	0.00
Grading	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Grading	Roads	0.00	0.00	0.00	0.00	0.00	0.00
Paving	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Paving	Roads	0.00	0.00	0.00	0.00	0.00	0.00
Site Preparation	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Site Preparation	Roads	0.00	0.00	0.00	0.00	0.00	0.00

Operational Percent Reduction Summary

Category	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Architectural Coating	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Consumer Products	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Electricity	0.00	0.00	0.00	0.00	0.00	0.00	0.00	53.50	53.50	53.50	53.49	53.50
Hearth	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Landscaping	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mobile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Natural Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	29.87	29.87	29.87	29.85	29.87
Water Indoor	0.00	0.00	0.00	0.00	0.00	0.00	30.00	35.70	34.39	30.01	30.07	32.63
Water Outdoor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Operational Mobile Mitigation

Project Setting: Low Density Suburban

Mitigation	Category	Measure	% Reduction	Input Value 1	Input Value 2	Input Value
No	Land Use	Increase Density	0.00	0.00	0.00	
No	Land Use	Increase Diversity	0.25	0.56		
No	Land Use	Improve Walkability Design	0.00	0.00		
No	Land Use	Improve Destination Accessibility	0.00	0.00		
No	Land Use	Increase Transit Accessibility	0.25			
No	Land Use	Integrate Below Market Rate Housing	0.00	0.00		
	Land Use	Land Use SubTotal	0.00			

No	Neighborhood Enhancements	Improve Pedestrian Network	1.00	Project Site		
No	Neighborhood Enhancements	Provide Traffic Calming Measures				
No	Neighborhood Enhancements	Implement NEV Network	0.00			
	Neighborhood Enhancements	Neighborhood Enhancements Subtotal	0.00			
No	Parking Policy Pricing	Limit Parking Supply	0.00	0.00		
No	Parking Policy Pricing	Unbundle Parking Costs	0.00	0.00		
No	Parking Policy Pricing	On-street Market Pricing	0.00	0.00		
	Parking Policy Pricing	Parking Policy Pricing Subtotal	0.00			
No	Transit Improvements	Provide BRT System	0.00	0.00		
No	Transit Improvements	Expand Transit Network	0.00	0.00		
No	Transit Improvements	Increase Transit Frequency	0.00		0.00	
	Transit Improvements	Transit Improvements Subtotal	0.00			
		Land Use and Site Enhancement Subtotal	0.00			
No	Commute	Implement Trip Reduction Program				
No	Commute	Transit Subsidy				
No	Commute	Implement Employee Parking "Cash Out"	3.00			
No	Commute	Workplace Parking Charge		0.00		
No	Commute	Encourage Telecommuting and Alternative Work Schedules	0.00			
No	Commute	Market Commute Trip Reduction Option	0.00			
No	Commute	Employee Vanpool/Shuttle	0.00		2.00	
No	Commute	Provide Ride Sharing Program	5.00			
	Commute	Commute Subtotal	0.00			

No	School Trip	Implement School Bus Program	0.00		
		Total VMT Reduction	0.00		

Area Mitigation

Measure Implemented	Mitigation Measure	Input Value
No	Only Natural Gas Hearth	
No	No Hearth	
Yes	Use Low VOC Cleaning Supplies	
Yes	Use Low VOC Paint (Residential Interior)	0.00
Yes	Use Low VOC Paint (Residential Exterior)	0.00
Yes	Use Low VOC Paint (Non-residential Interior)	0.00
Yes	Use Low VOC Paint (Non-residential Exterior)	0.00
No	% Electric Lawnmower	0.00
No	% Electric Leafblower	0.00
No	% Electric Chainsaw	0.00

Energy Mitigation Measures

Measure Implemented	Mitigation Measure	Input Value 1	Input Value 2
Yes	Exceed Title 24	30.00	
No	Install High Efficiency Lighting	0.00	
Yes	On-site Renewable	0.00	50.00

Appliance Type	Land Use Subtype	% Improvement
ClothWasher		30.00

DishWasher		15.00
Fan		50.00
Refrigerator		15.00

Water Mitigation Measures

Measure Implemented	Mitigation Measure	Input Value 1	Input Value 2
Yes	Apply Water Conservation on Strategy	30.00	0.00
No	Use Reclaimed Water	0.00	0.00
No	Use Grey Water	0.00	
No	Install low-flow bathroom faucet	32.00	
No	Install low-flow Kitchen faucet	18.00	
No	Install low-flow Toilet	20.00	
No	Install low-flow Shower	20.00	
No	Turf Reduction	0.00	
No	Use Water Efficient Irrigation Systems	6.10	
No	Water Efficient Landscape	0.00	0.00

Solid Waste Mitigation

Mitigation Measures	Input Value
Institute Recycling and Composting Services Percent Reduction in Waste Disposed	

Mace Ranch Innovation Center - GHG - 1990 Levels
Yolo County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Research & Development	1,510.00	1000sqft	34.66	1,510,000.00	0
Research & Development	45.90	1000sqft	1.05	45,901.00	0
Manufacturing	884.00	1000sqft	20.29	884,000.00	0
Hotel	150.00	Room	5.00	217,800.00	0
Regional Shopping Center	100.00	1000sqft	2.30	100,000.00	0
Regional Shopping Center	25.16	1000sqft	0.58	25,155.00	0

1.2 Other Project Characteristics

Urbanization	Rural	Wind Speed (m/s)	6.8	Precipitation Freq (Days)	54
Climate Zone	2			Operational Year	1990
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	641.35	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - *

On-road Fugitive Dust - all roadways would be paved

Grading - total project site (plus 2 commercial parcels of Mace Triangle) = 224.42 acres

Vehicle Trips - based on VMT data from traffic consultant

Road Dust - all project roadways would be paved

Mobile Land Use Mitigation -

Area Mitigation -

Energy Mitigation -

Water Mitigation - project required to comply with Tier 1 CALGreen Code standards

Energy Use - using historical data

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	150
tblAreaMitigation	UseLowVOCPaintNonresidentialInteriorValue	250	150
tblAreaMitigation	UseLowVOCPaintResidentialExteriorValue	250	100
tblAreaMitigation	UseLowVOCPaintResidentialInteriorValue	250	100
tblConstructionPhase	NumDays	75.00	3,860.00
tblConstructionPhase	NumDays	1,110.00	3,860.00
tblConstructionPhase	NumDays	110.00	395.00
tblConstructionPhase	NumDays	75.00	280.00
tblConstructionPhase	NumDays	40.00	150.00
tblConstructionPhase	PhaseEndDate	4/1/2050	6/29/2035
tblConstructionPhase	PhaseStartDate	6/16/2035	9/12/2020
tblEnergyUse	LightingElect	4.22	3.86
tblEnergyUse	LightingElect	3.26	3.01
tblEnergyUse	LightingElect	7.17	6.65

tblEnergyUse	LightingElect	3.26	3.01
tblEnergyUse	T24E	2.68	2.29
tblEnergyUse	T24E	2.17	2.02
tblEnergyUse	T24E	4.97	4.76
tblEnergyUse	T24E	2.17	2.02
tblEnergyUse	T24NG	28.26	27.85
tblEnergyUse	T24NG	21.82	19.55
tblEnergyUse	T24NG	14.13	11.93
tblEnergyUse	T24NG	21.82	19.55
tblGrading	AcresOfGrading	987.50	224.42
tblLandUse	LandUseSquareFeet	45,900.00	45,901.00
tblLandUse	LandUseSquareFeet	25,160.00	25,155.00
tblOnRoadDust	HaulingPercentPave	94.00	100.00
tblOnRoadDust	HaulingPercentPave	94.00	100.00
tblOnRoadDust	HaulingPercentPave	94.00	100.00
tblOnRoadDust	HaulingPercentPave	94.00	100.00
tblOnRoadDust	HaulingPercentPave	94.00	100.00
tblOnRoadDust	VendorPercentPave	94.00	100.00
tblOnRoadDust	VendorPercentPave	94.00	100.00
tblOnRoadDust	VendorPercentPave	94.00	100.00
tblOnRoadDust	VendorPercentPave	94.00	100.00
tblOnRoadDust	VendorPercentPave	94.00	100.00
tblOnRoadDust	WorkerPercentPave	94.00	100.00
tblOnRoadDust	WorkerPercentPave	94.00	100.00
tblOnRoadDust	WorkerPercentPave	94.00	100.00
tblOnRoadDust	WorkerPercentPave	94.00	100.00
tblOnRoadDust	WorkerPercentPave	94.00	100.00
tblProjectCharacteristics	OperationalYear	2014	1990

tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblRoadDust	RoadPercentPave	94	100
tblVehicleTrips	CC_TL	6.60	6.43
tblVehicleTrips	CC_TL	6.60	6.43
tblVehicleTrips	CC_TL	6.60	6.43
tblVehicleTrips	CC_TL	6.60	6.43
tblVehicleTrips	CNW_TL	6.60	6.43
tblVehicleTrips	CNW_TL	6.60	6.43
tblVehicleTrips	CNW_TL	6.60	6.43
tblVehicleTrips	CNW_TL	6.60	6.43
tblVehicleTrips	CW_TL	14.70	14.93
tblVehicleTrips	CW_TL	14.70	14.93
tblVehicleTrips	CW_TL	14.70	14.93
tblVehicleTrips	CW_TL	14.70	14.93

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					
2017											0.0000	248.2873	248.2873	0.0729	0.0000	249.8185
2018											0.0000	740.9738	740.9738	0.2238	0.0000	745.6726
2019											0.0000	556.7603	556.7603	0.1700	0.0000	560.3301

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2020											0.0000	1,154.513 1	1,154.513 1	0.1051	0.0000	1,156.720 2
2021											0.0000	2,857.810 9	2,857.810 9	0.1432	0.0000	2,860.817 7
2022											0.0000	2,824.042 4	2,824.042 4	0.1396	0.0000	2,826.974 0
2023											0.0000	2,802.694 3	2,802.694 3	0.1363	0.0000	2,805.555 7
2024											0.0000	2,806.805 1	2,806.805 1	0.1349	0.0000	2,809.637 5
2025											0.0000	2,780.796 5	2,780.796 5	0.1323	0.0000	2,783.574 8
2026											0.0000	2,767.585 8	2,767.585 8	0.1309	0.0000	2,770.335 4
2027											0.0000	2,756.150 0	2,756.150 0	0.1297	0.0000	2,758.874 0
2028											0.0000	2,735.770 0	2,735.770 0	0.1281	0.0000	2,738.460 4
2029											0.0000	2,737.815 1	2,737.815 1	0.1275	0.0000	2,740.493 4
2030											0.0000	2,770.722 3	2,770.722 3	0.0691	0.0000	2,772.173 2
2031											0.0000	2,764.803 4	2,764.803 4	0.0682	0.0000	2,766.235 7
2032											0.0000	2,770.480 5	2,770.480 5	0.0677	0.0000	2,771.901 8
2033											0.0000	2,745.290 3	2,745.290 3	0.0665	0.0000	2,746.687 0
2034											0.0000	2,741.889 1	2,741.889 1	0.0659	0.0000	2,743.272 7
2035											0.0000	1,273.629 9	1,273.629 9	0.0300	0.0000	1,274.259 3
Total											0.0000	42,836.82 01	42,836.82 01	2.1416	0.0000	42,881.79 38

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					
2017											0.0000	248.2871	248.2871	0.0729	0.0000	249.8182
2018											0.0000	740.9729	740.9729	0.2238	0.0000	745.6718
2019											0.0000	556.7597	556.7597	0.1700	0.0000	560.3294
2020											0.0000	1,154.5127	1,154.5127	0.1051	0.0000	1,156.7199
2021											0.0000	2,857.8105	2,857.8105	0.1432	0.0000	2,860.8173
2022											0.0000	2,824.0420	2,824.0420	0.1396	0.0000	2,826.9736
2023											0.0000	2,802.6939	2,802.6939	0.1363	0.0000	2,805.5553
2024											0.0000	2,806.8047	2,806.8047	0.1349	0.0000	2,809.6371
2025											0.0000	2,780.7961	2,780.7961	0.1323	0.0000	2,783.5744
2026											0.0000	2,767.5854	2,767.5854	0.1309	0.0000	2,770.3350
2027											0.0000	2,756.1496	2,756.1496	0.1297	0.0000	2,758.8736
2028											0.0000	2,735.7696	2,735.7696	0.1281	0.0000	2,738.4600
2029											0.0000	2,737.8147	2,737.8147	0.1275	0.0000	2,740.4930
2030											0.0000	2,770.7219	2,770.7219	0.0691	0.0000	2,772.1728
2031											0.0000	2,764.8029	2,764.8029	0.0682	0.0000	2,766.2353
2032											0.0000	2,770.4800	2,770.4800	0.0677	0.0000	2,771.9014

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area											0.0000	0.0485	0.0485	9.1000e-004	0.0000	0.0677
Energy											0.0000	10,477.4608	10,477.4608	0.3966	0.1246	10,524.4194
Mobile											0.0000	27,819.5127	27,819.5127	9.0966	0.0000	28,010.5413
Waste											289.8610	0.0000	289.8610	17.1303	0.0000	649.5971
Water											311.7107	1,552.8342	1,864.5448	32.0859	0.7705	2,777.1994
Total											601.5716	39,849.8562	40,451.4278	58.7103	0.8951	41,961.8248

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area											0.0000	0.0485	0.0485	9.1000e-004	0.0000	0.0677
Energy											0.0000	10,477.4608	10,477.4608	0.3966	0.1246	10,524.4194
Mobile											0.0000	27,819.5127	27,819.5127	9.0966	0.0000	28,010.5413
Waste											289.8610	0.0000	289.8610	17.1303	0.0000	649.5971
Water											311.7107	1,552.8342	1,864.5448	32.0801	0.7693	2,776.7021
Total											601.5716	39,849.8562	40,451.4278	58.7045	0.8939	41,961.3275

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.14	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	7/3/2017	1/26/2018	5	150	
2	Grading	Grading	1/27/2018	8/2/2019	5	395	
3	Paving	Paving	8/3/2019	8/28/2020	5	280	
4	Building Construction	Building Construction	8/29/2020	6/15/2035	5	3860	
5	Architectural Coating	Architectural Coating	9/12/2020	6/29/2035	5	3860	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 224.42

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 4,174,284; Non-Residential Outdoor: 1,391,428 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	162	0.38
Grading	Graders	1	8.00	174	0.41
Grading	Rubber Tired Dozers	1	8.00	255	0.40
Grading	Scrapers	2	8.00	361	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Pavers	2	8.00	125	0.42
Paving	Paving Equipment	2	8.00	130	0.36
Paving	Rollers	2	8.00	80	0.38
Building Construction	Cranes	1	7.00	226	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
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	1,001.00	456.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	200.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Site Preparation - 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					
Fugitive Dust											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	236.0500	236.0500	0.0723	0.0000	237.5688
Total											0.0000	236.0500	236.0500	0.0723	0.0000	237.5688

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
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	12.2373	12.2373	5.9000e-004	0.0000	12.2497
Total											0.0000	12.2373	12.2373	5.9000e-004	0.0000	12.2497

3.2 Site Preparation - 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					
Fugitive Dust											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	236.0497	236.0497	0.0723	0.0000	237.5686
Total											0.0000	236.0497	236.0497	0.0723	0.0000	237.5686

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
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	12.2373	12.2373	5.9000e-004	0.0000	12.2497
Total											0.0000	12.2373	12.2373	5.9000e-004	0.0000	12.2497

3.2 Site Preparation - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	35.7410	35.7410	0.0111	0.0000	35.9747
Total											0.0000	35.7410	35.7410	0.0111	0.0000	35.9747

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
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	1.8122	1.8122	8.0000e-005	0.0000	1.8139
Total											0.0000	1.8122	1.8122	8.0000e-005	0.0000	1.8139

3.2 Site Preparation - 2018

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
Off-Road											0.0000	35.7410	35.7410	0.0111	0.0000	35.9746
Total											0.0000	35.7410	35.7410	0.0111	0.0000	35.9746

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
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	1.8122	1.8122	8.0000e-005	0.0000	1.8139
Total											0.0000	1.8122	1.8122	8.0000e-005	0.0000	1.8139

3.3 Grading - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	679.1574	679.1574	0.2114	0.0000	683.5975
Total											0.0000	679.1574	679.1574	0.2114	0.0000	683.5975

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
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	24.2632	24.2632	1.1100e-003	0.0000	24.2865
Total											0.0000	24.2632	24.2632	1.1100e-003	0.0000	24.2865

3.3 Grading - 2018

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
Off-Road											0.0000	679.1566	679.1566	0.2114	0.0000	683.5967
Total											0.0000	679.1566	679.1566	0.2114	0.0000	683.5967

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
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	24.2632	24.2632	1.1100e-003	0.0000	24.2865
Total											0.0000	24.2632	24.2632	1.1100e-003	0.0000	24.2865

3.3 Grading - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	426.8949	426.8949	0.1351	0.0000	429.7312
Total											0.0000	426.8949	426.8949	0.1351	0.0000	429.7312

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
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	14.8934	14.8934	6.6000e-004	0.0000	14.9072
Total											0.0000	14.8934	14.8934	6.6000e-004	0.0000	14.9072

3.3 Grading - 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
Off-Road											0.0000	426.8944	426.8944	0.1351	0.0000	429.7307
Total											0.0000	426.8944	426.8944	0.1351	0.0000	429.7307

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
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	14.8934	14.8934	6.6000e-004	0.0000	14.9072
Total											0.0000	14.8934	14.8934	6.6000e-004	0.0000	14.9072

3.4 Paving - 2019

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											0.0000	107.2112	107.2112	0.0339	0.0000	107.9235
Paving											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total											0.0000	107.2112	107.2112	0.0339	0.0000	107.9235

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
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	7.7610	7.7610	3.4000e-004	0.0000	7.7682
Total											0.0000	7.7610	7.7610	3.4000e-004	0.0000	7.7682

3.4 Paving - 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					
Off-Road											0.0000	107.2110	107.2110	0.0339	0.0000	107.9234
Paving											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total											0.0000	107.2110	107.2110	0.0339	0.0000	107.9234

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
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	7.7610	7.7610	3.4000e-004	0.0000	7.7682
Total											0.0000	7.7610	7.7610	3.4000e-004	0.0000	7.7682

3.4 Paving - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road											0.0000	169.5578	169.5578	0.0548	0.0000	170.7094
Paving											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total											0.0000	169.5578	169.5578	0.0548	0.0000	170.7094

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
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	12.0504	12.0504	5.2000e-004	0.0000	12.0614
Total											0.0000	12.0504	12.0504	5.2000e-004	0.0000	12.0614

3.4 Paving - 2020

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											0.0000	169.5576	169.5576	0.0548	0.0000	170.7092
Paving											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total											0.0000	169.5576	169.5576	0.0548	0.0000	170.7092

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
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	12.0504	12.0504	5.2000e-004	0.0000	12.0614
Total											0.0000	12.0504	12.0504	5.2000e-004	0.0000	12.0614

3.5 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road											0.0000	102.6392	102.6392	0.0250	0.0000	103.1643
Total											0.0000	102.6392	102.6392	0.0250	0.0000	103.1643

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
Vendor											0.0000	373.1072	373.1072	2.8000e-003	0.0000	373.1659
Worker											0.0000	413.7027	413.7027	0.0180	0.0000	414.0800
Total											0.0000	786.8098	786.8098	0.0208	0.0000	787.2459

3.5 Building Construction - 2020

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											0.0000	102.6391	102.6391	0.0250	0.0000	103.1642
Total											0.0000	102.6391	102.6391	0.0250	0.0000	103.1642

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
Vendor											0.0000	373.1072	373.1072	2.8000e-003	0.0000	373.1659
Worker											0.0000	413.7027	413.7027	0.0180	0.0000	414.0800
Total											0.0000	786.8098	786.8098	0.0208	0.0000	787.2459

3.5 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road											0.0000	301.0339	301.0339	0.0725	0.0000	302.5568
Total											0.0000	301.0339	301.0339	0.0725	0.0000	302.5568

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
Vendor											0.0000	1,092.4269	1,092.4269	8.1200e-003	0.0000	1,092.5974
Worker											0.0000	1,192.7238	1,192.7238	0.0502	0.0000	1,193.7783
Total											0.0000	2,285.1507	2,285.1507	0.0583	0.0000	2,286.3757

3.5 Building Construction - 2021

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											0.0000	301.0335	301.0335	0.0725	0.0000	302.5565
Total											0.0000	301.0335	301.0335	0.0725	0.0000	302.5565

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
Vendor											0.0000	1,092.4269	1,092.4269	8.1200e-003	0.0000	1,092.5974
Worker											0.0000	1,192.7238	1,192.7238	0.0502	0.0000	1,193.7783
Total											0.0000	2,285.1507	2,285.1507	0.0583	0.0000	2,286.3757

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											0.0000	299.9946	299.9946	0.0718	0.0000	301.5017
Total											0.0000	299.9946	299.9946	0.0718	0.0000	301.5017

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
Vendor											0.0000	1,087.4785	1,087.4785	8.2000e-003	0.0000	1,087.6508
Worker											0.0000	1,169.6756	1,169.6756	0.0479	0.0000	1,170.6814
Total											0.0000	2,257.1541	2,257.1541	0.0561	0.0000	2,258.3322

3.5 Building Construction - 2022

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											0.0000	299.9943	299.9943	0.0718	0.0000	301.5013
Total											0.0000	299.9943	299.9943	0.0718	0.0000	301.5013

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
Vendor											0.0000	1,087.4785	1,087.4785	8.2000e-003	0.0000	1,087.6508
Worker											0.0000	1,169.6756	1,169.6756	0.0479	0.0000	1,170.6814
Total											0.0000	2,257.1541	2,257.1541	0.0561	0.0000	2,258.3322

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											0.0000	300.0980	300.0980	0.0713	0.0000	301.5949
Total											0.0000	300.0980	300.0980	0.0713	0.0000	301.5949

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
Vendor											0.0000	1,086.0388	1,086.0388	7.7700e-003	0.0000	1,086.2019
Worker											0.0000	1,152.9963	1,152.9963	0.0460	0.0000	1,153.9628
Total											0.0000	2,239.0351	2,239.0351	0.0538	0.0000	2,240.1647

3.5 Building Construction - 2023

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											0.0000	300.0976	300.0976	0.0713	0.0000	301.5946
Total											0.0000	300.0976	300.0976	0.0713	0.0000	301.5946

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
Vendor											0.0000	1,086.0388	1,086.0388	7.7700e-003	0.0000	1,086.2019
Worker											0.0000	1,152.9963	1,152.9963	0.0460	0.0000	1,153.9628
Total											0.0000	2,239.0351	2,239.0351	0.0538	0.0000	2,240.1647

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											0.0000	302.4646	302.4646	0.0714	0.0000	303.9643
Total											0.0000	302.4646	302.4646	0.0714	0.0000	303.9643

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
Vendor											0.0000	1,094.7843	1,094.7843	7.8500e-003	0.0000	1,094.9492
Worker											0.0000	1,146.9482	1,146.9482	0.0448	0.0000	1,147.8885
Total											0.0000	2,241.7325	2,241.7325	0.0526	0.0000	2,242.8377

3.5 Building Construction - 2024

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											0.0000	302.4642	302.4642	0.0714	0.0000	303.9639
Total											0.0000	302.4642	302.4642	0.0714	0.0000	303.9639

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
Vendor											0.0000	1,094.7843	1,094.7843	7.8500e-003	0.0000	1,094.9492
Worker											0.0000	1,146.9482	1,146.9482	0.0448	0.0000	1,147.8885
Total											0.0000	2,241.7325	2,241.7325	0.0526	0.0000	2,242.8377

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											0.0000	301.4019	301.4019	0.0707	0.0000	302.8874
Total											0.0000	301.4019	301.4019	0.0707	0.0000	302.8874

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
Vendor											0.0000	1,090.8825	1,090.8825	7.8400e-003	0.0000	1,091.0472
Worker											0.0000	1,129.5149	1,129.5149	0.0433	0.0000	1,130.4232
Total											0.0000	2,220.3974	2,220.3974	0.0511	0.0000	2,221.4705

3.5 Building Construction - 2025

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											0.0000	301.4015	301.4015	0.0707	0.0000	302.8871
Total											0.0000	301.4015	301.4015	0.0707	0.0000	302.8871

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
Vendor											0.0000	1,090.8825	1,090.8825	7.8400e-003	0.0000	1,091.0472
Worker											0.0000	1,129.5149	1,129.5149	0.0433	0.0000	1,130.4232
Total											0.0000	2,220.3974	2,220.3974	0.0511	0.0000	2,221.4705

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											0.0000	301.4019	301.4019	0.0707	0.0000	302.8874
Total											0.0000	301.4019	301.4019	0.0707	0.0000	302.8874

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
Vendor											0.0000	1,091.1594	1,091.1594	7.8500e-003	0.0000	1,091.3242
Worker											0.0000	1,118.2734	1,118.2734	0.0421	0.0000	1,119.1577
Total											0.0000	2,209.4327	2,209.4327	0.0500	0.0000	2,210.4819

3.5 Building Construction - 2026

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											0.0000	301.4015	301.4015	0.0707	0.0000	302.8871
Total											0.0000	301.4015	301.4015	0.0707	0.0000	302.8871

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
Vendor											0.0000	1,091.1594	1,091.1594	7.8500e-003	0.0000	1,091.3242
Worker											0.0000	1,118.2734	1,118.2734	0.0421	0.0000	1,119.1577
Total											0.0000	2,209.4327	2,209.4327	0.0500	0.0000	2,210.4819

3.5 Building Construction - 2027

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											0.0000	301.4019	301.4019	0.0707	0.0000	302.8874
Total											0.0000	301.4019	301.4019	0.0707	0.0000	302.8874

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
Vendor											0.0000	1,091.4582	1,091.4582	7.8600e-003	0.0000	1,091.6234
Worker											0.0000	1,108.4928	1,108.4928	0.0411	0.0000	1,109.3556
Total											0.0000	2,199.9510	2,199.9510	0.0489	0.0000	2,200.9789

3.5 Building Construction - 2027

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											0.0000	301.4015	301.4015	0.0707	0.0000	302.8871
Total											0.0000	301.4015	301.4015	0.0707	0.0000	302.8871

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
Vendor											0.0000	1,091.4582	1,091.4582	7.8600e-003	0.0000	1,091.6234
Worker											0.0000	1,108.4928	1,108.4928	0.0411	0.0000	1,109.3556
Total											0.0000	2,199.9510	2,199.9510	0.0489	0.0000	2,200.9789

3.5 Building Construction - 2028

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											0.0000	300.2471	300.2471	0.0705	0.0000	301.7269
Total											0.0000	300.2471	300.2471	0.0705	0.0000	301.7269

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
Vendor											0.0000	1,087.5224	1,087.5224	7.8400e-003	0.0000	1,087.6870
Worker											0.0000	1,095.8560	1,095.8560	0.0400	0.0000	1,096.6960
Total											0.0000	2,183.3783	2,183.3783	0.0478	0.0000	2,184.3830

3.5 Building Construction - 2028

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											0.0000	300.2467	300.2467	0.0705	0.0000	301.7266
Total											0.0000	300.2467	300.2467	0.0705	0.0000	301.7266

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
Vendor											0.0000	1,087.5224	1,087.5224	7.8400e-003	0.0000	1,087.6870
Worker											0.0000	1,095.8560	1,095.8560	0.0400	0.0000	1,096.6960
Total											0.0000	2,183.3783	2,183.3783	0.0478	0.0000	2,184.3830

3.5 Building Construction - 2029

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											0.0000	301.4019	301.4019	0.0707	0.0000	302.8874
Total											0.0000	301.4019	301.4019	0.0707	0.0000	302.8874

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
Vendor											0.0000	1,091.9140	1,091.9140	7.8800e-003	0.0000	1,092.0794
Worker											0.0000	1,092.8313	1,092.8313	0.0393	0.0000	1,093.6558
Total											0.0000	2,184.7453	2,184.7453	0.0471	0.0000	2,185.7352

3.5 Building Construction - 2029

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											0.0000	301.4015	301.4015	0.0707	0.0000	302.8871
Total											0.0000	301.4015	301.4015	0.0707	0.0000	302.8871

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
Vendor											0.0000	1,091.9140	1,091.9140	7.8800e-003	0.0000	1,092.0794
Worker											0.0000	1,092.8313	1,092.8313	0.0393	0.0000	1,093.6558
Total											0.0000	2,184.7453	2,184.7453	0.0471	0.0000	2,185.7352

3.5 Building Construction - 2030

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											0.0000	341.5281	341.5281	0.0137	0.0000	341.8160
Total											0.0000	341.5281	341.5281	0.0137	0.0000	341.8160

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
Vendor											0.0000	1,092.0285	1,092.0285	7.8800e-003	0.0000	1,092.1940
Worker											0.0000	1,086.7190	1,086.7190	0.0385	0.0000	1,087.5268
Total											0.0000	2,178.7476	2,178.7476	0.0464	0.0000	2,179.7208

3.5 Building Construction - 2030

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											0.0000	341.5277	341.5277	0.0137	0.0000	341.8156
Total											0.0000	341.5277	341.5277	0.0137	0.0000	341.8156

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
Vendor											0.0000	1,092.0285	1,092.0285	7.8800e-003	0.0000	1,092.1940
Worker											0.0000	1,086.7190	1,086.7190	0.0385	0.0000	1,087.5268
Total											0.0000	2,178.7476	2,178.7476	0.0464	0.0000	2,179.7208

3.5 Building Construction - 2031

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											0.0000	341.5281	341.5281	0.0137	0.0000	341.8160
Total											0.0000	341.5281	341.5281	0.0137	0.0000	341.8160

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
Vendor											0.0000	1,092.2810	1,092.2810	7.8900e-003	0.0000	1,092.4466
Worker											0.0000	1,081.5753	1,081.5753	0.0377	0.0000	1,082.3675
Total											0.0000	2,173.8563	2,173.8563	0.0456	0.0000	2,174.8142

3.5 Building Construction - 2031

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											0.0000	341.5277	341.5277	0.0137	0.0000	341.8156
Total											0.0000	341.5277	341.5277	0.0137	0.0000	341.8156

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
Vendor											0.0000	1,092.2810	1,092.2810	7.8900e-003	0.0000	1,092.4466
Worker											0.0000	1,081.5753	1,081.5753	0.0377	0.0000	1,082.3675
Total											0.0000	2,173.8563	2,173.8563	0.0456	0.0000	2,174.8142

3.5 Building Construction - 2032

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											0.0000	342.8367	342.8367	0.0138	0.0000	343.1257
Total											0.0000	342.8367	342.8367	0.0138	0.0000	343.1257

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
Vendor											0.0000	1,096.7327	1,096.7327	7.9200e-003	0.0000	1,096.8991
Worker											0.0000	1,081.3996	1,081.3996	0.0372	0.0000	1,082.1810
Total											0.0000	2,178.1323	2,178.1323	0.0451	0.0000	2,179.0801

3.5 Building Construction - 2032

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											0.0000	342.8363	342.8363	0.0138	0.0000	343.1252
Total											0.0000	342.8363	342.8363	0.0138	0.0000	343.1252

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
Vendor											0.0000	1,096.7327	1,096.7327	7.9200e-003	0.0000	1,096.8991
Worker											0.0000	1,081.3996	1,081.3996	0.0372	0.0000	1,082.1810
Total											0.0000	2,178.1323	2,178.1323	0.0451	0.0000	2,179.0801

3.5 Building Construction - 2033

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											0.0000	340.2196	340.2196	0.0137	0.0000	340.5064
Total											0.0000	340.2196	340.2196	0.0137	0.0000	340.5064

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
Vendor											0.0000	1,088.5794	1,088.5794	7.8700e-003	0.0000	1,088.7446
Worker											0.0000	1,069.5939	1,069.5939	0.0364	0.0000	1,070.3578
Total											0.0000	2,158.1734	2,158.1734	0.0442	0.0000	2,159.1024

3.5 Building Construction - 2033

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											0.0000	340.2192	340.2192	0.0137	0.0000	340.5060
Total											0.0000	340.2192	340.2192	0.0137	0.0000	340.5060

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
Vendor											0.0000	1,088.5794	1,088.5794	7.8700e-003	0.0000	1,088.7446
Worker											0.0000	1,069.5939	1,069.5939	0.0364	0.0000	1,070.3578
Total											0.0000	2,158.1734	2,158.1734	0.0442	0.0000	2,159.1024

3.5 Building Construction - 2034

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											0.0000	340.2196	340.2196	0.0137	0.0000	340.5064
Total											0.0000	340.2196	340.2196	0.0137	0.0000	340.5064

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
Vendor											0.0000	1,088.7788	1,088.7788	7.8700e-003	0.0000	1,088.9440
Worker											0.0000	1,066.5929	1,066.5929	0.0359	0.0000	1,067.3459
Total											0.0000	2,155.3717	2,155.3717	0.0437	0.0000	2,156.2899

3.5 Building Construction - 2034

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											0.0000	340.2192	340.2192	0.0137	0.0000	340.5060
Total											0.0000	340.2192	340.2192	0.0137	0.0000	340.5060

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
Vendor											0.0000	1,088.7788	1,088.7788	7.8700e-003	0.0000	1,088.9440
Worker											0.0000	1,066.5929	1,066.5929	0.0359	0.0000	1,067.3459
Total											0.0000	2,155.3717	2,155.3717	0.0437	0.0000	2,156.2899

3.5 Building Construction - 2035

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											0.0000	157.0244	157.0244	5.8500e-003	0.0000	157.1473
Total											0.0000	157.0244	157.0244	5.8500e-003	0.0000	157.1473

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
Vendor											0.0000	502.5800	502.5800	3.6300e-003	0.0000	502.6562
Worker											0.0000	491.1252	491.1252	0.0163	0.0000	491.4683
Total											0.0000	993.7052	993.7052	0.0200	0.0000	994.1246

3.5 Building Construction - 2035

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											0.0000	157.0242	157.0242	5.8500e-003	0.0000	157.1471
Total											0.0000	157.0242	157.0242	5.8500e-003	0.0000	157.1471

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
Vendor											0.0000	502.5800	502.5800	3.6300e-003	0.0000	502.6562
Worker											0.0000	491.1252	491.1252	0.0163	0.0000	491.4683
Total											0.0000	993.7052	993.7052	0.0200	0.0000	994.1246

3.6 Architectural Coating - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	10.0854	10.0854	7.8000e-004	0.0000	10.1018
Total											0.0000	10.0854	10.0854	7.8000e-004	0.0000	10.1018

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
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	73.3705	73.3705	3.1900e-003	0.0000	73.4374
Total											0.0000	73.3705	73.3705	3.1900e-003	0.0000	73.4374

3.6 Architectural Coating - 2020

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											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	10.0853	10.0853	7.8000e-004	0.0000	10.1017
Total											0.0000	10.0853	10.0853	7.8000e-004	0.0000	10.1017

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
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	73.3705	73.3705	3.1900e-003	0.0000	73.4374
Total											0.0000	73.3705	73.3705	3.1900e-003	0.0000	73.4374

3.6 Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.3200	33.3200	2.2900e-003	0.0000	33.3680
Total											0.0000	33.3200	33.3200	2.2900e-003	0.0000	33.3680

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
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	238.3065	238.3065	0.0100	0.0000	238.5171
Total											0.0000	238.3065	238.3065	0.0100	0.0000	238.5171

3.6 Architectural Coating - 2021

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											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.3199	33.3199	2.2900e-003	0.0000	33.3679
Total											0.0000	33.3199	33.3199	2.2900e-003	0.0000	33.3679

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
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	238.3065	238.3065	0.0100	0.0000	238.5171
Total											0.0000	238.3065	238.3065	0.0100	0.0000	238.5171

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											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.1923	33.1923	2.1600e-003	0.0000	33.2377
Total											0.0000	33.1923	33.1923	2.1600e-003	0.0000	33.2377

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
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	233.7014	233.7014	9.5700e-003	0.0000	233.9024
Total											0.0000	233.7014	233.7014	9.5700e-003	0.0000	233.9024

3.6 Architectural Coating - 2022

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											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.1923	33.1923	2.1600e-003	0.0000	33.2376
Total											0.0000	33.1923	33.1923	2.1600e-003	0.0000	33.2376

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
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	233.7014	233.7014	9.5700e-003	0.0000	233.9024
Total											0.0000	233.7014	233.7014	9.5700e-003	0.0000	233.9024

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											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.1923	33.1923	1.9900e-003	0.0000	33.2340
Total											0.0000	33.1923	33.1923	1.9900e-003	0.0000	33.2340

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
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	230.3689	230.3689	9.2000e-003	0.0000	230.5620
Total											0.0000	230.3689	230.3689	9.2000e-003	0.0000	230.5620

3.6 Architectural Coating - 2023

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											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.1923	33.1923	1.9900e-003	0.0000	33.2340
Total											0.0000	33.1923	33.1923	1.9900e-003	0.0000	33.2340

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
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	230.3689	230.3689	9.2000e-003	0.0000	230.5620
Total											0.0000	230.3689	230.3689	9.2000e-003	0.0000	230.5620

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											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.4476	33.4476	1.8800e-003	0.0000	33.4872
Total											0.0000	33.4476	33.4476	1.8800e-003	0.0000	33.4872

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
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	229.1605	229.1605	8.9500e-003	0.0000	229.3483
Total											0.0000	229.1605	229.1605	8.9500e-003	0.0000	229.3483

3.6 Architectural Coating - 2024

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											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.4476	33.4476	1.8800e-003	0.0000	33.4871
Total											0.0000	33.4476	33.4476	1.8800e-003	0.0000	33.4871

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
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	229.1605	229.1605	8.9500e-003	0.0000	229.3483
Total											0.0000	229.1605	229.1605	8.9500e-003	0.0000	229.3483

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											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.3200	33.3200	1.8200e-003	0.0000	33.3581
Total											0.0000	33.3200	33.3200	1.8200e-003	0.0000	33.3581

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
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	225.6773	225.6773	8.6400e-003	0.0000	225.8588
Total											0.0000	225.6773	225.6773	8.6400e-003	0.0000	225.8588

3.6 Architectural Coating - 2025

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											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.3199	33.3199	1.8200e-003	0.0000	33.3581
Total											0.0000	33.3199	33.3199	1.8200e-003	0.0000	33.3581

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
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	225.6773	225.6773	8.6400e-003	0.0000	225.8588
Total											0.0000	225.6773	225.6773	8.6400e-003	0.0000	225.8588

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											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.3200	33.3200	1.8200e-003	0.0000	33.3581
Total											0.0000	33.3200	33.3200	1.8200e-003	0.0000	33.3581

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
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	223.4312	223.4312	8.4100e-003	0.0000	223.6079
Total											0.0000	223.4312	223.4312	8.4100e-003	0.0000	223.6079

3.6 Architectural Coating - 2026

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											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.3199	33.3199	1.8200e-003	0.0000	33.3581
Total											0.0000	33.3199	33.3199	1.8200e-003	0.0000	33.3581

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
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	223.4312	223.4312	8.4100e-003	0.0000	223.6079
Total											0.0000	223.4312	223.4312	8.4100e-003	0.0000	223.6079

3.6 Architectural Coating - 2027

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											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.3200	33.3200	1.8200e-003	0.0000	33.3581
Total											0.0000	33.3200	33.3200	1.8200e-003	0.0000	33.3581

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
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	221.4771	221.4771	8.2100e-003	0.0000	221.6495
Total											0.0000	221.4771	221.4771	8.2100e-003	0.0000	221.6495

3.6 Architectural Coating - 2027

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											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.3199	33.3199	1.8200e-003	0.0000	33.3581
Total											0.0000	33.3199	33.3199	1.8200e-003	0.0000	33.3581

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
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	221.4771	221.4771	8.2100e-003	0.0000	221.6495
Total											0.0000	221.4771	221.4771	8.2100e-003	0.0000	221.6495

3.6 Architectural Coating - 2028

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											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.1923	33.1923	1.8100e-003	0.0000	33.2303
Total											0.0000	33.1923	33.1923	1.8100e-003	0.0000	33.2303

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
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	218.9522	218.9522	7.9900e-003	0.0000	219.1201
Total											0.0000	218.9522	218.9522	7.9900e-003	0.0000	219.1201

3.6 Architectural Coating - 2028

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											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.1923	33.1923	1.8100e-003	0.0000	33.2303
Total											0.0000	33.1923	33.1923	1.8100e-003	0.0000	33.2303

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
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	218.9522	218.9522	7.9900e-003	0.0000	219.1201
Total											0.0000	218.9522	218.9522	7.9900e-003	0.0000	219.1201

3.6 Architectural Coating - 2029

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											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.3200	33.3200	1.8200e-003	0.0000	33.3581
Total											0.0000	33.3200	33.3200	1.8200e-003	0.0000	33.3581

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
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	218.3479	218.3479	7.8400e-003	0.0000	218.5127
Total											0.0000	218.3479	218.3479	7.8400e-003	0.0000	218.5127

3.6 Architectural Coating - 2029

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											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.3199	33.3199	1.8200e-003	0.0000	33.3581
Total											0.0000	33.3199	33.3199	1.8200e-003	0.0000	33.3581

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
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	218.3479	218.3479	7.8400e-003	0.0000	218.5127
Total											0.0000	218.3479	218.3479	7.8400e-003	0.0000	218.5127

3.6 Architectural Coating - 2030

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											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.3200	33.3200	1.3500e-003	0.0000	33.3483
Total											0.0000	33.3200	33.3200	1.3500e-003	0.0000	33.3483

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
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	217.1267	217.1267	7.6900e-003	0.0000	217.2881
Total											0.0000	217.1267	217.1267	7.6900e-003	0.0000	217.2881

3.6 Architectural Coating - 2030

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											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.3199	33.3199	1.3500e-003	0.0000	33.3482
Total											0.0000	33.3199	33.3199	1.3500e-003	0.0000	33.3482

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
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	217.1267	217.1267	7.6900e-003	0.0000	217.2881
Total											0.0000	217.1267	217.1267	7.6900e-003	0.0000	217.2881

3.6 Architectural Coating - 2031

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											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.3200	33.3200	1.3500e-003	0.0000	33.3483
Total											0.0000	33.3200	33.3200	1.3500e-003	0.0000	33.3483

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
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	216.0990	216.0990	7.5400e-003	0.0000	216.2573
Total											0.0000	216.0990	216.0990	7.5400e-003	0.0000	216.2573

3.6 Architectural Coating - 2031

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											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.3199	33.3199	1.3500e-003	0.0000	33.3482
Total											0.0000	33.3199	33.3199	1.3500e-003	0.0000	33.3482

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
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	216.0990	216.0990	7.5400e-003	0.0000	216.2573
Total											0.0000	216.0990	216.0990	7.5400e-003	0.0000	216.2573

3.6 Architectural Coating - 2032

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											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.4476	33.4476	1.3500e-003	0.0000	33.4761
Total											0.0000	33.4476	33.4476	1.3500e-003	0.0000	33.4761

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
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	216.0639	216.0639	7.4300e-003	0.0000	216.2200
Total											0.0000	216.0639	216.0639	7.4300e-003	0.0000	216.2200

3.6 Architectural Coating - 2032

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											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.4476	33.4476	1.3500e-003	0.0000	33.4760
Total											0.0000	33.4476	33.4476	1.3500e-003	0.0000	33.4760

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
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	216.0639	216.0639	7.4300e-003	0.0000	216.2200
Total											0.0000	216.0639	216.0639	7.4300e-003	0.0000	216.2200

3.6 Architectural Coating - 2033

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											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.1923	33.1923	1.3400e-003	0.0000	33.2205
Total											0.0000	33.1923	33.1923	1.3400e-003	0.0000	33.2205

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
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	213.7051	213.7051	7.2700e-003	0.0000	213.8577
Total											0.0000	213.7051	213.7051	7.2700e-003	0.0000	213.8577

3.6 Architectural Coating - 2033

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											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.1923	33.1923	1.3400e-003	0.0000	33.2205
Total											0.0000	33.1923	33.1923	1.3400e-003	0.0000	33.2205

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
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	213.7051	213.7051	7.2700e-003	0.0000	213.8577
Total											0.0000	213.7051	213.7051	7.2700e-003	0.0000	213.8577

3.6 Architectural Coating - 2034

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											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.1923	33.1923	1.3400e-003	0.0000	33.2205
Total											0.0000	33.1923	33.1923	1.3400e-003	0.0000	33.2205

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
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	213.1055	213.1055	7.1600e-003	0.0000	213.2559
Total											0.0000	213.1055	213.1055	7.1600e-003	0.0000	213.2559

3.6 Architectural Coating - 2034

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											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.1923	33.1923	1.3400e-003	0.0000	33.2205
Total											0.0000	33.1923	33.1923	1.3400e-003	0.0000	33.2205

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
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	213.1055	213.1055	7.1600e-003	0.0000	213.2559
Total											0.0000	213.1055	213.1055	7.1600e-003	0.0000	213.2559

3.6 Architectural Coating - 2035

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											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	16.5962	16.5962	6.1000e-004	0.0000	16.6090
Total											0.0000	16.5962	16.5962	6.1000e-004	0.0000	16.6090

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
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	106.3042	106.3042	3.5400e-003	0.0000	106.3784
Total											0.0000	106.3042	106.3042	3.5400e-003	0.0000	106.3784

3.6 Architectural Coating - 2035

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											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	16.5961	16.5961	6.1000e-004	0.0000	16.6090
Total											0.0000	16.5961	16.5961	6.1000e-004	0.0000	16.6090

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
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	106.3042	106.3042	3.5400e-003	0.0000	106.3784
Total											0.0000	106.3042	106.3042	3.5400e-003	0.0000	106.3784

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											0.0000	27,819.51 27	27,819.51 27	9.0966	0.0000	28,010.54 13
Unmitigated											0.0000	27,819.51 27	27,819.51 27	9.0966	0.0000	28,010.54 13

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Hotel	1,225.50	1,228.50	892.50	2,340,767	2,340,767
Manufacturing	3,376.88	1,317.16	548.08	10,408,376	10,408,376
Regional Shopping Center	4,294.00	4,997.00	2524.00	7,409,861	7,409,861
Regional Shopping Center	1,080.37	1,257.25	635.04	1,864,321	1,864,321
Research & Development	12,246.10	2,869.00	1676.10	27,095,907	27,095,907
Research & Development	372.25	87.21	50.95	823,644	823,644
Total	22,595.10	11,756.12	6,326.67	49,942,875	49,942,875

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
Hotel	14.93	6.43	6.43	19.40	61.60	19.00	58	38	4
Manufacturing	14.93	6.43	6.43	59.00	28.00	13.00	92	5	3
Regional Shopping Center	14.93	6.43	6.43	16.30	64.70	19.00	54	35	11
Regional Shopping Center	14.93	6.43	6.43	16.30	64.70	19.00	54	35	11
Research & Development	14.93	6.43	6.43	33.00	48.00	19.00	82	15	3
Research & Development	14.93	6.43	6.43	33.00	48.00	19.00	82	15	3

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.485454	0.159395	0.174393	0.034362	0.020185	0.014124	0.047188	0.051841	0.000576	0.000729	0.007066	0.001454	0.003233

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: Y

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	7,515.3974	7,515.3974	0.3398	0.0703	7,544.3294
Electricity Unmitigated											0.0000	7,515.3974	7,515.3974	0.3398	0.0703	7,544.3294
NaturalGas Mitigated											0.0000	2,962.0634	2,962.0634	0.0568	0.0543	2,980.0900
NaturalGas Unmitigated											0.0000	2,962.0634	2,962.0634	0.0568	0.0543	2,980.0900

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					
Hotel	6.12236e+006											0.0000	326.7123	326.7123	6.2600e-003	5.9900e-003	328.7007
Manufacturing	1.73352e+007											0.0000	925.0744	925.0744	0.0177	0.0170	930.7043
Regional Shopping Center	1.229e+006											0.0000	65.5841	65.5841	1.2600e-003	1.2000e-003	65.9833
Regional Shopping Center	309155											0.0000	16.4977	16.4977	3.2000e-004	3.0000e-004	16.5981
Research & Development	2.96111e+007											0.0000	1,580.1611	1,580.1611	0.0303	0.0290	1,589.7777
Research & Development	900119											0.0000	48.0338	48.0338	9.2000e-004	8.8000e-004	48.3261
Total												0.0000	2,962.0634	2,962.0634	0.0568	0.0543	2,980.0900

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					
Manufacturing	1.73352e+007											0.0000	925.0744	925.0744	0.0177	0.0170	930.7043
Regional Shopping Center	1.229e+006											0.0000	65.5841	65.5841	1.2600e-003	1.2000e-003	65.9833
Regional Shopping Center	309155											0.0000	16.4977	16.4977	3.2000e-004	3.0000e-004	16.5981
Research & Development	2.96111e+007											0.0000	1,580.1611	1,580.1611	0.0303	0.0290	1,589.7777
Research & Development	900119											0.0000	48.0338	48.0338	9.2000e-004	8.8000e-004	48.3261
Hotel	6.12236e+006											0.0000	326.7123	326.7123	6.2600e-003	5.9900e-003	328.7007
Total												0.0000	2,962.0634	2,962.0634	0.0568	0.0543	2,980.0900

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Hotel	1.63786e+006	476.4711	0.0215	4.4600e-003	478.3054
Manufacturing	8.15932e+006	2,373.6398	0.1073	0.0222	2,382.7775
Regional Shopping Center	1.339e+006	389.5305	0.0176	3.6400e-003	391.0300
Regional Shopping Center	336825	97.9864	4.4300e-003	9.2000e-004	98.3636
Research & Development	1.39373e+007	4,054.5204	0.1833	0.0379	4,070.1290
Research & Development	423666	123.2494	5.5700e-003	1.1500e-003	123.7238
Total		7,515.3974	0.3398	0.0703	7,544.3294

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Hotel	1.63786e+006	476.4711	0.0215	4.4600e-003	478.3054
Manufacturing	8.15932e+006	2,373.6398	0.1073	0.0222	2,382.7775
Regional Shopping Center	1.339e+006	389.5305	0.0176	3.6400e-003	391.0300
Regional Shopping Center	336825	97.9864	4.4300e-003	9.2000e-004	98.3636
Research & Development	1.39373e+007	4,054.5204	0.1833	0.0379	4,070.1290
Research & Development	423666	123.2494	5.5700e-003	1.1500e-003	123.7238
Total		7,515.3974	0.3398	0.0703	7,544.3294

6.0 Area Detail

6.1 Mitigation Measures Area

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											0.0000	0.0485	0.0485	9.1000e-004	0.0000	0.0677
Unmitigated											0.0000	0.0485	0.0485	9.1000e-004	0.0000	0.0677

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
Consumer Products											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping											0.0000	0.0485	0.0485	9.1000e-004	0.0000	0.0677
Total											0.0000	0.0485	0.0485	9.1000e-004	0.0000	0.0677

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
Consumer Products											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping											0.0000	0.0485	0.0485	9.1000e-004	0.0000	0.0677
Total											0.0000	0.0485	0.0485	9.1000e-004	0.0000	0.0677

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	1,864.5448	32.0801	0.7693	2,776.7021
Unmitigated	1,864.5448	32.0859	0.7705	2,777.1994

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Hotel	3.80502 / 0.422779	7.6272	0.1243	2.9900e- 003	11.1632
Manufacturing	204.425 / 0	386.6445	6.6757	0.1603	576.5267
Regional Shopping Center	9.27092 / 5.68217	23.3203	0.3030	7.3200e- 003	31.9540
Research & Development	765.027 / 0	1,446.952 8	24.9829	0.5999	2,157.555 5
Total		1,864.544 8	32.0859	0.7705	2,777.199 4

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Hotel	3.80502 / 0.422779	7.6272	0.1243	2.9800e- 003	11.1612
Manufacturing	204.425 / 0	386.6445	6.6745	0.1600	576.4233
Regional Shopping Center	9.27092 / 5.68217	23.3203	0.3030	7.3100e- 003	31.9493
Research & Development	765.027 / 0	1,446.952 8	24.9783	0.5989	2,157.168 3
Total		1,864.544 8	32.0801	0.7693	2,776.702 1

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	289.8610	17.1303	0.0000	649.5971
Unmitigated	289.8610	17.1303	0.0000	649.5971

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Hotel	82.13	16.6717	0.9853	0.0000	37.3622
Manufacturing	1096.16	222.5106	13.1500	0.0000	498.6605
Regional Shopping Center	131.42	26.6771	1.5766	0.0000	59.7850
Research & Development	118.24	24.0017	1.4185	0.0000	53.7893
Total		289.8609	17.1303	0.0000	649.5971

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Hotel	82.13	16.6717	0.9853	0.0000	37.3622
Manufacturing	1096.16	222.5106	13.1500	0.0000	498.6605
Regional Shopping Center	131.42	26.6771	1.5766	0.0000	59.7850
Research & Development	118.24	24.0017	1.4185	0.0000	53.7893
Total		289.8609	17.1303	0.0000	649.5971

9.0 Operational Offroad

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

Mace Ranch Innovation Center - GHG - 1990 Levels
Yolo County, Mitigation Report

Construction Mitigation Summary

Phase	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Architectural Coating	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Building Construction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Site Preparation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

OFFROAD Equipment Mitigation

Equipment Type	Fuel Type	Tier	Number Mitigated	Total Number of Equipment	DPF	Oxidation Catalyst
Air Compressors	Diesel	No Change	0	1	No Change	0.00
Cranes	Diesel	No Change	0	1	No Change	0.00
Excavators	Diesel	No Change	0	2	No Change	0.00
Forklifts	Diesel	No Change	0	3	No Change	0.00
Generator Sets	Diesel	No Change	0	1	No Change	0.00
Graders	Diesel	No Change	0	1	No Change	0.00
Pavers	Diesel	No Change	0	2	No Change	0.00
Paving Equipment	Diesel	No Change	0	2	No Change	0.00
Rollers	Diesel	No Change	0	2	No Change	0.00
Rubber Tired Dozers	Diesel	No Change	0	4	No Change	0.00
Scrapers	Diesel	No Change	0	2	No Change	0.00
Tractors/Loaders/Backhoes	Diesel	No Change	0	9	No Change	0.00
Welders	Diesel	No Change	0	1	No Change	0.00

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Unmitigated tons/yr							Unmitigated mt/yr					
Air Compressors							0.00000E+000	4.92778E+002	4.92778E+002	2.55300E-002	0.00000E+000	4.93314E+002
Cranes							0.00000E+000	8.99855E+002	8.99855E+002	1.83910E-001	0.00000E+000	9.03718E+002
Excavators							0.00000E+000	1.89689E+002	1.89689E+002	5.94200E-002	0.00000E+000	1.90937E+002
Forklifts							0.00000E+000	8.36415E+002	8.36415E+002	1.73860E-001	0.00000E+000	8.40066E+002
Generator Sets							0.00000E+000	1.09085E+003	1.09085E+003	3.97300E-002	0.00000E+000	1.09168E+003
Graders							0.00000E+000	1.11393E+002	1.11393E+002	3.49000E-002	0.00000E+000	1.12126E+002
Pavers							0.00000E+000	1.12151E+002	1.12151E+002	3.59700E-002	0.00000E+000	1.12906E+002
Paving Equipment							0.00000E+000	9.95368E+001	9.95368E+001	3.19200E-002	0.00000E+000	1.00207E+002
Rollers							0.00000E+000	6.50811E+001	6.50811E+001	2.08700E-002	0.00000E+000	6.55194E+001
Rubber Tired Dozers							0.00000E+000	3.44967E+002	3.44967E+002	1.06910E-001	0.00000E+000	3.47213E+002
Scrapers							0.00000E+000	5.34027E+002	5.34027E+002	1.67300E-001	0.00000E+000	5.37540E+002
Tractors/Loaders/Backhoes							0.00000E+000	1.68282E+003	1.68282E+003	3.70120E-001	0.00000E+000	1.69059E+003
Welders							0.00000E+000	3.63266E+002	3.63266E+002	3.35600E-002	0.00000E+000	3.63971E+002

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Mitigated tons/yr							Mitigated mt/yr					
Air Compressors							0.00000E+000	4.92777E+002	4.92777E+002	2.55300E-002	0.00000E+000	4.93314E+002
Cranes							0.00000E+000	8.99854E+002	8.99854E+002	1.83910E-001	0.00000E+000	9.03717E+002
Excavators							0.00000E+000	1.89689E+002	1.89689E+002	5.94200E-002	0.00000E+000	1.90937E+002
Forklifts							0.00000E+000	8.36414E+002	8.36414E+002	1.73860E-001	0.00000E+000	8.40065E+002
Generator Sets							0.00000E+000	1.09085E+003	1.09085E+003	3.97300E-002	0.00000E+000	1.09168E+003
Graders							0.00000E+000	1.11393E+002	1.11393E+002	3.49000E-002	0.00000E+000	1.12126E+002
Pavers							0.00000E+000	1.12151E+002	1.12151E+002	3.59700E-002	0.00000E+000	1.12906E+002
Paving Equipment							0.00000E+000	9.95367E+001	9.95367E+001	3.19200E-002	0.00000E+000	1.00207E+002
Rollers							0.00000E+000	6.50810E+001	6.50810E+001	2.08700E-002	0.00000E+000	6.55193E+001
Rubber Tired Dozers							0.00000E+000	3.44967E+002	3.44967E+002	1.06910E-001	0.00000E+000	3.47212E+002
Scrapers							0.00000E+000	5.34026E+002	5.34026E+002	1.67300E-001	0.00000E+000	5.37540E+002
Tractors/Loaders/Backhoes							0.00000E+000	1.68282E+003	1.68282E+003	3.70120E-001	0.00000E+000	1.69059E+003
Welders							0.00000E+000	3.63265E+002	3.63265E+002	3.35600E-002	0.00000E+000	3.63970E+002

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Air Compressors	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.17700E-006	1.17700E-006	0.00000E+000	0.00000E+000	1.19599E-006
Cranes	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.18908E-006	1.18908E-006	0.00000E+000	0.00000E+000	1.19506E-006
Excavators	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.21251E-006	1.21251E-006	0.00000E+000	0.00000E+000	1.20459E-006
Forklifts	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.18362E-006	1.18362E-006	0.00000E+000	0.00000E+000	1.19038E-006
Generator Sets	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.19173E-006	1.19173E-006	0.00000E+000	0.00000E+000	1.19082E-006
Graders	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.16704E-006	1.16704E-006	0.00000E+000	0.00000E+000	1.24859E-006
Pavers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.15915E-006	1.15915E-006	0.00000E+000	0.00000E+000	1.15140E-006
Paving Equipment	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.20558E-006	1.20558E-006	0.00000E+000	0.00000E+000	1.19752E-006
Rollers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.22924E-006	1.22924E-006	0.00000E+000	0.00000E+000	1.22101E-006
Rubber Tired Dozers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.18852E-006	1.18852E-006	0.00000E+000	0.00000E+000	1.18083E-006
Scrapers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.19844E-006	1.19844E-006	0.00000E+000	0.00000E+000	1.19061E-006
Tractors/Loaders/Balckhoes	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.18848E-006	1.18848E-006	0.00000E+000	0.00000E+000	1.18893E-006
Welders	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.18371E-006	1.18371E-006	0.00000E+000	0.00000E+000	1.18141E-006

Fugitive Dust Mitigation

Yes/No	Mitigation Measure	Mitigation Input	Mitigation Input	Mitigation Input
No	Soil Stabilizer for unpaved Roads	PM10 Reduction	PM2.5 Reduction	
No	Replace Ground Cover of Area Disturbed	PM10 Reduction	PM2.5 Reduction	
No	Water Exposed Area	PM10 Reduction	PM2.5 Reduction	Frequency (per day)

No	Unpaved Road Mitigation	Moisture Content %		Vehicle Speed (mph)			
No	Clean Paved Road	% PM Reduction	0.00				

Phase	Source	Unmitigated		Mitigated		Percent Reduction	
		PM10	PM2.5	PM10	PM2.5	PM10	PM2.5
Architectural Coating	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Architectural Coating	Roads	0.00	0.00	0.00	0.00	0.00	0.00
Building Construction	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Building Construction	Roads	0.00	0.00	0.00	0.00	0.00	0.00
Grading	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Grading	Roads	0.00	0.00	0.00	0.00	0.00	0.00
Paving	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Paving	Roads	0.00	0.00	0.00	0.00	0.00	0.00
Site Preparation	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Site Preparation	Roads	0.00	0.00	0.00	0.00	0.00	0.00

Operational Percent Reduction Summary

Category	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Architectural Coating	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Consumer Products	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Electricity	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hearth	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Landscaping	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mobile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Natural Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Water Indoor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.16	0.02
Water Outdoor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Operational Mobile Mitigation

Project Setting: Low Density Suburban

Mitigation	Category	Measure	% Reduction	Input Value 1	Input Value 2	Input Value
No	Land Use	Increase Density	0.00	0.00	0.00	
No	Land Use	Increase Diversity	0.25	0.56		
No	Land Use	Improve Walkability Design	0.00	0.00		
No	Land Use	Improve Destination Accessibility	0.00	0.00		
No	Land Use	Increase Transit Accessibility	0.25			
No	Land Use	Integrate Below Market Rate Housing	0.00	0.00		
	Land Use	Land Use SubTotal	0.00			

No	Neighborhood Enhancements	Improve Pedestrian Network	1.00	Project Site	
No	Neighborhood Enhancements	Provide Traffic Calming Measures			
No	Neighborhood Enhancements	Implement NEV Network	0.00		
	Neighborhood Enhancements	Neighborhood Enhancements Subtotal	0.00		
No	Parking Policy Pricing	Limit Parking Supply	0.00	0.00	
No	Parking Policy Pricing	Unbundle Parking Costs	0.00	0.00	
No	Parking Policy Pricing	On-street Market Pricing	0.00	0.00	
	Parking Policy Pricing	Parking Policy Pricing Subtotal	0.00		
No	Transit Improvements	Provide BRT System	0.00	0.00	
No	Transit Improvements	Expand Transit Network	0.00	0.00	
No	Transit Improvements	Increase Transit Frequency	0.00		0.00
	Transit Improvements	Transit Improvements Subtotal	0.00		
		Land Use and Site Enhancement Subtotal	0.00		
No	Commute	Implement Trip Reduction Program			
No	Commute	Transit Subsidy			
No	Commute	Implement Employee Parking "Cash Out"	3.00		
No	Commute	Workplace Parking Charge		0.00	
No	Commute	Encourage Telecommuting and Alternative Work Schedules	0.00		
No	Commute	Market Commute Trip Reduction Option	0.00		
No	Commute	Employee Vanpool/Shuttle	0.00		2.00
No	Commute	Provide Ride Sharing Program	5.00		
	Commute	Commute Subtotal	0.00		

No	School Trip	Implement School Bus Program	0.00		
		Total VMT Reduction	0.00		

Area Mitigation

Measure Implemented	Mitigation Measure	Input Value
No	Only Natural Gas Hearth	
No	No Hearth	
Yes	Use Low VOC Cleaning Supplies	
No	Use Low VOC Paint (Residential Interior)	100.00
No	Use Low VOC Paint (Residential Exterior)	100.00
No	Use Low VOC Paint (Non-residential Interior)	150.00
No	Use Low VOC Paint (Non-residential Exterior)	150.00
No	% Electric Lawnmower	0.00
No	% Electric Leafblower	0.00
No	% Electric Chainsaw	0.00

Energy Mitigation Measures

Measure Implemented	Mitigation Measure	Input Value 1	Input Value 2
No	Exceed Title 24		
No	Install High Efficiency Lighting		
No	On-site Renewable		

Appliance Type	Land Use Subtype	% Improvement
ClothWasher		30.00

DishWasher		15.00
Fan		50.00
Refrigerator		15.00

Water Mitigation Measures

Measure Implemented	Mitigation Measure	Input Value 1	Input Value 2
No	Apply Water Conservation on Strategy		0.00
No	Use Reclaimed Water	0.00	0.00
No	Use Grey Water	0.00	
No	Install low-flow bathroom faucet	32.00	
No	Install low-flow Kitchen faucet	18.00	
No	Install low-flow Toilet	20.00	
No	Install low-flow Shower	20.00	
No	Turf Reduction	0.00	
No	Use Water Efficient Irrigation Systems	6.10	
No	Water Efficient Landscape	0.00	0.00

Solid Waste Mitigation

Mitigation Measures	Input Value
Institute Recycling and Composting Services Percent Reduction in Waste Disposed	