

Weingart Projects Existing - Los Angeles-South Coast County, Summer

Weingart Projects Existing
Los Angeles-South Coast County, Summer

1.0 Project Characteristics**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	7.00	1000sqft	0.16	7,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	11			Operational Year	2018
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MW hr)	1227.89	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Vehicle Trips - LLG Weingart Projects traffic analysis; March 6, 2018

Table Name	Column Name	Default Value	New Value
tblVehicleTrips	DV_TP	19.00	0.00
tblVehicleTrips	PB_TP	4.00	0.00
tblVehicleTrips	PR_TP	77.00	100.00
tblVehicleTrips	WD_TR	11.03	6.20

[illegible]

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	lb/day										lb/day					
Mitigated	0.1180	0.5420	1.7200	4.9300e-003	0.3636	5.7800e-003	0.3693	0.0973	5.4400e-003	0.1028		499.4347	499.4347	0.0297		500.1779
Unmitigated	0.1180	0.5420	1.7200	4.9300e-003	0.3636	5.7800e-003	0.3693	0.0973	5.4400e-003	0.1028		499.4347	499.4347	0.0297		500.1779

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Office Building	43.40	17.22	7.35	135,930	135,930
Total	43.40	17.22	7.35	135,930	135,930

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
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Office Building	0.547972	0.046127	0.199330	0.125604	0.017697	0.005953	0.018360	0.027618	0.002341	0.002583	0.004804	0.000667	0.000944

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Natural Gas Mitigated	2.1500e-003	0.0196	0.0164	1.2000e-004		1.4900e-003	1.4900e-003		1.4900e-003	1.4900e-003		23.4875	23.4875	4.5000e-004	4.3000e-004	23.6271
Natural Gas Unmitigated	2.1500e-003	0.0196	0.0164	1.2000e-004		1.4900e-003	1.4900e-003		1.4900e-003	1.4900e-003		23.4875	23.4875	4.5000e-004	4.3000e-004	23.6271

5.2 Energy by Land Use - Natural Gas

Unmitigated

	Natural Gas 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	lb/day										lb/day					
General Office Building	199.644	2.1500e-003	0.0196	0.0164	1.2000e-004		1.4900e-003	1.4900e-003		1.4900e-003	1.4900e-003		23.4875	23.4875	4.5000e-004	4.3000e-004	23.6271
Total		2.1500e-003	0.0196	0.0164	1.2000e-004		1.4900e-003	1.4900e-003		1.4900e-003	1.4900e-003		23.4875	23.4875	4.5000e-004	4.3000e-004	23.6271

Mitigated

	Natural Gas 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	lb/day										lb/day					
General Office Building	0.199644	2.1500e-003	0.0196	0.0164	1.2000e-004		1.4900e-003	1.4900e-003		1.4900e-003	1.4900e-003		23.4875	23.4875	4.5000e-004	4.3000e-004	23.6271
Total		2.1500e-003	0.0196	0.0164	1.2000e-004		1.4900e-003	1.4900e-003		1.4900e-003	1.4900e-003		23.4875	23.4875	4.5000e-004	4.3000e-004	23.6271

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.1565	1.0000e-005	7.2000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.5300e-003	1.5300e-003	0.0000		1.6400e-003
Unmitigated	0.1565	1.0000e-005	7.2000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.5300e-003	1.5300e-003	0.0000		1.6400e-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
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SubCategory	lb/day										lb/day					
Architectural Coating	0.0178					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.1386					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	7.0000e-005	1.0000e-005	7.2000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.5300e-003	1.5300e-003	0.0000		1.6400e-003
Total	0.1565	1.0000e-005	7.2000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.5300e-003	1.5300e-003	0.0000		1.6400e-003

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	lb/day										lb/day					
Architectural Coating	0.0178					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.1386					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	7.0000e-005	1.0000e-005	7.2000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.5300e-003	1.5300e-003	0.0000		1.6400e-003
Total	0.1565	1.0000e-005	7.2000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.5300e-003	1.5300e-003	0.0000		1.6400e-003

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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11.0 Vegetation

Weingart Projects Existing - Los Angeles-South Coast County, Annual

Weingart Projects Existing
Los Angeles-South Coast County, Annual

1.0 Project Characteristics**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	7.00	1000sqft	0.16	7,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	11			Operational Year	2018
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MW hr)	1227.89	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Vehicle Trips - LLG Weingart Projects traffic analysis; March 6, 2018

Table Name	Column Name	Default Value	New Value
tblVehicleTrips	DV_TP	19.00	0.00
tblVehicleTrips	PB_TP	4.00	0.00
tblVehicleTrips	PR_TP	77.00	100.00
tblVehicleTrips	WD_TR	11.03	6.20

2.0 Emissions Summary

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.0286	0.0000	9.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.7000e-004	1.7000e-004	0.0000	0.0000	1.9000e-004
Energy	3.9000e-004	3.5700e-003	3.0000e-003	2.0000e-005		2.7000e-004	2.7000e-004		2.7000e-004	2.7000e-004	0.0000	54.5331	54.5331	1.2700e-003	3.2000e-004	54.6599
Mobile	0.0163	0.0828	0.2395	6.9000e-004	0.0516	8.4000e-004	0.0524	0.0138	7.9000e-004	0.0146	0.0000	63.2268	63.2268	3.8600e-003	0.0000	63.3233
Waste						0.0000	0.0000		0.0000	0.0000	1.3215	0.0000	1.3215	0.0781	0.0000	3.2739
Water						0.0000	0.0000		0.0000	0.0000	0.3947	13.7412	14.1359	0.0409	1.0200e-003	15.4628
Total	0.0453	0.0863	0.2426	7.1000e-004	0.0516	1.1100e-003	0.0527	0.0138	1.0600e-003	0.0149	1.7162	131.5012	133.2174	0.1241	1.3400e-003	136.7200

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	0.0286	0.0000	9.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.7000e-004	1.7000e-004	0.0000	0.0000	1.9000e-004
Energy	3.9000e-004	3.5700e-003	3.0000e-003	2.0000e-005		2.7000e-004	2.7000e-004		2.7000e-004	2.7000e-004	0.0000	54.5331	54.5331	1.2700e-003	3.2000e-004	54.6599
Mobile	0.0163	0.0828	0.2395	6.9000e-004	0.0516	8.4000e-004	0.0524	0.0138	7.9000e-004	0.0146	0.0000	63.2268	63.2268	3.8600e-003	0.0000	63.3233
Waste						0.0000	0.0000		0.0000	0.0000	1.3215	0.0000	1.3215	0.0781	0.0000	3.2739

Water						0.0000	0.0000		0.0000	0.0000	0.3947	13.7412	14.1359	0.0409	1.0200e-003	15.4628
Total	0.0453	0.0863	0.2426	7.1000e-004	0.0516	1.1100e-003	0.0527	0.0138	1.0600e-003	0.0149	1.7162	131.5012	133.2174	0.1241	1.3400e-003	136.7200

	ROG	NOx	CO	SO2	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

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	0.0163	0.0828	0.2395	6.9000e-004	0.0516	8.4000e-004	0.0524	0.0138	7.9000e-004	0.0146	0.0000	63.2268	63.2268	3.8600e-003	0.0000	63.3233
Unmitigated	0.0163	0.0828	0.2395	6.9000e-004	0.0516	8.4000e-004	0.0524	0.0138	7.9000e-004	0.0146	0.0000	63.2268	63.2268	3.8600e-003	0.0000	63.3233

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Office Building	43.40	17.22	7.35	135,930	135,930
Total	43.40	17.22	7.35	135,930	135,930

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

General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	100	0	0
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4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Office Building	0.547972	0.046127	0.199330	0.125604	0.017697	0.005953	0.018360	0.027618	0.002341	0.002583	0.004804	0.000667	0.000944

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	50.6445	50.6445	1.2000e-003	2.5000e-004	50.7482
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	50.6445	50.6445	1.2000e-003	2.5000e-004	50.7482
Natural Gas Mitigated	3.9000e-004	3.5700e-003	3.0000e-003	2.0000e-005		2.7000e-004	2.7000e-004		2.7000e-004	2.7000e-004	0.0000	3.8886	3.8886	7.0000e-005	7.0000e-005	3.9117
Natural Gas Unmitigated	3.9000e-004	3.5700e-003	3.0000e-003	2.0000e-005		2.7000e-004	2.7000e-004		2.7000e-004	2.7000e-004	0.0000	3.8886	3.8886	7.0000e-005	7.0000e-005	3.9117

5.2 Energy by Land Use - Natural Gas

Unmitigated

	Natural Gas 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					

General Office Building	72870	3.9000e-004	3.5700e-003	3.0000e-003	2.0000e-005		2.7000e-004	2.7000e-004		2.7000e-004	2.7000e-004	0.0000	3.8886	3.8886	7.0000e-005	7.0000e-005	3.9117
Total		3.9000e-004	3.5700e-003	3.0000e-003	2.0000e-005		2.7000e-004	2.7000e-004		2.7000e-004	2.7000e-004	0.0000	3.8886	3.8886	7.0000e-005	7.0000e-005	3.9117

Mitigated

	Natural Gas 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					
General Office Building	72870	3.9000e-004	3.5700e-003	3.0000e-003	2.0000e-005		2.7000e-004	2.7000e-004		2.7000e-004	2.7000e-004	0.0000	3.8886	3.8886	7.0000e-005	7.0000e-005	3.9117
Total		3.9000e-004	3.5700e-003	3.0000e-003	2.0000e-005		2.7000e-004	2.7000e-004		2.7000e-004	2.7000e-004	0.0000	3.8886	3.8886	7.0000e-005	7.0000e-005	3.9117

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Office Building	90930	50.6445	1.2000e-003	2.5000e-004	50.7482
Total		50.6445	1.2000e-003	2.5000e-004	50.7482

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Office Building	90930	50.6445	1.2000e-003	2.5000e-004	50.7482
Total		50.6445	1.2000e-003	2.5000e-004	50.7482

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0286	0.0000	9.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.7000e-004	1.7000e-004	0.0000	0.0000	1.9000e-004
Unmitigated	0.0286	0.0000	9.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.7000e-004	1.7000e-004	0.0000	0.0000	1.9000e-004

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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SubCategory	tons/yr										MT/yr					
Architectural Coating	3.2400e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0253					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.0000e-005	0.0000	9.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.7000e-004	1.7000e-004	0.0000	0.0000	1.9000e-004
Total	0.0285	0.0000	9.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.7000e-004	1.7000e-004	0.0000	0.0000	1.9000e-004

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	3.2400e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0253					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.0000e-005	0.0000	9.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.7000e-004	1.7000e-004	0.0000	0.0000	1.9000e-004
Total	0.0285	0.0000	9.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.7000e-004	1.7000e-004	0.0000	0.0000	1.9000e-004

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			

Mitigated	14.1359	0.0409	1.0200e-003	15.4628
Unmitigated	14.1359	0.0409	1.0200e-003	15.4628

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Office Building	1.24414 / 0.762535	14.1359	0.0409	1.0200e-003	15.4628
Total		14.1359	0.0409	1.0200e-003	15.4628

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Office Building	1.24414 / 0.762535	14.1359	0.0409	1.0200e-003	15.4628
Total		14.1359	0.0409	1.0200e-003	15.4628

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	1.3215	0.0781	0.0000	3.2739
Unmitigated	1.3215	0.0781	0.0000	3.2739

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Office Building	6.51	1.3215	0.0781	0.0000	3.2739
Total		1.3215	0.0781	0.0000	3.2739

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
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Land Use	tons	MT/yr			
General Office Building	6.51	1.3215	0.0781	0.0000	3.2739
Total		1.3215	0.0781	0.0000	3.2739

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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11.0 Vegetation

Weingart Projects Existing - Los Angeles-South Coast County, Winter

Weingart Projects Existing
Los Angeles-South Coast County, Winter

1.0 Project Characteristics**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	7.00	1000sqft	0.16	7,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	11			Operational Year	2018
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MW hr)	1227.89	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Vehicle Trips - LLG Weingart Projects traffic analysis; March 6, 2018

Table Name	Column Name	Default Value	New Value
tblVehicleTrips	DV_TP	19.00	0.00
tblVehicleTrips	PB_TP	4.00	0.00
tblVehicleTrips	PR_TP	77.00	100.00
tblVehicleTrips	WD_TR	11.03	6.20

Unmitigated Operational

Mitigated Operational

[illegible]

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	lb/day										lb/day					
Mitigated	0.1153	0.5609	1.6295	4.6800e-003	0.3636	5.8100e-003	0.3694	0.0973	5.4700e-003	0.1028		475.0681	475.0681	0.0294		475.8038
Unmitigated	0.1153	0.5609	1.6295	4.6800e-003	0.3636	5.8100e-003	0.3694	0.0973	5.4700e-003	0.1028		475.0681	475.0681	0.0294		475.8038

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Office Building	43.40	17.22	7.35	135,930	135,930
Total	43.40	17.22	7.35	135,930	135,930

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
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Office Building	0.547972	0.046127	0.199330	0.125604	0.017697	0.005953	0.018360	0.027618	0.002341	0.002583	0.004804	0.000667	0.000944

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Natural Gas Mitigated	2.1500e-003	0.0196	0.0164	1.2000e-004		1.4900e-003	1.4900e-003		1.4900e-003	1.4900e-003		23.4875	23.4875	4.5000e-004	4.3000e-004	23.6271
Natural Gas Unmitigated	2.1500e-003	0.0196	0.0164	1.2000e-004		1.4900e-003	1.4900e-003		1.4900e-003	1.4900e-003		23.4875	23.4875	4.5000e-004	4.3000e-004	23.6271

5.2 Energy by Land Use - Natural Gas

Unmitigated

	Natural Gas 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	lb/day										lb/day					
General Office Building	199.644	2.1500e-003	0.0196	0.0164	1.2000e-004		1.4900e-003	1.4900e-003		1.4900e-003	1.4900e-003		23.4875	23.4875	4.5000e-004	4.3000e-004	23.6271
Total		2.1500e-003	0.0196	0.0164	1.2000e-004		1.4900e-003	1.4900e-003		1.4900e-003	1.4900e-003		23.4875	23.4875	4.5000e-004	4.3000e-004	23.6271

Mitigated

	Natural Gas 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	lb/day										lb/day					
General Office Building	0.199644	2.1500e-003	0.0196	0.0164	1.2000e-004		1.4900e-003	1.4900e-003		1.4900e-003	1.4900e-003		23.4875	23.4875	4.5000e-004	4.3000e-004	23.6271
Total		2.1500e-003	0.0196	0.0164	1.2000e-004		1.4900e-003	1.4900e-003		1.4900e-003	1.4900e-003		23.4875	23.4875	4.5000e-004	4.3000e-004	23.6271

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.1565	1.0000e-005	7.2000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.5300e-003	1.5300e-003	0.0000		1.6400e-003
Unmitigated	0.1565	1.0000e-005	7.2000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.5300e-003	1.5300e-003	0.0000		1.6400e-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
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SubCategory	lb/day										lb/day					
Architectural Coating	0.0178					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.1386					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	7.0000e-005	1.0000e-005	7.2000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.5300e-003	1.5300e-003	0.0000		1.6400e-003
Total	0.1565	1.0000e-005	7.2000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.5300e-003	1.5300e-003	0.0000		1.6400e-003

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	lb/day										lb/day					
Architectural Coating	0.0178					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.1386					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	7.0000e-005	1.0000e-005	7.2000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.5300e-003	1.5300e-003	0.0000		1.6400e-003
Total	0.1565	1.0000e-005	7.2000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.5300e-003	1.5300e-003	0.0000		1.6400e-003

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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11.0 Vegetation

Weingart Projects Future Construction+Operations Site 1 - Los Angeles-South Coast County, Summer

Weingart Projects Future Construction+Operations Site 1
Los Angeles-South Coast County, Summer

1.0 Project Characteristics**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	25.49	1000sqft	0.20	25,493.00	0
Enclosed Parking with Elevator	13.70	1000sqft	0.10	13,700.00	0
Apartments High Rise	382.00	Dwelling Unit	0.30	194,831.00	1093
Strip Mall	2.25	1000sqft	0.03	2,250.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	11			Operational Year	2022
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MW hr)	1227.89	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Developer information for Phase 1

Construction Phase - Developer information

Trips and VMT - Assumes 10CY capacity per haul truck; worst-case scenario haul trip length

Demolition - Assumes 18,360 sf of asphalt parking lot @ 6" removed @ 2,400 lb/CY for Tower 1A; assumes 4,870 CY of material @400 lb/CY for Tower 1B

Grading - Developer information

Vehicle Trips - LLG Weingart Projects traffic analysis; March 6, 2018

Woodstoves - Developer information

Construction Off-road Equipment Mitigation - Assumes SCAQMD Rule 403 control efficiencies

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	46
tblConstructionPhase	NumDays	5.00	240.00
tblConstructionPhase	NumDays	5.00	219.00
tblConstructionPhase	NumDays	100.00	241.00
tblConstructionPhase	NumDays	100.00	241.00
tblConstructionPhase	NumDays	10.00	13.00
tblConstructionPhase	NumDays	10.00	16.00
tblConstructionPhase	NumDays	2.00	9.00
tblConstructionPhase	NumDays	2.00	7.00
tblConstructionPhase	NumDays	1.00	26.00
tblConstructionPhase	NumDays	1.00	25.00
tblFireplaces	NumberGas	324.70	0.00
tblFireplaces	NumberNoFireplace	38.20	382.00
tblFireplaces	NumberWood	19.10	0.00
tblGrading	AcresOfGrading	0.00	0.63
tblGrading	AcresOfGrading	0.00	0.63
tblGrading	AcresOfGrading	13.00	0.50
tblGrading	AcresOfGrading	12.50	0.00
tblGrading	MaterialExported	0.00	10,244.00
tblGrading	MaterialExported	0.00	4,800.00
tblLandUse	LandUseSquareFeet	25,490.00	25,493.00
tblLandUse	LandUseSquareFeet	382,000.00	194,831.00
tblLandUse	LotAcreage	0.59	0.20
tblLandUse	LotAcreage	0.31	0.10
tblLandUse	LotAcreage	6.16	0.30
tblLandUse	LotAcreage	0.05	0.03

tblTripsAndVMT	HaulingTripLength	20.00	50.00
tblTripsAndVMT	HaulingTripLength	20.00	50.00
tblTripsAndVMT	HaulingTripLength	20.00	50.00
tblTripsAndVMT	HaulingTripLength	20.00	50.00
tblTripsAndVMT	HaulingTripLength	20.00	50.00
tblTripsAndVMT	HaulingTripNumber	40.00	34.00
tblTripsAndVMT	HaulingTripNumber	1,281.00	1,024.00
tblTripsAndVMT	HaulingTripNumber	96.00	487.00
tblTripsAndVMT	HaulingTripNumber	600.00	480.00
tblTripsAndVMT	WorkerTripNumber	58.00	20.00
tblTripsAndVMT	WorkerTripNumber	10.00	50.00
tblTripsAndVMT	WorkerTripNumber	5.00	20.00
tblTripsAndVMT	WorkerTripNumber	290.00	180.00
tblTripsAndVMT	WorkerTripNumber	58.00	20.00
tblTripsAndVMT	WorkerTripNumber	13.00	10.00
tblTripsAndVMT	WorkerTripNumber	10.00	50.00
tblTripsAndVMT	WorkerTripNumber	5.00	20.00
tblTripsAndVMT	WorkerTripNumber	290.00	180.00
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	HO_TTP	40.60	41.00
tblVehicleTrips	HS_TTP	19.20	19.00
tblVehicleTrips	HW_TTP	40.20	40.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	ST_TR	4.98	1.84
tblVehicleTrips	ST_TR	42.04	21.35
tblVehicleTrips	SU_TR	3.65	1.84
tblVehicleTrips	SU_TR	20.43	21.35
tblVehicleTrips	WD_TR	4.20	1.84
tblVehicleTrips	WD_TR	11.03	8.45

tblVehicleTrips	WD_TR	44.32	21.35
tblWoodstoves	NumberCatalytic	19.10	0.00
tblWoodstoves	NumberNoncatalytic	19.10	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

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	lb/day										lb/day					
2019	3.5530	78.9100	26.4843	0.2271	6.4842	0.8508	7.3349	1.9514	0.8124	2.7638	0.0000	24,391.9525	24,391.9525	1.6317	0.0000	24,432.7443
2020	12.1462	70.9591	45.9263	0.2040	7.0226	1.7181	8.7186	2.0862	1.6210	3.6812	0.0000	21,322.5149	21,322.5149	1.9004	0.0000	21,370.0256
2021	9.4769	21.4791	25.4449	0.0608	2.5428	0.9226	3.4655	0.6814	0.8602	1.5415	0.0000	6,016.9731	6,016.9731	0.8225	0.0000	6,037.5362
2022	6.4519	1.4617	2.5568	5.1800e-003	0.2236	0.0835	0.3070	0.0593	0.0833	0.1426	0.0000	501.1905	501.1905	0.0244	0.0000	501.8002
Maximum	12.1462	78.9100	45.9263	0.2271	7.0226	1.7181	8.7186	2.0862	1.6210	3.6812	0.0000	24,391.9525	24,391.9525	1.9004	0.0000	24,432.7443

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	lb/day										lb/day					
2019	3.5530	78.9100	26.4843	0.2271	3.9291	0.8508	4.7799	1.1941	0.8124	2.0065	0.0000	24,391.9525	24,391.9525	1.6317	0.0000	24,432.7443
2020	12.1462	70.9591	45.9263	0.2040	4.1791	1.7181	5.8750	1.2569	1.6210	2.8519	0.0000	21,322.5149	21,322.5149	1.9004	0.0000	21,370.0256

2021	9.4769	21.4791	25.4449	0.0608	1.5481	0.9226	2.4707	0.4372	0.8602	1.2973	0.0000	6,016.9731	6,016.9731	0.8225	0.0000	6,037.5362
2022	6.4519	1.4617	2.5568	5.1800e-003	0.1342	0.0835	0.2176	0.0373	0.0833	0.1207	0.0000	501.1905	501.1905	0.0244	0.0000	501.8002
Maximum	12.1462	78.9100	45.9263	0.2271	4.1791	1.7181	5.8750	1.2569	1.6210	2.8519	0.0000	24,391.9525	24,391.9525	1.9004	0.0000	24,432.7443

	ROG	NOx	CO	SO2	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	39.84	0.00	32.70	38.77	0.00	22.79	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	lb/day										lb/day					
Area	5.7706	0.3639	31.5537	1.6600e-003		0.1743	0.1743		0.1743	0.1743	0.0000	56.7561	56.7561	0.0548	0.0000	58.1253
Energy	0.1120	0.9612	0.4390	6.1100e-003		0.0774	0.0774		0.0774	0.0774		1,221.5772	1,221.5772	0.0234	0.0224	1,228.8364
Mobile	1.7875	8.6195	24.8886	0.0910	7.4193	0.0732	7.4925	1.9855	0.0683	2.0538		9,257.7420	9,257.7420	0.4606		9,269.2580
Total	7.6701	9.9447	56.8812	0.0987	7.4193	0.3249	7.7442	1.9855	0.3200	2.3055	0.0000	10,536.0752	10,536.0752	0.5388	0.0224	10,556.2197

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	lb/day										lb/day					
Area	5.7706	0.3639	31.5537	1.6600e-003		0.1743	0.1743		0.1743	0.1743	0.0000	56.7561	56.7561	0.0548	0.0000	58.1253

Energy	0.1120	0.9612	0.4390	6.1100e-003		0.0774	0.0774		0.0774	0.0774		1,221.5772	1,221.5772	0.0234	0.0224	1,228.8364
Mobile	1.7875	8.6195	24.8886	0.0910	7.4193	0.0732	7.4925	1.9855	0.0683	2.0538		9,257.7420	9,257.7420	0.4606		9,269.2580
Total	7.6701	9.9447	56.8812	0.0987	7.4193	0.3249	7.7442	1.9855	0.3200	2.3055	0.0000	10,536.0752	10,536.0752	0.5388	0.0224	10,556.2197

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition (Tower 1A)	Demolition	8/1/2019	8/19/2019	5	13	
2	Grading (Tower 1A)	Grading	8/20/2019	8/30/2019	5	9	
3	Site Preparation (Tower 1A)	Site Preparation	9/2/2019	10/7/2019	5	26	
4	Building Construction (Tower 1A)	Building Construction	10/8/2019	9/8/2020	5	241	
5	Architectural Coating (Tower 1A)	Architectural Coating	3/23/2020	1/21/2021	5	219	
6	Demolition (Tower 1B)	Demolition	7/1/2020	7/22/2020	5	16	
7	Grading (Tower 1B)	Grading	7/23/2020	7/31/2020	5	7	
8	Site Preparation (Tower 1B)	Site Preparation	8/3/2020	9/4/2020	5	25	
9	Building Construction (Tower 1B)	Building Construction	9/7/2020	8/9/2021	5	241	
10	Architectural Coating (Tower 1B)	Architectural Coating	2/26/2021	1/27/2022	5	240	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0.1

Residential Indoor: 394,533; Residential Outdoor: 131,511; Non-Residential Indoor: 41,615; Non-Residential Outdoor: 13,872; Striped Parking

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
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Demolition (Tower 1A)	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition (Tower 1A)	Rubber Tired Dozers	1	1.00	247	0.40
Demolition (Tower 1A)	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Site Preparation (Tower 1A)	Graders	1	8.00	187	0.41
Site Preparation (Tower 1A)	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading (Tower 1A)	Concrete/Industrial Saws	1	8.00	81	0.73
Grading (Tower 1A)	Rubber Tired Dozers	1	1.00	247	0.40
Grading (Tower 1A)	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Building Construction (Tower 1A)	Cranes	1	4.00	231	0.29
Building Construction (Tower 1A)	Forklifts	2	6.00	89	0.20
Building Construction (Tower 1A)	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Architectural Coating (Tower 1A)	Air Compressors	1	6.00	78	0.48
Architectural Coating (Tower 1A)	Cement and Mortar Mixers	4	6.00	9	0.56
Architectural Coating (Tower 1A)	Pavers	1	7.00	130	0.42
Architectural Coating (Tower 1A)	Rollers	1	7.00	80	0.38
Architectural Coating (Tower 1A)	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Demolition (Tower 1B)	Air Compressors	1	6.00	78	0.48
Demolition (Tower 1B)	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition (Tower 1B)	Rubber Tired Dozers	1	1.00	247	0.40
Demolition (Tower 1B)	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Grading (Tower 1B)	Concrete/Industrial Saws	1	8.00	81	0.73
Grading (Tower 1B)	Rubber Tired Dozers	1	1.00	247	0.40
Grading (Tower 1B)	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Site Preparation (Tower 1B)	Graders	1	8.00	187	0.41
Site Preparation (Tower 1B)	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Building Construction (Tower 1B)	Cranes	1	4.00	231	0.29
Building Construction (Tower 1B)	Forklifts	2	6.00	89	0.20
Building Construction (Tower 1B)	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Architectural Coating (Tower 1B)	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition (Tower 1A)	4	10.00	0.00	34.00	14.70	6.90	50.00	LD_Mix	HDT_Mix	HHDT
Grading (Tower 1A)	4	50.00	0.00	1,024.00	14.70	6.90	50.00	LD_Mix	HDT_Mix	HHDT
Site Preparation (Tower 1A)	2	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction (Tower 1A)	5	180.00	48.00	0.00	14.70	6.90	50.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating (Tower 1A)	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Demolition (Tower 1B)	5	10.00	0.00	487.00	14.70	6.90	50.00	LD_Mix	HDT_Mix	HHDT
Grading (Tower 1B)	4	50.00	0.00	480.00	14.70	6.90	50.00	LD_Mix	HDT_Mix	HHDT
Site Preparation (Tower 1B)	2	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction (Tower 1B)	5	180.00	48.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating (Tower 1B)	1	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Replace Ground Cover

Water Exposed Area

Clean Paved Roads

3.2 Demolition (Tower 1A) - 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	lb/day										lb/day					
Fugitive Dust					0.6716	0.0000	0.6716	0.1017	0.0000	0.1017			0.0000			0.0000
Off-Road	0.9530	8.6039	7.6917	0.0120		0.5371	0.5371		0.5125	0.5125		1,159.6570	1,159.6570	0.2211		1,165.1847
Total	0.9530	8.6039	7.6917	0.0120	0.6716	0.5371	1.2087	0.1017	0.5125	0.6142		1,159.6570	1,159.6570	0.2211		1,165.1847

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	lb/day										lb/day					
Hauling	0.0540	1.6119	0.3766	4.8100e-003	0.1142	7.1000e-003	0.1213	0.0313	6.7900e-003	0.0381		520.0947	520.0947	0.0320		520.8933
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0500	0.0367	0.4822	1.2200e-003	0.1118	9.6000e-004	0.1127	0.0296	8.9000e-004	0.0305		121.2953	121.2953	4.1700e-003		121.3995
Total	0.1040	1.6486	0.8587	6.0300e-003	0.2260	8.0600e-003	0.2341	0.0610	7.6800e-003	0.0686		641.3900	641.3900	0.0361		642.2928

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	lb/day										lb/day					
Fugitive Dust					0.2488	0.0000	0.2488	0.0377	0.0000	0.0377			0.0000			0.0000
Off-Road	0.9530	8.6039	7.6917	0.0120		0.5371	0.5371		0.5125	0.5125	0.0000	1,159.6570	1,159.6570	0.2211		1,165.1847
Total	0.9530	8.6039	7.6917	0.0120	0.2488	0.5371	0.7859	0.0377	0.5125	0.5501	0.0000	1,159.6570	1,159.6570	0.2211		1,165.1847

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
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Category	lb/day										lb/day					
Hauling	0.0540	1.6119	0.3766	4.8100e-003	0.0745	7.1000e-003	0.0816	0.0215	6.7900e-003	0.0283		520.0947	520.0947	0.0320		520.8933
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0500	0.0367	0.4822	1.2200e-003	0.0671	9.6000e-004	0.0680	0.0187	8.9000e-004	0.0196		121.2953	121.2953	4.1700e-003		121.3995
Total	0.1040	1.6486	0.8587	6.0300e-003	0.1416	8.0600e-003	0.1496	0.0402	7.6800e-003	0.0479		641.3900	641.3900	0.0361		642.2928

3.3 Grading (Tower 1A) - 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	lb/day										lb/day					
Fugitive Dust					0.9557	0.0000	0.9557	0.4413	0.0000	0.4413			0.0000			0.0000
Off-Road	0.9530	8.6039	7.6917	0.0120		0.5371	0.5371		0.5125	0.5125		1,159.6570	1,159.6570	0.2211		1,165.1847
Total	0.9530	8.6039	7.6917	0.0120	0.9557	0.5371	1.4928	0.4413	0.5125	0.9538		1,159.6570	1,159.6570	0.2211		1,165.1847

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	lb/day										lb/day					
Hauling	2.3502	70.1226	16.3818	0.2091	4.9696	0.3088	5.2784	1.3619	0.2955	1.6574		22,625.819	22,625.819	1.3897		22,660.562
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2498	0.1836	2.4108	6.0900e-003	0.5589	4.8200e-003	0.5637	0.1482	4.4400e-003	0.1527		606.4764	606.4764	0.0208		606.9972

Total	2.6000	70.3062	18.7926	0.2151	5.5284	0.3137	5.8421	1.5101	0.2999	1.8100		23,232.295 4	23,232.295 4	1.4106		23,267.559 6
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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	lb/day										lb/day					
Fugitive Dust					0.3541	0.0000	0.3541	0.1635	0.0000	0.1635			0.0000			0.0000
Off-Road	0.9530	8.6039	7.6917	0.0120		0.5371	0.5371		0.5125	0.5125	0.0000	1,159.6570	1,159.6570	0.2211		1,165.1847
Total	0.9530	8.6039	7.6917	0.0120	0.3541	0.5371	0.8912	0.1635	0.5125	0.6760	0.0000	1,159.6570	1,159.6570	0.2211		1,165.1847

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	lb/day										lb/day					
Hauling	2.3502	70.1226	16.3818	0.2091	3.2396	0.3088	3.5485	0.9373	0.2955	1.2328		22,625.819 0	22,625.819 0	1.3897		22,660.562 4
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2498	0.1836	2.4108	6.0900e-003	0.3354	4.8200e-003	0.3402	0.0934	4.4400e-003	0.0978		606.4764	606.4764	0.0208		606.9972
Total	2.6000	70.3062	18.7926	0.2151	3.5750	0.3137	3.8887	1.0306	0.2999	1.3306		23,232.295 4	23,232.295 4	1.4106		23,267.559 6

3.4 Site Preparation (Tower 1A) - 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	lb/day										lb/day					
Fugitive Dust					0.0204	0.0000	0.0204	2.2000e-003	0.0000	2.2000e-003			0.0000			0.0000
Off-Road	0.7195	8.9170	4.1407	9.7500e-003		0.3672	0.3672		0.3378	0.3378		965.1690	965.1690	0.3054		972.8032
Total	0.7195	8.9170	4.1407	9.7500e-003	0.0204	0.3672	0.3876	2.2000e-003	0.3378	0.3400		965.1690	965.1690	0.3054		972.8032

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	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0999	0.0734	0.9643	2.4400e-003	0.2236	1.9300e-003	0.2255	0.0593	1.7800e-003	0.0611		242.5906	242.5906	8.3300e-003		242.7989
Total	0.0999	0.0734	0.9643	2.4400e-003	0.2236	1.9300e-003	0.2255	0.0593	1.7800e-003	0.0611		242.5906	242.5906	8.3300e-003		242.7989

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	lb/day										lb/day					

Fugitive Dust					7.5600e-003	0.0000	7.5600e-003	8.2000e-004	0.0000	8.2000e-004			0.0000			0.0000
Off-Road	0.7195	8.9170	4.1407	9.7500e-003		0.3672	0.3672		0.3378	0.3378	0.0000	965.1690	965.1690	0.3054		972.8032
Total	0.7195	8.9170	4.1407	9.7500e-003	7.5600e-003	0.3672	0.3748	8.2000e-004	0.3378	0.3387	0.0000	965.1690	965.1690	0.3054		972.8032

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	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0999	0.0734	0.9643	2.4400e-003	0.1342	1.9300e-003	0.1361	0.0373	1.7800e-003	0.0391		242.5906	242.5906	8.3300e-003		242.7989
Total	0.0999	0.0734	0.9643	2.4400e-003	0.1342	1.9300e-003	0.1361	0.0373	1.7800e-003	0.0391		242.5906	242.5906	8.3300e-003		242.7989

3.5 Building Construction (Tower 1A) - 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	lb/day										lb/day					
Off-Road	0.9576	9.8207	7.5432	0.0114		0.6054	0.6054		0.5569	0.5569		1,127.6696	1,127.6696	0.3568		1,136.5892
Total	0.9576	9.8207	7.5432	0.0114		0.6054	0.6054		0.5569	0.5569		1,127.6696	1,127.6696	0.3568		1,136.5892

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	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1995	5.5550	1.4740	0.0126	0.3073	0.0354	0.3427	0.0885	0.0339	0.1224		1,338.3102	1,338.3102	0.0858		1,340.4542
Worker	0.8992	0.6609	8.6790	0.0219	2.0120	0.0174	2.0293	0.5336	0.0160	0.5496		2,183.3152	2,183.3152	0.0750		2,185.1900
Total	1.0987	6.2159	10.1529	0.0345	2.3193	0.0528	2.3720	0.6221	0.0499	0.6719		3,521.6254	3,521.6254	0.1608		3,525.6443

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	lb/day										lb/day					
Off-Road	0.9576	9.8207	7.5432	0.0114		0.6054	0.6054		0.5569	0.5569	0.0000	1,127.6696	1,127.6696	0.3568		1,136.5892
Total	0.9576	9.8207	7.5432	0.0114		0.6054	0.6054		0.5569	0.5569	0.0000	1,127.6696	1,127.6696	0.3568		1,136.5892

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
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Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1995	5.5550	1.4740	0.0126	0.2066	0.0354	0.2420	0.0638	0.0339	0.0976		1,338.3102	1,338.3102	0.0858		1,340.4542
Worker	0.8992	0.6609	8.6790	0.0219	1.2074	0.0174	1.2247	0.3361	0.0160	0.3521		2,183.3152	2,183.3152	0.0750		2,185.1900
Total	1.0987	6.2159	10.1529	0.0345	1.4139	0.0528	1.4667	0.3998	0.0499	0.4497		3,521.6254	3,521.6254	0.1608		3,525.6443

3.5 Building Construction (Tower 1A) - 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	lb/day										lb/day					
Off-Road	0.8617	8.8523	7.3875	0.0114		0.5224	0.5224		0.4806	0.4806		1,102.9781	1,102.9781	0.3567		1,111.8962
Total	0.8617	8.8523	7.3875	0.0114		0.5224	0.5224		0.4806	0.4806		1,102.9781	1,102.9781	0.3567		1,111.8962

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	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1707	5.1059	1.3378	0.0125	0.3073	0.0240	0.3313	0.0885	0.0230	0.1115		1,329.7185	1,329.7185	0.0811		1,331.7471
Worker	0.8284	0.5893	7.8812	0.0213	2.0120	0.0168	2.0288	0.5336	0.0155	0.5491		2,117.0032	2,117.0032	0.0667		2,118.6718

Total	0.9991	5.6952	9.2190	0.0337	2.3193	0.0409	2.3601	0.6221	0.0385	0.6605		3,446.7217	3,446.7217	0.1479		3,450.4189
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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	lb/day										lb/day					
Off-Road	0.8617	8.8523	7.3875	0.0114		0.5224	0.5224		0.4806	0.4806	0.0000	1,102.9781	1,102.9781	0.3567		1,111.8962
Total	0.8617	8.8523	7.3875	0.0114		0.5224	0.5224		0.4806	0.4806	0.0000	1,102.9781	1,102.9781	0.3567		1,111.8962

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	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1707	5.1059	1.3378	0.0125	0.2066	0.0240	0.2306	0.0638	0.0230	0.0867		1,329.7185	1,329.7185	0.0811		1,331.7471
Worker	0.8284	0.5893	7.8812	0.0213	1.2074	0.0168	1.2242	0.3361	0.0155	0.3516		2,117.0032	2,117.0032	0.0667		2,118.6718
Total	0.9991	5.6952	9.2190	0.0337	1.4139	0.0409	1.4548	0.3998	0.0385	0.4383		3,446.7217	3,446.7217	0.1479		3,450.4189

3.6 Architectural Coating (Tower 1A) - 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	lb/day										lb/day					
Archit. Coating	6.7584					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	1.0137	8.9104	8.9442	0.0142		0.5060	0.5060		0.4778	0.4778		1,316.8407	1,316.8407	0.3234		1,324.9251
Total	7.7722	8.9104	8.9442	0.0142		0.5060	0.5060		0.4778	0.4778		1,316.8407	1,316.8407	0.3234		1,324.9251

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	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0920	0.0655	0.8757	2.3600e-003	0.2236	1.8700e-003	0.2254	0.0593	1.7200e-003	0.0610		235.2226	235.2226	7.4200e-003		235.4080
Total	0.0920	0.0655	0.8757	2.3600e-003	0.2236	1.8700e-003	0.2254	0.0593	1.7200e-003	0.0610		235.2226	235.2226	7.4200e-003		235.4080

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	lb/day										lb/day					

Archit. Coating	6.7584					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	1.0137	8.9104	8.9442	0.0142		0.5060	0.5060		0.4778	0.4778	0.0000	1,316.8407	1,316.8407	0.3234		1,324.9251
Total	7.7722	8.9104	8.9442	0.0142		0.5060	0.5060		0.4778	0.4778	0.0000	1,316.8407	1,316.8407	0.3234		1,324.9251

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	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0920	0.0655	0.8757	2.3600e-003	0.1342	1.8700e-003	0.1360	0.0373	1.7200e-003	0.0391		235.2226	235.2226	7.4200e-003		235.4080
Total	0.0920	0.0655	0.8757	2.3600e-003	0.1342	1.8700e-003	0.1360	0.0373	1.7200e-003	0.0391		235.2226	235.2226	7.4200e-003		235.4080

3.6 Architectural Coating (Tower 1A) - 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	lb/day										lb/day					
Archit. Coating	6.7584					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.9403	8.2446	8.9074	0.0142		0.4475	0.4475		0.4227	0.4227		1,316.7906	1,316.7906	0.3209		1,324.8127
Total	7.6987	8.2446	8.9074	0.0142		0.4475	0.4475		0.4227	0.4227		1,316.7906	1,316.7906	0.3209		1,324.8127

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	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0857	0.0589	0.8056	2.2900e-003	0.2236	1.8100e-003	0.2254	0.0593	1.6600e-003	0.0610		227.7540	227.7540	6.7100e-003		227.9217
Total	0.0857	0.0589	0.8056	2.2900e-003	0.2236	1.8100e-003	0.2254	0.0593	1.6600e-003	0.0610		227.7540	227.7540	6.7100e-003		227.9217

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	lb/day										lb/day					
Archit. Coating	6.7584					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.9403	8.2446	8.9074	0.0142		0.4475	0.4475		0.4227	0.4227	0.0000	1,316.7906	1,316.7906	0.3209		1,324.8127
Total	7.6987	8.2446	8.9074	0.0142		0.4475	0.4475		0.4227	0.4227	0.0000	1,316.7906	1,316.7906	0.3209		1,324.8127

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
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Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0857	0.0589	0.8056	2.2900e-003	0.1342	1.8100e-003	0.1360	0.0373	1.6600e-003	0.0390		227.7540	227.7540	6.7100e-003		227.9217
Total	0.0857	0.0589	0.8056	2.2900e-003	0.1342	1.8100e-003	0.1360	0.0373	1.6600e-003	0.0390		227.7540	227.7540	6.7100e-003		227.9217

3.7 Demolition (Tower 1B) - 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	lb/day										lb/day					
Fugitive Dust					1.3027	0.0000	1.3027	0.1972	0.0000	0.1972			0.0000			0.0000
Off-Road	1.1096	9.5567	9.4540	0.0150		0.5781	0.5781		0.5566	0.5566		1,428.6833	1,428.6833	0.2387		1,434.6506
Total	1.1096	9.5567	9.4540	0.0150	1.3027	0.5781	1.8808	0.1972	0.5566	0.7539		1,428.6833	1,428.6833	0.2387		1,434.6506

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	lb/day										lb/day					
Hauling	0.5876	17.4885	4.3004	0.0552	1.3295	0.0679	1.3974	0.3644	0.0650	0.4293		5,985.9289	5,985.9289	0.3682		5,995.1347
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0460	0.0327	0.4378	1.1800e-003	0.1118	9.3000e-004	0.1127	0.0296	8.6000e-004	0.0305		117.6113	117.6113	3.7100e-003		117.7040

Total	0.6336	17.5212	4.7382	0.0564	1.4413	0.0688	1.5101	0.3940	0.0658	0.4598		6,103.5402	6,103.5402	0.3719		6,112.8387
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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	lb/day										lb/day					
Fugitive Dust					0.4826	0.0000	0.4826	0.0731	0.0000	0.0731			0.0000			0.0000
Off-Road	1.1096	9.5567	9.4540	0.0150		0.5781	0.5781		0.5566	0.5566	0.0000	1,428.6833	1,428.6833	0.2387		1,434.6506
Total	1.1096	9.5567	9.4540	0.0150	0.4826	0.5781	1.0608	0.0731	0.5566	0.6297	0.0000	1,428.6833	1,428.6833	0.2387		1,434.6506

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	lb/day										lb/day					
Hauling	0.5876	17.4885	4.3004	0.0552	0.8667	0.0679	0.9346	0.2508	0.0650	0.3157		5,985.9289	5,985.9289	0.3682		5,995.1347
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0460	0.0327	0.4378	1.1800e-003	0.0671	9.3000e-004	0.0680	0.0187	8.6000e-004	0.0195		117.6113	117.6113	3.7100e-003		117.7040
Total	0.6336	17.5212	4.7382	0.0564	0.9338	0.0688	1.0026	0.2694	0.0658	0.3353		6,103.5402	6,103.5402	0.3719		6,112.8387

3.8 Grading (Tower 1B) - 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	lb/day										lb/day					
Fugitive Dust					0.9258	0.0000	0.9258	0.4358	0.0000	0.4358			0.0000			0.0000
Off-Road	0.8674	7.8729	7.6226	0.0120		0.4672	0.4672		0.4457	0.4457		1,147.2352	1,147.2352	0.2169		1,152.6578
Total	0.8674	7.8729	7.6226	0.0120	0.9258	0.4672	1.3930	0.4358	0.4457	0.8815		1,147.2352	1,147.2352	0.2169		1,152.6578

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	lb/day										lb/day					
Hauling	1.3237	39.3991	9.6881	0.1244	2.9952	0.1530	3.1482	0.8208	0.1464	0.9672		13,485.4602	13,485.4602	0.8296		13,506.1997
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2301	0.1637	2.1892	5.9100e-003	0.5589	4.6700e-003	0.5636	0.1482	4.3000e-003	0.1525		588.0564	588.0564	0.0185		588.5199
Total	1.5538	39.5628	11.8773	0.1303	3.5541	0.1577	3.7117	0.9690	0.1507	1.1197		14,073.5166	14,073.5166	0.8481		14,094.7196

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	lb/day										lb/day					

Fugitive Dust					0.3430	0.0000	0.3430	0.1615	0.0000	0.1615			0.0000			0.0000
Off-Road	0.8674	7.8729	7.6226	0.0120		0.4672	0.4672		0.4457	0.4457	0.0000	1,147.2352	1,147.2352	0.2169		1,152.6578
Total	0.8674	7.8729	7.6226	0.0120	0.3430	0.4672	0.8102	0.1615	0.4457	0.6071	0.0000	1,147.2352	1,147.2352	0.2169		1,152.6578

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	lb/day										lb/day					
Hauling	1.3237	39.3991	9.6881	0.1244	1.9526	0.1530	2.1056	0.5649	0.1464	0.7113		13,485.4602	13,485.4602	0.8296		13,506.1997
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2301	0.1637	2.1892	5.9100e-003	0.3354	4.6700e-003	0.3401	0.0934	4.3000e-003	0.0977		588.0564	588.0564	0.0185		588.5199
Total	1.5538	39.5628	11.8773	0.1303	2.2880	0.1577	2.4456	0.6583	0.1507	0.8090		14,073.5166	14,073.5166	0.8481		14,094.7196

3.9 Site Preparation (Tower 1B) - 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	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.6853	8.4307	4.0942	9.7400e-003		0.3353	0.3353		0.3085	0.3085		943.4872	943.4872	0.3051		951.1158
Total	0.6853	8.4307	4.0942	9.7400e-003	0.0000	0.3353	0.3353	0.0000	0.3085	0.3085		943.4872	943.4872	0.3051		951.1158

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	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0920	0.0655	0.8757	2.3600e-003	0.2236	1.8700e-003	0.2254	0.0593	1.7200e-003	0.0610		235.2226	235.2226	7.4200e-003		235.4080
Total	0.0920	0.0655	0.8757	2.3600e-003	0.2236	1.8700e-003	0.2254	0.0593	1.7200e-003	0.0610		235.2226	235.2226	7.4200e-003		235.4080

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	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.6853	8.4307	4.0942	9.7400e-003		0.3353	0.3353		0.3085	0.3085	0.0000	943.4872	943.4872	0.3051		951.1158
Total	0.6853	8.4307	4.0942	9.7400e-003	0.0000	0.3353	0.3353	0.0000	0.3085	0.3085	0.0000	943.4872	943.4872	0.3051		951.1158

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
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Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0920	0.0655	0.8757	2.3600e-003	0.1342	1.8700e-003	0.1360	0.0373	1.7200e-003	0.0391		235.2226	235.2226	7.4200e-003		235.4080
Total	0.0920	0.0655	0.8757	2.3600e-003	0.1342	1.8700e-003	0.1360	0.0373	1.7200e-003	0.0391		235.2226	235.2226	7.4200e-003		235.4080

3.10 Building Construction (Tower 1B) - 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	lb/day										lb/day					
Off-Road	0.8617	8.8523	7.3875	0.0114		0.5224	0.5224		0.4806	0.4806		1,102.9781	1,102.9781	0.3567		1,111.8962
Total	0.8617	8.8523	7.3875	0.0114		0.5224	0.5224		0.4806	0.4806		1,102.9781	1,102.9781	0.3567		1,111.8962

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	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1707	5.1059	1.3378	0.0125	0.3073	0.0240	0.3313	0.0885	0.0230	0.1115		1,329.7185	1,329.7185	0.0811		1,331.7471
Worker	0.8284	0.5893	7.8812	0.0213	2.0120	0.0168	2.0288	0.5336	0.0155	0.5491		2,117.0032	2,117.0032	0.0667		2,118.6718

Total	0.9991	5.6952	9.2190	0.0337	2.3193	0.0409	2.3601	0.6221	0.0385	0.6605		3,446.7217	3,446.7217	0.1479		3,450.4189
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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	lb/day										lb/day					
Off-Road	0.8617	8.8523	7.3875	0.0114		0.5224	0.5224		0.4806	0.4806	0.0000	1,102.9781	1,102.9781	0.3567		1,111.8962
Total	0.8617	8.8523	7.3875	0.0114		0.5224	0.5224		0.4806	0.4806	0.0000	1,102.9781	1,102.9781	0.3567		1,111.8962

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	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1707	5.1059	1.3378	0.0125	0.2066	0.0240	0.2306	0.0638	0.0230	0.0867		1,329.7185	1,329.7185	0.0811		1,331.7471
Worker	0.8284	0.5893	7.8812	0.0213	1.2074	0.0168	1.2242	0.3361	0.0155	0.3516		2,117.0032	2,117.0032	0.0667		2,118.6718
Total	0.9991	5.6952	9.2190	0.0337	1.4139	0.0409	1.4548	0.3998	0.0385	0.4383		3,446.7217	3,446.7217	0.1479		3,450.4189

3.10 Building Construction (Tower 1B) - 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	lb/day										lb/day					
Off-Road	0.7750	7.9850	7.2637	0.0114		0.4475	0.4475		0.4117	0.4117		1,103.2158	1,103.2158	0.3568		1,112.1358
Total	0.7750	7.9850	7.2637	0.0114		0.4475	0.4475		0.4117	0.4117		1,103.2158	1,103.2158	0.3568		1,112.1358

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	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1459	4.6603	1.2183	0.0123	0.3073	9.5300e-003	0.3168	0.0885	9.1100e-003	0.0976		1,319.4270	1,319.4270	0.0777		1,321.3703
Worker	0.7716	0.5304	7.2499	0.0206	2.0120	0.0163	2.0282	0.5336	0.0150	0.5486		2,049.7857	2,049.7857	0.0604		2,051.2957
Total	0.9175	5.1906	8.4683	0.0329	2.3193	0.0258	2.3451	0.6221	0.0241	0.6462		3,369.2128	3,369.2128	0.1381		3,372.6660

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	lb/day										lb/day					

Off-Road	0.7750	7.9850	7.2637	0.0114		0.4475	0.4475		0.4117	0.4117	0.0000	1,103.2158	1,103.2158	0.3568		1,112.1358
Total	0.7750	7.9850	7.2637	0.0114		0.4475	0.4475		0.4117	0.4117	0.0000	1,103.2158	1,103.2158	0.3568		1,112.1358

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	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1459	4.6603	1.2183	0.0123	0.2066	9.5300e-003	0.2161	0.0638	9.1100e-003	0.0729		1,319.4270	1,319.4270	0.0777		1,321.3703
Worker	0.7716	0.5304	7.2499	0.0206	1.2074	0.0163	1.2236	0.3361	0.0150	0.3511		2,049.7857	2,049.7857	0.0604		2,051.2957
Total	0.9175	5.1906	8.4683	0.0329	1.4140	0.0258	1.4397	0.3999	0.0241	0.4239		3,369.2128	3,369.2128	0.1381		3,372.6660

3.11 Architectural Coating (Tower 1B) - 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	lb/day										lb/day					
Archit. Coating	6.1671					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309
Total	6.3860	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309

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	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0857	0.0589	0.8056	2.2900e-003	0.2236	1.8100e-003	0.2254	0.0593	1.6600e-003	0.0610		227.7540	227.7540	6.7100e-003		227.9217
Total	0.0857	0.0589	0.8056	2.2900e-003	0.2236	1.8100e-003	0.2254	0.0593	1.6600e-003	0.0610		227.7540	227.7540	6.7100e-003		227.9217

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	lb/day										lb/day					
Archit. Coating	6.1671					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941	0.0000	281.4481	281.4481	0.0193		281.9309
Total	6.3860	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941	0.0000	281.4481	281.4481	0.0193		281.9309

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
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Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0857	0.0589	0.8056	2.2900e-003	0.1342	1.8100e-003	0.1360	0.0373	1.6600e-003	0.0390		227.7540	227.7540	6.7100e-003		227.9217
Total	0.0857	0.0589	0.8056	2.2900e-003	0.1342	1.8100e-003	0.1360	0.0373	1.6600e-003	0.0390		227.7540	227.7540	6.7100e-003		227.9217

3.11 Architectural Coating (Tower 1B) - 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	lb/day										lb/day					
Archit. Coating	6.1671					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
Total	6.3716	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062

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	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0803	0.0532	0.7432	2.2100e-003	0.2236	1.7500e-003	0.2253	0.0593	1.6100e-003	0.0609		219.7425	219.7425	6.0600e-003		219.8941

Total	0.0803	0.0532	0.7432	2.2100e-003	0.2236	1.7500e-003	0.2253	0.0593	1.6100e-003	0.0609		219.7425	219.7425	6.0600e-003		219.8941
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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	lb/day										lb/day					
Archit. Coating	6.1671					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062
Total	6.3716	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062

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	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0803	0.0532	0.7432	2.2100e-003	0.1342	1.7500e-003	0.1359	0.0373	1.6100e-003	0.0390		219.7425	219.7425	6.0600e-003		219.8941
Total	0.0803	0.0532	0.7432	2.2100e-003	0.1342	1.7500e-003	0.1359	0.0373	1.6100e-003	0.0390		219.7425	219.7425	6.0600e-003		219.8941

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	lb/day										lb/day					
Mitigated	1.7875	8.6195	24.8886	0.0910	7.4193	0.0732	7.4925	1.9855	0.0683	2.0538		9,257.7420	9,257.7420	0.4606		9,269.2580
Unmitigated	1.7875	8.6195	24.8886	0.0910	7.4193	0.0732	7.4925	1.9855	0.0683	2.0538		9,257.7420	9,257.7420	0.4606		9,269.2580

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments High Rise	702.88	702.88	702.88	2,703,805	2,703,805
Enclosed Parking with Elevator	0.00	0.00	0.00		
General Office Building	215.39	62.71	26.76	536,798	536,798
Strip Mall	48.04	48.04	48.04	91,396	91,396
Total	966.31	813.62	777.68	3,331,999	3,331,999

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments High Rise	14.70	5.90	8.70	40.00	19.00	41.00	100	0	0
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Strip Mall	16.60	8.40	6.90	16.60	64.40	19.00	45	40	15

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments High Rise	0.546501	0.044961	0.204016	0.120355	0.015740	0.006196	0.020131	0.030678	0.002515	0.002201	0.005142	0.000687	0.000876

Enclosed Parking with Elevator	0.546501	0.044961	0.204016	0.120355	0.015740	0.006196	0.020131	0.030678	0.002515	0.002201	0.005142	0.000687	0.000876
General Office Building	0.546501	0.044961	0.204016	0.120355	0.015740	0.006196	0.020131	0.030678	0.002515	0.002201	0.005142	0.000687	0.000876
Strip Mall	0.546501	0.044961	0.204016	0.120355	0.015740	0.006196	0.020131	0.030678	0.002515	0.002201	0.005142	0.000687	0.000876

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Natural Gas Mitigated	0.1120	0.9612	0.4390	6.1100e-003		0.0774	0.0774		0.0774	0.0774		1,221.5772	1,221.5772	0.0234	0.0224	1,228.8364
Natural Gas Unmitigated	0.1120	0.9612	0.4390	6.1100e-003		0.0774	0.0774		0.0774	0.0774		1,221.5772	1,221.5772	0.0234	0.0224	1,228.8364

5.2 Energy by Land Use - Natural Gas

Unmitigated

	Natural Gas 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	lb/day										lb/day					
Apartments High Rise	9646.22	0.1040	0.8890	0.3783	5.6700e-003		0.0719	0.0719		0.0719	0.0719		1,134.8497	1,134.8497	0.0218	0.0208	1,141.5935
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

General Office Building	727.074	7.8400e-003	0.0713	0.0599	4.3000e-004		5.4200e-003	5.4200e-003		5.4200e-003	5.4200e-003		85.5382	85.5382	1.6400e-003	1.5700e-003	86.0465
Strip Mall	10.1096	1.1000e-004	9.9000e-004	8.3000e-004	1.0000e-005		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		1.1894	1.1894	2.0000e-005	2.0000e-005	1.1964
Total		0.1120	0.9612	0.4390	6.1100e-003		0.0774	0.0774		0.0774	0.0774		1,221.5772	1,221.5772	0.0234	0.0224	1,228.8364

Mitigated

	Natural Gas 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	lb/day										lb/day					
Apartments High Rise	9.64622	0.1040	0.8890	0.3783	5.6700e-003		0.0719	0.0719		0.0719	0.0719		1,134.8497	1,134.8497	0.0218	0.0208	1,141.5935
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	0.727074	7.8400e-003	0.0713	0.0599	4.3000e-004		5.4200e-003	5.4200e-003		5.4200e-003	5.4200e-003		85.5382	85.5382	1.6400e-003	1.5700e-003	86.0465
Strip Mall	0.0101096	1.1000e-004	9.9000e-004	8.3000e-004	1.0000e-005		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		1.1894	1.1894	2.0000e-005	2.0000e-005	1.1964
Total		0.1120	0.9612	0.4390	6.1100e-003		0.0774	0.0774		0.0774	0.0774		1,221.5772	1,221.5772	0.0234	0.0224	1,228.8364

6.0 Area Detail

6.1 Mitigation Measures Area

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

Landscaping	0.9533	0.3639	31.5537	1.6600e-003		0.1743	0.1743		0.1743	0.1743		56.7561	56.7561	0.0548		58.1253
Total	5.7707	0.3639	31.5537	1.6600e-003		0.1743	0.1743		0.1743	0.1743	0.0000	56.7561	56.7561	0.0548	0.0000	58.1253

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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11.0 Vegetation

Weingart Projects Future Construction+Operations Site 1 - Los Angeles-South Coast County, Annual

Weingart Projects Future Construction+Operations Site 1
Los Angeles-South Coast County, Annual

1.0 Project Characteristics**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	25.49	1000sqft	0.20	25,493.00	0
Enclosed Parking with Elevator	13.70	1000sqft	0.10	13,700.00	0
Apartments High Rise	382.00	Dwelling Unit	0.30	194,831.00	1093
Strip Mall	2.25	1000sqft	0.03	2,250.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	11			Operational Year	2022
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MW hr)	1227.89	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Developer information for Phase 1

Construction Phase - Developer information

Trips and VMT - Assumes 10CY capacity per haul truck; worst-case scenario haul trip length

Demolition - Assumes 18,360 sf of asphalt parking lot @ 6" removed @ 2,400 lb/CY for Tower 1A; assumes 4,870 CY of material @400 lb/CY for Tower 1B

Grading - Developer information

Vehicle Trips - LLG Weingart Projects traffic analysis; March 6, 2018

Woodstoves - Developer information

Construction Off-road Equipment Mitigation - Assumes SCAQMD Rule 403 control efficiencies

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	46
tblConstructionPhase	NumDays	5.00	240.00
tblConstructionPhase	NumDays	5.00	219.00
tblConstructionPhase	NumDays	100.00	241.00
tblConstructionPhase	NumDays	100.00	241.00
tblConstructionPhase	NumDays	10.00	13.00
tblConstructionPhase	NumDays	10.00	16.00
tblConstructionPhase	NumDays	2.00	9.00
tblConstructionPhase	NumDays	2.00	7.00
tblConstructionPhase	NumDays	1.00	26.00
tblConstructionPhase	NumDays	1.00	25.00
tblFireplaces	NumberGas	324.70	0.00
tblFireplaces	NumberNoFireplace	38.20	382.00
tblFireplaces	NumberWood	19.10	0.00
tblGrading	AcresOfGrading	0.00	0.63
tblGrading	AcresOfGrading	0.00	0.63
tblGrading	AcresOfGrading	13.00	0.50
tblGrading	AcresOfGrading	12.50	0.00
tblGrading	MaterialExported	0.00	10,244.00
tblGrading	MaterialExported	0.00	4,800.00
tblLandUse	LandUseSquareFeet	25,490.00	25,493.00
tblLandUse	LandUseSquareFeet	382,000.00	194,831.00
tblLandUse	LotAcreage	0.59	0.20
tblLandUse	LotAcreage	0.31	0.10
tblLandUse	LotAcreage	6.16	0.30
tblLandUse	LotAcreage	0.05	0.03

tblTripsAndVMT	HaulingTripLength	20.00	50.00
tblTripsAndVMT	HaulingTripLength	20.00	50.00
tblTripsAndVMT	HaulingTripLength	20.00	50.00
tblTripsAndVMT	HaulingTripLength	20.00	50.00
tblTripsAndVMT	HaulingTripLength	20.00	50.00
tblTripsAndVMT	HaulingTripNumber	40.00	34.00
tblTripsAndVMT	HaulingTripNumber	1,281.00	1,024.00
tblTripsAndVMT	HaulingTripNumber	96.00	487.00
tblTripsAndVMT	HaulingTripNumber	600.00	480.00
tblTripsAndVMT	WorkerTripNumber	58.00	20.00
tblTripsAndVMT	WorkerTripNumber	10.00	50.00
tblTripsAndVMT	WorkerTripNumber	5.00	20.00
tblTripsAndVMT	WorkerTripNumber	290.00	180.00
tblTripsAndVMT	WorkerTripNumber	58.00	20.00
tblTripsAndVMT	WorkerTripNumber	13.00	10.00
tblTripsAndVMT	WorkerTripNumber	10.00	50.00
tblTripsAndVMT	WorkerTripNumber	5.00	20.00
tblTripsAndVMT	WorkerTripNumber	290.00	180.00
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	HO_TTP	40.60	41.00
tblVehicleTrips	HS_TTP	19.20	19.00
tblVehicleTrips	HW_TTP	40.20	40.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	ST_TR	4.98	1.84
tblVehicleTrips	ST_TR	42.04	21.35
tblVehicleTrips	SU_TR	3.65	1.84
tblVehicleTrips	SU_TR	20.43	21.35
tblVehicleTrips	WD_TR	4.20	1.84
tblVehicleTrips	WD_TR	11.03	8.45

tblVehicleTrips	WD_TR	44.32	21.35
tblWoodstoves	NumberCatalytic	19.10	0.00
tblWoodstoves	NumberNoncatalytic	19.10	0.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2019	0.0965	1.0490	0.7670	2.6600e-003	0.1071	0.0323	0.1393	0.0292	0.0300	0.0591	0.0000	249.5262	249.5262	0.0262	0.0000	250.1816
2020	1.0808	3.3616	3.3785	8.7100e-003	0.3626	0.1378	0.5003	0.0969	0.1284	0.2253	0.0000	790.6998	790.6998	0.1023	0.0000	793.2582
2021	0.9069	1.2845	1.5623	4.0900e-003	0.2044	0.0511	0.2556	0.0548	0.0480	0.1028	0.0000	371.6895	371.6895	0.0400	0.0000	372.6901
2022	0.0613	0.0140	0.0239	5.0000e-005	2.0800e-003	7.9000e-004	2.8700e-003	5.5000e-004	7.9000e-004	1.3400e-003	0.0000	4.2385	4.2385	2.1000e-004	0.0000	4.2437
Maximum	1.0808	3.3616	3.3785	8.7100e-003	0.3626	0.1378	0.5003	0.0969	0.1284	0.2253	0.0000	790.6998	790.6998	0.1023	0.0000	793.2582

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					
2019	0.0965	1.0490	0.7670	2.6600e-003	0.0642	0.0323	0.0964	0.0183	0.0300	0.0483	0.0000	249.5261	249.5261	0.0262	0.0000	250.1816
2020	1.0808	3.3616	3.3785	8.7100e-003	0.2189	0.1378	0.3566	0.0618	0.1284	0.1902	0.0000	790.6994	790.6994	0.1023	0.0000	793.2578

2021	0.9069	1.2845	1.5622	4.0900e-003	0.1247	0.0511	0.1758	0.0353	0.0480	0.0833	0.0000	371.6894	371.6894	0.0400	0.0000	372.6900
2022	0.0613	0.0140	0.0239	5.0000e-005	1.2500e-003	7.9000e-004	2.0400e-003	3.5000e-004	7.9000e-004	1.1400e-003	0.0000	4.2385	4.2385	2.1000e-004	0.0000	4.2437
Maximum	1.0808	3.3616	3.3785	8.7100e-003	0.2189	0.1378	0.3566	0.0618	0.1284	0.1902	0.0000	790.6994	790.6994	0.1023	0.0000	793.2578

	ROG	NOx	CO	SO2	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	39.52	0.00	29.75	36.23	0.00	16.92	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	8-1-2019	10-31-2019	0.6835	0.6835
2	11-1-2019	1-31-2020	0.5816	0.5816
3	2-1-2020	4-30-2020	0.7655	0.7655
4	5-1-2020	7-31-2020	1.4792	1.4792
5	8-1-2020	10-31-2020	1.2154	1.2154
6	11-1-2020	1-31-2021	1.0152	1.0152
7	2-1-2021	4-30-2021	0.6599	0.6599
8	5-1-2021	7-31-2021	0.7533	0.7533
9	8-1-2021	10-31-2021	0.3127	0.3127
10	11-1-2021	1-31-2022	0.2523	0.2523
		Highest	1.4792	1.4792

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	0.9983	0.0455	3.9442	2.1000e-004		0.0218	0.0218		0.0218	0.0218	0.0000	6.4360	6.4360	6.2100e-003	0.0000	6.5913
Energy	0.0204	0.1754	0.0801	1.1100e-003		0.0141	0.0141		0.0141	0.0141	0.0000	1,290.8615	1,290.8615	0.0296	9.0300e-003	1,294.2913

Mobile	0.2942	1.5619	4.1488	0.0153	1.2646	0.0127	1.2774	0.3390	0.0119	0.3509	0.0000	1,408.5617	1,408.5617	0.0720	0.0000	1,410.3616
Waste						0.0000	0.0000		0.0000	0.0000	40.9616	0.0000	40.9616	2.4208	0.0000	101.4805
Water						0.0000	0.0000		0.0000	0.0000	9.3863	329.4691	338.8554	0.9718	0.0244	370.4146
Total	1.3129	1.7828	8.1732	0.0166	1.2646	0.0486	1.3133	0.3390	0.0478	0.3868	50.3478	3,035.3283	3,085.6761	3.5004	0.0334	3,183.1393

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	0.9983	0.0455	3.9442	2.1000e-004		0.0218	0.0218		0.0218	0.0218	0.0000	6.4360	6.4360	6.2100e-003	0.0000	6.5913
Energy	0.0204	0.1754	0.0801	1.1100e-003		0.0141	0.0141		0.0141	0.0141	0.0000	1,290.8615	1,290.8615	0.0296	9.0300e-003	1,294.2913
Mobile	0.2942	1.5619	4.1488	0.0153	1.2646	0.0127	1.2774	0.3390	0.0119	0.3509	0.0000	1,408.5617	1,408.5617	0.0720	0.0000	1,410.3616
Waste						0.0000	0.0000		0.0000	0.0000	40.9616	0.0000	40.9616	2.4208	0.0000	101.4805
Water						0.0000	0.0000		0.0000	0.0000	9.3863	329.4691	338.8554	0.9718	0.0244	370.4146
Total	1.3129	1.7828	8.1732	0.0166	1.2646	0.0486	1.3133	0.3390	0.0478	0.3868	50.3478	3,035.3283	3,085.6761	3.5004	0.0334	3,183.1393

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition (Tower 1A)	Demolition	8/1/2019	8/19/2019	5	13	

2	Grading (Tower 1A)	Grading	8/20/2019	8/30/2019	5	9
3	Site Preparation (Tower 1A)	Site Preparation	9/2/2019	10/7/2019	5	26
4	Building Construction (Tower 1A)	Building Construction	10/8/2019	9/8/2020	5	241
5	Architectural Coating (Tower 1A)	Architectural Coating	3/23/2020	1/21/2021	5	219
6	Demolition (Tower 1B)	Demolition	7/1/2020	7/22/2020	5	16
7	Grading (Tower 1B)	Grading	7/23/2020	7/31/2020	5	7
8	Site Preparation (Tower 1B)	Site Preparation	8/3/2020	9/4/2020	5	25
9	Building Construction (Tower 1B)	Building Construction	9/7/2020	8/9/2021	5	241
10	Architectural Coating (Tower 1B)	Architectural Coating	2/26/2021	1/27/2022	5	240

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0.1

Residential Indoor: 394,533; Residential Outdoor: 131,511; Non-Residential Indoor: 41,615; Non-Residential Outdoor: 13,872; Striped Parking

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition (Tower 1A)	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition (Tower 1A)	Rubber Tired Dozers	1	1.00	247	0.40
Demolition (Tower 1A)	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Site Preparation (Tower 1A)	Graders	1	8.00	187	0.41
Site Preparation (Tower 1A)	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading (Tower 1A)	Concrete/Industrial Saws	1	8.00	81	0.73
Grading (Tower 1A)	Rubber Tired Dozers	1	1.00	247	0.40
Grading (Tower 1A)	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Building Construction (Tower 1A)	Cranes	1	4.00	231	0.29
Building Construction (Tower 1A)	Forklifts	2	6.00	89	0.20
Building Construction (Tower 1A)	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Architectural Coating (Tower 1A)	Air Compressors	1	6.00	78	0.48
Architectural Coating (Tower 1A)	Cement and Mortar Mixers	4	6.00	9	0.56

Architectural Coating (Tower 1A)	Pavers	1	7.00	130	0.42
Architectural Coating (Tower 1A)	Rollers	1	7.00	80	0.38
Architectural Coating (Tower 1A)	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Demolition (Tower 1B)	Air Compressors	1	6.00	78	0.48
Demolition (Tower 1B)	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition (Tower 1B)	Rubber Tired Dozers	1	1.00	247	0.40
Demolition (Tower 1B)	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Grading (Tower 1B)	Concrete/Industrial Saws	1	8.00	81	0.73
Grading (Tower 1B)	Rubber Tired Dozers	1	1.00	247	0.40
Grading (Tower 1B)	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Site Preparation (Tower 1B)	Graders	1	8.00	187	0.41
Site Preparation (Tower 1B)	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Building Construction (Tower 1B)	Cranes	1	4.00	231	0.29
Building Construction (Tower 1B)	Forklifts	2	6.00	89	0.20
Building Construction (Tower 1B)	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Architectural Coating (Tower 1B)	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition (Tower 1A)	4	10.00	0.00	34.00	14.70	6.90	50.00	LD_Mix	HDT_Mix	HHDT
Grading (Tower 1A)	4	50.00	0.00	1,024.00	14.70	6.90	50.00	LD_Mix	HDT_Mix	HHDT
Site Preparation (Tower 1A)	2	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction (Tower 1A)	5	180.00	48.00	0.00	14.70	6.90	50.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating (Tower 1A)	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Demolition (Tower 1B)	5	10.00	0.00	487.00	14.70	6.90	50.00	LD_Mix	HDT_Mix	HHDT
Grading (Tower 1B)	4	50.00	0.00	480.00	14.70	6.90	50.00	LD_Mix	HDT_Mix	HHDT
Site Preparation (Tower 1B)	2	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction (Tower 1B)	5	180.00	48.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating (Tower 1B)	1	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Replace Ground Cover

Water Exposed Area

Clean Paved Roads

3.2 Demolition (Tower 1A) - 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					4.3700e-003	0.0000	4.3700e-003	6.6000e-004	0.0000	6.6000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.1900e-003	0.0559	0.0500	8.0000e-005		3.4900e-003	3.4900e-003		3.3300e-003	3.3300e-003	0.0000	6.8382	6.8382	1.3000e-003	0.0000	6.8708
Total	6.1900e-003	0.0559	0.0500	8.0000e-005	4.3700e-003	3.4900e-003	7.8600e-003	6.6000e-004	3.3300e-003	3.9900e-003	0.0000	6.8382	6.8382	1.3000e-003	0.0000	6.8708

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	3.5000e-004	0.0110	2.4700e-003	3.0000e-005	7.3000e-004	5.0000e-005	7.8000e-004	2.0000e-004	4.0000e-005	2.4000e-004	0.0000	3.0574	3.0574	1.9000e-004	0.0000	3.0621
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.3000e-004	2.7000e-004	2.9500e-003	1.0000e-005	7.1000e-004	1.0000e-005	7.2000e-004	1.9000e-004	1.0000e-005	1.9000e-004	0.0000	0.6847	0.6847	2.0000e-005	0.0000	0.6853
Total	6.8000e-004	0.0112	5.4200e-003	4.0000e-005	1.4400e-003	6.0000e-005	1.5000e-003	3.9000e-004	5.0000e-005	4.3000e-004	0.0000	3.7420	3.7420	2.1000e-004	0.0000	3.7474

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					1.6200e-003	0.0000	1.6200e-003	2.4000e-004	0.0000	2.4000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.1900e-003	0.0559	0.0500	8.0000e-005		3.4900e-003	3.4900e-003		3.3300e-003	3.3300e-003	0.0000	6.8381	6.8381	1.3000e-003	0.0000	6.8707
Total	6.1900e-003	0.0559	0.0500	8.0000e-005	1.6200e-003	3.4900e-003	5.1100e-003	2.4000e-004	3.3300e-003	3.5700e-003	0.0000	6.8381	6.8381	1.3000e-003	0.0000	6.8707

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	3.5000e-004	0.0110	2.4700e-003	3.0000e-005	4.8000e-004	5.0000e-005	5.2000e-004	1.4000e-004	4.0000e-005	1.8000e-004	0.0000	3.0574	3.0574	1.9000e-004	0.0000	3.0621
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.3000e-004	2.7000e-004	2.9500e-003	1.0000e-005	4.3000e-004	1.0000e-005	4.3000e-004	1.2000e-004	1.0000e-005	1.3000e-004	0.0000	0.6847	0.6847	2.0000e-005	0.0000	0.6853
Total	6.8000e-004	0.0112	5.4200e-003	4.0000e-005	9.1000e-004	6.0000e-005	9.5000e-004	2.6000e-004	5.0000e-005	3.1000e-004	0.0000	3.7420	3.7420	2.1000e-004	0.0000	3.7474

3.3 Grading (Tower 1A) - 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
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Category	tons/yr										MT/yr					
Fugitive Dust					4.3000e-003	0.0000	4.3000e-003	1.9900e-003	0.0000	1.9900e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.2900e-003	0.0387	0.0346	5.0000e-005		2.4200e-003	2.4200e-003		2.3100e-003	2.3100e-003	0.0000	4.7341	4.7341	9.0000e-004	0.0000	4.7567
Total	4.2900e-003	0.0387	0.0346	5.0000e-005	4.3000e-003	2.4200e-003	6.7200e-003	1.9900e-003	2.3100e-003	4.3000e-003	0.0000	4.7341	4.7341	9.0000e-004	0.0000	4.7567

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	0.0106	0.3299	0.0745	9.4000e-004	0.0220	1.3900e-003	0.0234	6.0300e-003	1.3300e-003	7.3700e-003	0.0000	92.0801	92.0801	5.7200e-003	0.0000	92.2230
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.1300e-003	9.4000e-004	0.0102	3.0000e-005	2.4700e-003	2.0000e-005	2.4900e-003	6.5000e-004	2.0000e-005	6.7000e-004	0.0000	2.3701	2.3701	8.0000e-005	0.0000	2.3721
Total	0.0118	0.3308	0.0847	9.7000e-004	0.0245	1.4100e-003	0.0259	6.6800e-003	1.3500e-003	8.0400e-003	0.0000	94.4501	94.4501	5.8000e-003	0.0000	94.5951

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					1.5900e-003	0.0000	1.5900e-003	7.4000e-004	0.0000	7.4000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.2900e-003	0.0387	0.0346	5.0000e-005		2.4200e-003	2.4200e-003		2.3100e-003	2.3100e-003	0.0000	4.7341	4.7341	9.0000e-004	0.0000	4.7567

Total	4.2900e-003	0.0387	0.0346	5.0000e-005	1.5900e-003	2.4200e-003	4.0100e-003	7.4000e-004	2.3100e-003	3.0500e-003	0.0000	4.7341	4.7341	9.0000e-004	0.0000	4.7567
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Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0106	0.3299	0.0745	9.4000e-004	0.0144	1.3900e-003	0.0158	4.1700e-003	1.3300e-003	5.5000e-003	0.0000	92.0801	92.0801	5.7200e-003	0.0000	92.2230
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.1300e-003	9.4000e-004	0.0102	3.0000e-005	1.4800e-003	2.0000e-005	1.5000e-003	4.1000e-004	2.0000e-005	4.3000e-004	0.0000	2.3701	2.3701	8.0000e-005	0.0000	2.3721
Total	0.0118	0.3308	0.0847	9.7000e-004	0.0159	1.4100e-003	0.0173	4.5800e-003	1.3500e-003	5.9300e-003	0.0000	94.4501	94.4501	5.8000e-003	0.0000	94.5951

3.4 Site Preparation (Tower 1A) - 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					2.7000e-004	0.0000	2.7000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.3500e-003	0.1159	0.0538	1.3000e-004		4.7700e-003	4.7700e-003		4.3900e-003	4.3900e-003	0.0000	11.3826	11.3826	3.6000e-003	0.0000	11.4727
Total	9.3500e-003	0.1159	0.0538	1.3000e-004	2.7000e-004	4.7700e-003	5.0400e-003	3.0000e-005	4.3900e-003	4.4200e-003	0.0000	11.3826	11.3826	3.6000e-003	0.0000	11.4727

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.3000e-003	1.0900e-003	0.0118	3.0000e-005	2.8500e-003	3.0000e-005	2.8700e-003	7.6000e-004	2.0000e-005	7.8000e-004	0.0000	2.7387	2.7387	9.0000e-005	0.0000	2.7411
Total	1.3000e-003	1.0900e-003	0.0118	3.0000e-005	2.8500e-003	3.0000e-005	2.8700e-003	7.6000e-004	2.0000e-005	7.8000e-004	0.0000	2.7387	2.7387	9.0000e-005	0.0000	2.7411

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					1.0000e-004	0.0000	1.0000e-004	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.3500e-003	0.1159	0.0538	1.3000e-004		4.7700e-003	4.7700e-003		4.3900e-003	4.3900e-003	0.0000	11.3826	11.3826	3.6000e-003	0.0000	11.4727
Total	9.3500e-003	0.1159	0.0538	1.3000e-004	1.0000e-004	4.7700e-003	4.8700e-003	1.0000e-005	4.3900e-003	4.4000e-003	0.0000	11.3826	11.3826	3.6000e-003	0.0000	11.4727

Mitigated Construction Off-Site

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

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.3000e-003	1.0900e-003	0.0118	3.0000e-005	1.7100e-003	3.0000e-005	1.7400e-003	4.8000e-004	2.0000e-005	5.0000e-004	0.0000	2.7387	2.7387	9.0000e-005	0.0000	2.7411
Total	1.3000e-003	1.0900e-003	0.0118	3.0000e-005	1.7100e-003	3.0000e-005	1.7400e-003	4.8000e-004	2.0000e-005	5.0000e-004	0.0000	2.7387	2.7387	9.0000e-005	0.0000	2.7411

3.5 Building Construction (Tower 1A) - 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	0.0292	0.2995	0.2301	3.5000e-004		0.0185	0.0185		0.0170	0.0170	0.0000	31.2016	31.2016	9.8700e-003	0.0000	31.4484
Total	0.0292	0.2995	0.2301	3.5000e-004		0.0185	0.0185		0.0170	0.0170	0.0000	31.2016	31.2016	9.8700e-003	0.0000	31.4484

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.2000e-003	0.1729	0.0473	3.8000e-004	9.2200e-003	1.0900e-003	0.0103	2.6600e-003	1.0400e-003	3.7000e-003	0.0000	36.6094	36.6094	2.4400e-003	0.0000	36.6705
Worker	0.0275	0.0229	0.2492	6.4000e-004	0.0602	5.3000e-004	0.0607	0.0160	4.9000e-004	0.0165	0.0000	57.8293	57.8293	1.9900e-003	0.0000	57.8790
Total	0.0337	0.1959	0.2965	1.0200e-003	0.0694	1.6200e-003	0.0710	0.0186	1.5300e-003	0.0202	0.0000	94.4388	94.4388	4.4300e-003	0.0000	94.5496

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	0.0292	0.2995	0.2301	3.5000e-004		0.0185	0.0185		0.0170	0.0170	0.0000	31.2016	31.2016	9.8700e-003	0.0000	31.4484
Total	0.0292	0.2995	0.2301	3.5000e-004		0.0185	0.0185		0.0170	0.0170	0.0000	31.2016	31.2016	9.8700e-003	0.0000	31.4484

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.2000e-003	0.1729	0.0473	3.8000e-004	6.2200e-003	1.0900e-003	7.3100e-003	1.9200e-003	1.0400e-003	2.9600e-003	0.0000	36.6094	36.6094	2.4400e-003	0.0000	36.6705
Worker	0.0275	0.0229	0.2492	6.4000e-004	0.0362	5.3000e-004	0.0367	0.0101	4.9000e-004	0.0106	0.0000	57.8293	57.8293	1.9900e-003	0.0000	57.8790
Total	0.0337	0.1959	0.2965	1.0200e-003	0.0424	1.6200e-003	0.0440	0.0120	1.5300e-003	0.0135	0.0000	94.4388	94.4388	4.4300e-003	0.0000	94.5496

3.5 Building Construction (Tower 1A) - 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	0.0776	0.7967	0.6649	1.0200e-003		0.0470	0.0470		0.0433	0.0433	0.0000	90.0544	90.0544	0.0291	0.0000	90.7826
Total	0.0776	0.7967	0.6649	1.0200e-003		0.0470	0.0470		0.0433	0.0433	0.0000	90.0544	90.0544	0.0291	0.0000	90.7826

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0157	0.4681	0.1267	1.1100e-003	0.0272	2.1800e-003	0.0294	7.8500e-003	2.0800e-003	9.9400e-003	0.0000	107.3201	107.3201	6.8200e-003	0.0000	107.4906
Worker	0.0748	0.0603	0.6668	1.8300e-003	0.1775	1.5100e-003	0.1790	0.0472	1.3900e-003	0.0485	0.0000	165.4588	165.4588	5.2100e-003	0.0000	165.5891
Total	0.0905	0.5284	0.7936	2.9400e-003	0.2047	3.6900e-003	0.2084	0.0550	3.4700e-003	0.0585	0.0000	272.7789	272.7789	0.0120	0.0000	273.0798

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	0.0776	0.7967	0.6649	1.0200e-003		0.0470	0.0470		0.0433	0.0433	0.0000	90.0543	90.0543	0.0291	0.0000	90.7825

Total	0.0776	0.7967	0.6649	1.0200e-003		0.0470	0.0470		0.0433	0.0433	0.0000	90.0543	90.0543	0.0291	0.0000	90.7825
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Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0157	0.4681	0.1267	1.1100e-003	0.0184	2.1800e-003	0.0205	5.6800e-003	2.0800e-003	7.7600e-003	0.0000	107.3201	107.3201	6.8200e-003	0.0000	107.4906
Worker	0.0748	0.0603	0.6668	1.8300e-003	0.1067	1.5100e-003	0.1083	0.0298	1.3900e-003	0.0312	0.0000	165.4588	165.4588	5.2100e-003	0.0000	165.5891
Total	0.0905	0.5284	0.7936	2.9400e-003	0.1251	3.6900e-003	0.1288	0.0355	3.4700e-003	0.0389	0.0000	272.7789	272.7789	0.0120	0.0000	273.0798

3.6 Architectural Coating (Tower 1A) - 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	0.6894					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1034	0.9089	0.9123	1.4500e-003		0.0516	0.0516		0.0487	0.0487	0.0000	121.8510	121.8510	0.0299	0.0000	122.5991
Total	0.7928	0.9089	0.9123	1.4500e-003		0.0516	0.0516		0.0487	0.0487	0.0000	121.8510	121.8510	0.0299	0.0000	122.5991

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.4200e-003	7.5900e-003	0.0840	2.3000e-004	0.0224	1.9000e-004	0.0225	5.9400e-003	1.8000e-004	6.1100e-003	0.0000	20.8356	20.8356	6.6000e-004	0.0000	20.8520
Total	9.4200e-003	7.5900e-003	0.0840	2.3000e-004	0.0224	1.9000e-004	0.0225	5.9400e-003	1.8000e-004	6.1100e-003	0.0000	20.8356	20.8356	6.6000e-004	0.0000	20.8520

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	0.6894					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1034	0.9089	0.9123	1.4500e-003		0.0516	0.0516		0.0487	0.0487	0.0000	121.8509	121.8509	0.0299	0.0000	122.5989
Total	0.7928	0.9089	0.9123	1.4500e-003		0.0516	0.0516		0.0487	0.0487	0.0000	121.8509	121.8509	0.0299	0.0000	122.5989

Mitigated Construction Off-Site

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

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.4200e-003	7.5900e-003	0.0840	2.3000e-004	0.0134	1.9000e-004	0.0136	3.7500e-003	1.8000e-004	3.9300e-003	0.0000	20.8356	20.8356	6.6000e-004	0.0000	20.8520
Total	9.4200e-003	7.5900e-003	0.0840	2.3000e-004	0.0134	1.9000e-004	0.0136	3.7500e-003	1.8000e-004	3.9300e-003	0.0000	20.8356	20.8356	6.6000e-004	0.0000	20.8520

3.6 Architectural Coating (Tower 1A) - 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	0.0507					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.0500e-003	0.0618	0.0668	1.1000e-004		3.3600e-003	3.3600e-003		3.1700e-003	3.1700e-003	0.0000	8.9593	8.9593	2.1800e-003	0.0000	9.0139
Total	0.0577	0.0618	0.0668	1.1000e-004		3.3600e-003	3.3600e-003		3.1700e-003	3.1700e-003	0.0000	8.9593	8.9593	2.1800e-003	0.0000	9.0139

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.5000e-004	5.0000e-004	5.6700e-003	2.0000e-005	1.6400e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.4834	1.4834	4.0000e-005	0.0000	1.4845
Total	6.5000e-004	5.0000e-004	5.6700e-003	2.0000e-005	1.6400e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.4834	1.4834	4.0000e-005	0.0000	1.4845

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	0.0507					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.0500e-003	0.0618	0.0668	1.1000e-004		3.3600e-003	3.3600e-003		3.1700e-003	3.1700e-003	0.0000	8.9593	8.9593	2.1800e-003	0.0000	9.0139
Total	0.0577	0.0618	0.0668	1.1000e-004		3.3600e-003	3.3600e-003		3.1700e-003	3.1700e-003	0.0000	8.9593	8.9593	2.1800e-003	0.0000	9.0139

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.5000e-004	5.0000e-004	5.6700e-003	2.0000e-005	9.9000e-004	1.0000e-005	1.0000e-003	2.8000e-004	1.0000e-005	2.9000e-004	0.0000	1.4834	1.4834	4.0000e-005	0.0000	1.4845
Total	6.5000e-004	5.0000e-004	5.6700e-003	2.0000e-005	9.9000e-004	1.0000e-005	1.0000e-003	2.8000e-004	1.0000e-005	2.9000e-004	0.0000	1.4834	1.4834	4.0000e-005	0.0000	1.4845

3.7 Demolition (Tower 1B) - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0104	0.0000	0.0104	1.5800e-003	0.0000	1.5800e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.8800e-003	0.0765	0.0756	1.2000e-004		4.6300e-003	4.6300e-003		4.4500e-003	4.4500e-003	0.0000	10.3686	10.3686	1.7300e-003	0.0000	10.4120
Total	8.8800e-003	0.0765	0.0756	1.2000e-004	0.0104	4.6300e-003	0.0151	1.5800e-003	4.4500e-003	6.0300e-003	0.0000	10.3686	10.3686	1.7300e-003	0.0000	10.4120

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	4.7200e-003	0.1462	0.0347	4.4000e-004	0.0105	5.4000e-004	0.0110	2.8700e-003	5.2000e-004	3.3900e-003	0.0000	43.3060	43.3060	2.6900e-003	0.0000	43.3733
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.7000e-003	3.0000e-004	3.2900e-003	1.0000e-005	8.8000e-004	1.0000e-005	8.8000e-004	2.3000e-004	1.0000e-005	2.4000e-004	0.0000	0.8171	0.8171	3.0000e-005	0.0000	0.8177
Total	5.0900e-003	0.1465	0.0380	4.5000e-004	0.0113	5.5000e-004	0.0119	3.1000e-003	5.3000e-004	3.6300e-003	0.0000	44.1231	44.1231	2.7200e-003	0.0000	44.1910

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					3.8600e-003	0.0000	3.8600e-003	5.8000e-004	0.0000	5.8000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.8800e-003	0.0765	0.0756	1.2000e-004		4.6300e-003	4.6300e-003		4.4500e-003	4.4500e-003	0.0000	10.3686	10.3686	1.7300e-003	0.0000	10.4119

Total	8.8800e-003	0.0765	0.0756	1.2000e-004	3.8600e-003	4.6300e-003	8.4900e-003	5.8000e-004	4.4500e-003	5.0300e-003	0.0000	10.3686	10.3686	1.7300e-003	0.0000	10.4119
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Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.7200e-003	0.1462	0.0347	4.4000e-004	6.8400e-003	5.4000e-004	7.3800e-003	1.9800e-003	5.2000e-004	2.5000e-003	0.0000	43.3060	43.3060	2.6900e-003	0.0000	43.3733
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.7000e-004	3.0000e-004	3.2900e-003	1.0000e-005	5.3000e-004	1.0000e-005	5.3000e-004	1.5000e-004	1.0000e-005	1.5000e-004	0.0000	0.8171	0.8171	3.0000e-005	0.0000	0.8177
Total	5.0900e-003	0.1465	0.0380	4.5000e-004	7.3700e-003	5.5000e-004	7.9100e-003	2.1300e-003	5.3000e-004	2.6500e-003	0.0000	44.1231	44.1231	2.7200e-003	0.0000	44.1910

3.8 Grading (Tower 1B) - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					3.2400e-003	0.0000	3.2400e-003	1.5300e-003	0.0000	1.5300e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.0400e-003	0.0276	0.0267	4.0000e-005		1.6400e-003	1.6400e-003		1.5600e-003	1.5600e-003	0.0000	3.6426	3.6426	6.9000e-004	0.0000	3.6599
Total	3.0400e-003	0.0276	0.0267	4.0000e-005	3.2400e-003	1.6400e-003	4.8800e-003	1.5300e-003	1.5600e-003	3.0900e-003	0.0000	3.6426	3.6426	6.9000e-004	0.0000	3.6599

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	4.6500e-003	0.1441	0.0342	4.3000e-004	0.0103	5.4000e-004	0.0108	2.8300e-003	5.1000e-004	3.3400e-003	0.0000	42.6835	42.6835	2.6500e-003	0.0000	42.7499
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.1000e-004	6.5000e-004	7.2000e-003	2.0000e-005	1.9200e-003	2.0000e-005	1.9300e-003	5.1000e-004	2.0000e-005	5.2000e-004	0.0000	1.7874	1.7874	6.0000e-005	0.0000	1.7888
Total	5.4600e-003	0.1448	0.0414	4.5000e-004	0.0122	5.6000e-004	0.0128	3.3400e-003	5.3000e-004	3.8600e-003	0.0000	44.4709	44.4709	2.7100e-003	0.0000	44.5387

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					1.2000e-003	0.0000	1.2000e-003	5.7000e-004	0.0000	5.7000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.0400e-003	0.0276	0.0267	4.0000e-005		1.6400e-003	1.6400e-003		1.5600e-003	1.5600e-003	0.0000	3.6426	3.6426	6.9000e-004	0.0000	3.6599
Total	3.0400e-003	0.0276	0.0267	4.0000e-005	1.2000e-003	1.6400e-003	2.8400e-003	5.7000e-004	1.5600e-003	2.1300e-003	0.0000	3.6426	3.6426	6.9000e-004	0.0000	3.6599

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	4.6500e-003	0.1441	0.0342	4.3000e-004	6.7400e-003	5.4000e-004	7.2700e-003	1.9500e-003	5.1000e-004	2.4700e-003	0.0000	42.6835	42.6835	2.6500e-003	0.0000	42.7499
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.1000e-004	6.5000e-004	7.2000e-003	2.0000e-005	1.1500e-003	2.0000e-005	1.1700e-003	3.2000e-004	2.0000e-005	3.4000e-004	0.0000	1.7874	1.7874	6.0000e-005	0.0000	1.7888
Total	5.4600e-003	0.1448	0.0414	4.5000e-004	7.8900e-003	5.6000e-004	8.4400e-003	2.2700e-003	5.3000e-004	2.8100e-003	0.0000	44.4709	44.4709	2.7100e-003	0.0000	44.5387

3.9 Site Preparation (Tower 1B) - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.5700e-003	0.1054	0.0512	1.2000e-004		4.1900e-003	4.1900e-003		3.8600e-003	3.8600e-003	0.0000	10.6990	10.6990	3.4600e-003	0.0000	10.7855
Total	8.5700e-003	0.1054	0.0512	1.2000e-004	0.0000	4.1900e-003	4.1900e-003	0.0000	3.8600e-003	3.8600e-003	0.0000	10.6990	10.6990	3.4600e-003	0.0000	10.7855

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.1500e-003	9.3000e-004	0.0103	3.0000e-005	2.7400e-003	2.0000e-005	2.7600e-003	7.3000e-004	2.0000e-005	7.5000e-004	0.0000	2.5534	2.5534	8.0000e-005	0.0000	2.5554
Total	1.1500e-003	9.3000e-004	0.0103	3.0000e-005	2.7400e-003	2.0000e-005	2.7600e-003	7.3000e-004	2.0000e-005	7.5000e-004	0.0000	2.5534	2.5534	8.0000e-005	0.0000	2.5554

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.5700e-003	0.1054	0.0512	1.2000e-004		4.1900e-003	4.1900e-003		3.8600e-003	3.8600e-003	0.0000	10.6990	10.6990	3.4600e-003	0.0000	10.7855
Total	8.5700e-003	0.1054	0.0512	1.2000e-004	0.0000	4.1900e-003	4.1900e-003	0.0000	3.8600e-003	3.8600e-003	0.0000	10.6990	10.6990	3.4600e-003	0.0000	10.7855

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.1500e-003	9.3000e-004	0.0103	3.0000e-005	1.6500e-003	2.0000e-005	1.6700e-003	4.6000e-004	2.0000e-005	4.8000e-004	0.0000	2.5534	2.5534	8.0000e-005	0.0000	2.5554
Total	1.1500e-003	9.3000e-004	0.0103	3.0000e-005	1.6500e-003	2.0000e-005	1.6700e-003	4.6000e-004	2.0000e-005	4.8000e-004	0.0000	2.5534	2.5534	8.0000e-005	0.0000	2.5554

3.10 Building Construction (Tower 1B) - 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	0.0362	0.3718	0.3103	4.8000e-004		0.0219	0.0219		0.0202	0.0202	0.0000	42.0254	42.0254	0.0136	0.0000	42.3652
Total	0.0362	0.3718	0.3103	4.8000e-004		0.0219	0.0219		0.0202	0.0202	0.0000	42.0254	42.0254	0.0136	0.0000	42.3652

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	7.3100e-003	0.2185	0.0591	5.2000e-004	0.0127	1.0200e-003	0.0137	3.6600e-003	9.7000e-004	4.6400e-003	0.0000	50.0827	50.0827	3.1800e-003	0.0000	50.1623
Worker	0.0349	0.0281	0.3112	8.5000e-004	0.0828	7.1000e-004	0.0836	0.0220	6.5000e-004	0.0227	0.0000	77.2141	77.2141	2.4300e-003	0.0000	77.2749
Total	0.0422	0.2466	0.3703	1.3700e-003	0.0955	1.7300e-003	0.0973	0.0257	1.6200e-003	0.0273	0.0000	127.2968	127.2968	5.6100e-003	0.0000	127.4372

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	0.0362	0.3718	0.3103	4.8000e-004		0.0219	0.0219		0.0202	0.0202	0.0000	42.0254	42.0254	0.0136	0.0000	42.3652

Total	0.0362	0.3718	0.3103	4.8000e-004		0.0219	0.0219		0.0202	0.0202	0.0000	42.0254	42.0254	0.0136	0.0000	42.3652
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Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	7.3100e-003	0.2185	0.0591	5.2000e-004	8.5600e-003	1.0200e-003	9.5800e-003	2.6500e-003	9.7000e-004	3.6200e-003	0.0000	50.0827	50.0827	3.1800e-003	0.0000	50.1623
Worker	0.0349	0.0281	0.3112	8.5000e-004	0.0498	7.1000e-004	0.0505	0.0139	6.5000e-004	0.0146	0.0000	77.2141	77.2141	2.4300e-003	0.0000	77.2749
Total	0.0422	0.2466	0.3703	1.3700e-003	0.0584	1.7300e-003	0.0601	0.0166	1.6200e-003	0.0182	0.0000	127.2968	127.2968	5.6100e-003	0.0000	127.4372

3.10 Building Construction (Tower 1B) - 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	0.0608	0.6268	0.5702	8.9000e-004		0.0351	0.0351		0.0323	0.0323	0.0000	78.5644	78.5644	0.0254	0.0000	79.1996
Total	0.0608	0.6268	0.5702	8.9000e-004		0.0351	0.0351		0.0323	0.0323	0.0000	78.5644	78.5644	0.0254	0.0000	79.1996

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0117	0.3719	0.1008	9.6000e-004	0.0237	7.6000e-004	0.0245	6.8500e-003	7.3000e-004	7.5800e-003	0.0000	92.8799	92.8799	5.7000e-003	0.0000	93.0223
Worker	0.0608	0.0473	0.5343	1.5500e-003	0.1548	1.2800e-003	0.1561	0.0411	1.1800e-003	0.0423	0.0000	139.7340	139.7340	4.1100e-003	0.0000	139.8368
Total	0.0725	0.4192	0.6352	2.5100e-003	0.1786	2.0400e-003	0.1806	0.0480	1.9100e-003	0.0499	0.0000	232.6139	232.6139	9.8100e-003	0.0000	232.8591

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	0.0608	0.6268	0.5702	8.9000e-004		0.0351	0.0351		0.0323	0.0323	0.0000	78.5643	78.5643	0.0254	0.0000	79.1996
Total	0.0608	0.6268	0.5702	8.9000e-004		0.0351	0.0351		0.0323	0.0323	0.0000	78.5643	78.5643	0.0254	0.0000	79.1996

Mitigated Construction Off-Site

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

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0117	0.3719	0.1008	9.6000e-004	0.0160	7.6000e-004	0.0168	4.9500e-003	7.3000e-004	5.6800e-003	0.0000	92.8799	92.8799	5.7000e-003	0.0000	93.0223
Worker	0.0608	0.0473	0.5343	1.5500e-003	0.0931	1.2800e-003	0.0944	0.0260	1.1800e-003	0.0272	0.0000	139.7340	139.7340	4.1100e-003	0.0000	139.8368
Total	0.0725	0.4192	0.6352	2.5100e-003	0.1091	2.0400e-003	0.1112	0.0309	1.9100e-003	0.0328	0.0000	232.6139	232.6139	9.8100e-003	0.0000	232.8591

3.11 Architectural Coating (Tower 1B) - 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	0.6815					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0242	0.1687	0.2008	3.3000e-004		0.0104	0.0104		0.0104	0.0104	0.0000	28.2135	28.2135	1.9400e-003	0.0000	28.2619
Total	0.7057	0.1687	0.2008	3.3000e-004		0.0104	0.0104		0.0104	0.0104	0.0000	28.2135	28.2135	1.9400e-003	0.0000	28.2619

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.5100e-003	7.4000e-003	0.0836	2.4000e-004	0.0242	2.0000e-004	0.0244	6.4300e-003	1.8000e-004	6.6200e-003	0.0000	21.8551	21.8551	6.4000e-004	0.0000	21.8711
Total	9.5100e-003	7.4000e-003	0.0836	2.4000e-004	0.0242	2.0000e-004	0.0244	6.4300e-003	1.8000e-004	6.6200e-003	0.0000	21.8551	21.8551	6.4000e-004	0.0000	21.8711

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	0.6815					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0242	0.1687	0.2008	3.3000e-004		0.0104	0.0104		0.0104	0.0104	0.0000	28.2134	28.2134	1.9400e-003	0.0000	28.2618
Total	0.7057	0.1687	0.2008	3.3000e-004		0.0104	0.0104		0.0104	0.0104	0.0000	28.2134	28.2134	1.9400e-003	0.0000	28.2618

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.5100e-003	7.4000e-003	0.0836	2.4000e-004	0.0146	2.0000e-004	0.0148	4.0600e-003	1.8000e-004	4.2500e-003	0.0000	21.8551	21.8551	6.4000e-004	0.0000	21.8711
Total	9.5100e-003	7.4000e-003	0.0836	2.4000e-004	0.0146	2.0000e-004	0.0148	4.0600e-003	1.8000e-004	4.2500e-003	0.0000	21.8551	21.8551	6.4000e-004	0.0000	21.8711

3.11 Architectural Coating (Tower 1B) - 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	0.0586					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.9400e-003	0.0134	0.0172	3.0000e-005		7.8000e-004	7.8000e-004		7.8000e-004	7.8000e-004	0.0000	2.4256	2.4256	1.6000e-004	0.0000	2.4295
Total	0.0605	0.0134	0.0172	3.0000e-005		7.8000e-004	7.8000e-004		7.8000e-004	7.8000e-004	0.0000	2.4256	2.4256	1.6000e-004	0.0000	2.4295

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.7000e-004	5.7000e-004	6.6200e-003	2.0000e-005	2.0800e-003	2.0000e-005	2.1000e-003	5.5000e-004	2.0000e-005	5.7000e-004	0.0000	1.8129	1.8129	5.0000e-005	0.0000	1.8141
Total	7.7000e-004	5.7000e-004	6.6200e-003	2.0000e-005	2.0800e-003	2.0000e-005	2.1000e-003	5.5000e-004	2.0000e-005	5.7000e-004	0.0000	1.8129	1.8129	5.0000e-005	0.0000	1.8141

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	0.0586					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.9400e-003	0.0134	0.0172	3.0000e-005		7.8000e-004	7.8000e-004		7.8000e-004	7.8000e-004	0.0000	2.4256	2.4256	1.6000e-004	0.0000	2.4295

Total	0.0605	0.0134	0.0172	3.0000e-005		7.8000e-004	7.8000e-004		7.8000e-004	7.8000e-004	0.0000	2.4256	2.4256	1.6000e-004	0.0000	2.4295
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Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.7000e-004	5.7000e-004	6.6200e-003	2.0000e-005	1.2500e-003	2.0000e-005	1.2700e-003	3.5000e-004	2.0000e-005	3.6000e-004	0.0000	1.8129	1.8129	5.0000e-005	0.0000	1.8141
Total	7.7000e-004	5.7000e-004	6.6200e-003	2.0000e-005	1.2500e-003	2.0000e-005	1.2700e-003	3.5000e-004	2.0000e-005	3.6000e-004	0.0000	1.8129	1.8129	5.0000e-005	0.0000	1.8141

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	0.2942	1.5619	4.1488	0.0153	1.2646	0.0127	1.2774	0.3390	0.0119	0.3509	0.0000	1,408.5617	1,408.5617	0.0720	0.0000	1,410.3616
Unmitigated	0.2942	1.5619	4.1488	0.0153	1.2646	0.0127	1.2774	0.3390	0.0119	0.3509	0.0000	1,408.5617	1,408.5617	0.0720	0.0000	1,410.3616

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments High Rise	702.88	702.88	702.88	2,703,805	2,703,805
Enclosed Parking with Elevator	0.00	0.00	0.00		
General Office Building	215.39	62.71	26.76	536,798	536,798
Strip Mall	48.04	48.04	48.04	91,396	91,396
Total	966.31	813.62	777.68	3,331,999	3,331,999

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments High Rise	14.70	5.90	8.70	40.00	19.00	41.00	100	0	0
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Strip Mall	16.60	8.40	6.90	16.60	64.40	19.00	45	40	15

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments High Rise	0.546501	0.044961	0.204016	0.120355	0.015740	0.006196	0.020131	0.030678	0.002515	0.002201	0.005142	0.000687	0.000876
Enclosed Parking with Elevator	0.546501	0.044961	0.204016	0.120355	0.015740	0.006196	0.020131	0.030678	0.002515	0.002201	0.005142	0.000687	0.000876
General Office Building	0.546501	0.044961	0.204016	0.120355	0.015740	0.006196	0.020131	0.030678	0.002515	0.002201	0.005142	0.000687	0.000876
Strip Mall	0.546501	0.044961	0.204016	0.120355	0.015740	0.006196	0.020131	0.030678	0.002515	0.002201	0.005142	0.000687	0.000876

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	1,088.6157	1,088.6157	0.0257	5.3200e-003	1,090.8436
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	1,088.6157	1,088.6157	0.0257	5.3200e-003	1,090.8436
Natural Gas Mitigated	0.0204	0.1754	0.0801	1.1100e-003		0.0141	0.0141		0.0141	0.0141	0.0000	202.2458	202.2458	3.8800e-003	3.7100e-003	203.4477
Natural Gas Unmitigated	0.0204	0.1754	0.0801	1.1100e-003		0.0141	0.0141		0.0141	0.0141	0.0000	202.2458	202.2458	3.8800e-003	3.7100e-003	203.4477

5.2 Energy by Land Use - Natural Gas

Unmitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments High Rise	3.52087e+006	0.0190	0.1622	0.0690	1.0400e-003		0.0131	0.0131		0.0131	0.0131	0.0000	187.8871	187.8871	3.6000e-003	3.4400e-003	189.0036
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	265382	1.4300e-003	0.0130	0.0109	8.0000e-005		9.9000e-004	9.9000e-004		9.9000e-004	9.9000e-004	0.0000	14.1618	14.1618	2.7000e-004	2.6000e-004	14.2460
Strip Mall	3690	2.0000e-005	1.8000e-004	1.5000e-004	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	0.1969	0.1969	0.0000	0.0000	0.1981
Total		0.0204	0.1754	0.0801	1.1200e-003		0.0141	0.0141		0.0141	0.0141	0.0000	202.2458	202.2458	3.8700e-003	3.7000e-003	203.4477

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					

Apartments High Rise	3.52087e+006	0.0190	0.1622	0.0690	1.0400e-003		0.0131	0.0131		0.0131	0.0131	0.0000	187.8871	187.8871	3.6000e-003	3.4400e-003	189.0036
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	265382	1.4300e-003	0.0130	0.0109	8.0000e-005		9.9000e-004	9.9000e-004		9.9000e-004	9.9000e-004	0.0000	14.1618	14.1618	2.7000e-004	2.6000e-004	14.2460
Strip Mall	3690	2.0000e-005	1.8000e-004	1.5000e-004	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	0.1969	0.1969	0.0000	0.0000	0.1981
Total		0.0204	0.1754	0.0801	1.1200e-003		0.0141	0.0141		0.0141	0.0141	0.0000	202.2458	202.2458	3.8700e-003	3.7000e-003	203.4477

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments High Rise	1.51275e+006	842.5439	0.0199	4.1200e-003	844.2682
Enclosed Parking with Elevator	80282	44.7140	1.0600e-003	2.2000e-004	44.8055
General Office Building	331154	184.4401	4.3600e-003	9.0000e-004	184.8176
Strip Mall	30375	16.9177	4.0000e-004	8.0000e-005	16.9523
Total		1,088.6157	0.0257	5.3200e-003	1,090.8436

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments High Rise	1.51275e+006	842.5439	0.0199	4.1200e-003	844.2682

Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.1192	0.0455	3.9442	2.1000e-004		0.0218	0.0218		0.0218	0.0218	0.0000	6.4360	6.4360	6.2100e-003	0.0000	6.5913
Total	0.9983	0.0455	3.9442	2.1000e-004		0.0218	0.0218		0.0218	0.0218	0.0000	6.4360	6.4360	6.2100e-003	0.0000	6.5913

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	0.0740					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.8052					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.1192	0.0455	3.9442	2.1000e-004		0.0218	0.0218		0.0218	0.0218	0.0000	6.4360	6.4360	6.2100e-003	0.0000	6.5913
Total	0.9983	0.0455	3.9442	2.1000e-004		0.0218	0.0218		0.0218	0.0218	0.0000	6.4360	6.4360	6.2100e-003	0.0000	6.5913

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	338.8554	0.9718	0.0244	370.4146

Unmitigated	338.8554	0.9718	0.0244	370.4146
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7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments High Rise	24.8888 / 15.6908	285.4870	0.8176	0.0205	312.0367
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
General Office Building	4.53043 / 2.77672	51.4748	0.1488	3.7300e-003	56.3065
Strip Mall	0.166663 / 0.102148	1.8936	5.4700e-003	1.4000e-004	2.0714
Total		338.8554	0.9718	0.0244	370.4146

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments High Rise	24.8888 / 15.6908	285.4870	0.8176	0.0205	312.0367
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
General Office Building	4.53043 / 2.77672	51.4748	0.1488	3.7300e-003	56.3065
Strip Mall	0.166663 / 0.102148	1.8936	5.4700e-003	1.4000e-004	2.0714

Total		338.8554	0.9718	0.0244	370.4146
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8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	40.9616	2.4208	0.0000	101.4805
Unmitigated	40.9616	2.4208	0.0000	101.4805

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments High Rise	175.72	35.6696	2.1080	0.0000	88.3699
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
General Office Building	23.71	4.8129	0.2844	0.0000	11.9238
Strip Mall	2.36	0.4791	0.0283	0.0000	1.1869

Total		40.9616	2.4208	0.0000	101.4805
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Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments High Rise	175.72	35.6696	2.1080	0.0000	88.3699
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
General Office Building	23.71	4.8129	0.2844	0.0000	11.9238
Strip Mall	2.36	0.4791	0.0283	0.0000	1.1869
Total		40.9616	2.4208	0.0000	101.4805

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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11.0 Vegetation

Weingart Projects Future Construction+Operations Site 1 - Los Angeles-South Coast County, Winter

Weingart Projects Future Construction+Operations Site 1
Los Angeles-South Coast County, Winter

1.0 Project Characteristics**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	25.49	1000sqft	0.20	25,493.00	0
Enclosed Parking with Elevator	13.70	1000sqft	0.10	13,700.00	0
Apartments High Rise	382.00	Dwelling Unit	0.30	194,831.00	1093
Strip Mall	2.25	1000sqft	0.03	2,250.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	11			Operational Year	2022
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MW hr)	1227.89	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Developer information for Phase 1

Construction Phase - Developer information

Trips and VMT - Assumes 10CY capacity per haul truck; worst-case scenario haul trip length

Demolition - Assumes 18,360 sf of asphalt parking lot @ 6" removed @ 2,400 lb/CY for Tower 1A; assumes 4,870 CY of material @400 lb/CY for Tower 1B

Grading - Developer information

Vehicle Trips - LLG Weingart Projects traffic analysis; March 6, 2018

Woodstoves - Developer information

Construction Off-road Equipment Mitigation - Assumes SCAQMD Rule 403 control efficiencies

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	46
tblConstructionPhase	NumDays	5.00	240.00
tblConstructionPhase	NumDays	5.00	219.00
tblConstructionPhase	NumDays	100.00	241.00
tblConstructionPhase	NumDays	100.00	241.00
tblConstructionPhase	NumDays	10.00	13.00
tblConstructionPhase	NumDays	10.00	16.00
tblConstructionPhase	NumDays	2.00	9.00
tblConstructionPhase	NumDays	2.00	7.00
tblConstructionPhase	NumDays	1.00	26.00
tblConstructionPhase	NumDays	1.00	25.00
tblFireplaces	NumberGas	324.70	0.00
tblFireplaces	NumberNoFireplace	38.20	382.00
tblFireplaces	NumberWood	19.10	0.00
tblGrading	AcresOfGrading	0.00	0.63
tblGrading	AcresOfGrading	0.00	0.63
tblGrading	AcresOfGrading	13.00	0.50
tblGrading	AcresOfGrading	12.50	0.00
tblGrading	MaterialExported	0.00	10,244.00
tblGrading	MaterialExported	0.00	4,800.00
tblLandUse	LandUseSquareFeet	25,490.00	25,493.00
tblLandUse	LandUseSquareFeet	382,000.00	194,831.00
tblLandUse	LotAcreage	0.59	0.20
tblLandUse	LotAcreage	0.31	0.10
tblLandUse	LotAcreage	6.16	0.30
tblLandUse	LotAcreage	0.05	0.03

tblTripsAndVMT	HaulingTripLength	20.00	50.00
tblTripsAndVMT	HaulingTripLength	20.00	50.00
tblTripsAndVMT	HaulingTripLength	20.00	50.00
tblTripsAndVMT	HaulingTripLength	20.00	50.00
tblTripsAndVMT	HaulingTripLength	20.00	50.00
tblTripsAndVMT	HaulingTripNumber	40.00	34.00
tblTripsAndVMT	HaulingTripNumber	1,281.00	1,024.00
tblTripsAndVMT	HaulingTripNumber	96.00	487.00
tblTripsAndVMT	HaulingTripNumber	600.00	480.00
tblTripsAndVMT	WorkerTripNumber	58.00	20.00
tblTripsAndVMT	WorkerTripNumber	10.00	50.00
tblTripsAndVMT	WorkerTripNumber	5.00	20.00
tblTripsAndVMT	WorkerTripNumber	290.00	180.00
tblTripsAndVMT	WorkerTripNumber	58.00	20.00
tblTripsAndVMT	WorkerTripNumber	13.00	10.00
tblTripsAndVMT	WorkerTripNumber	10.00	50.00
tblTripsAndVMT	WorkerTripNumber	5.00	20.00
tblTripsAndVMT	WorkerTripNumber	290.00	180.00
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	HO_TTP	40.60	41.00
tblVehicleTrips	HS_TTP	19.20	19.00
tblVehicleTrips	HW_TTP	40.20	40.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	ST_TR	4.98	1.84
tblVehicleTrips	ST_TR	42.04	21.35
tblVehicleTrips	SU_TR	3.65	1.84
tblVehicleTrips	SU_TR	20.43	21.35
tblVehicleTrips	WD_TR	4.20	1.84
tblVehicleTrips	WD_TR	11.03	8.45

tblVehicleTrips	WD_TR	44.32	21.35
tblWoodstoves	NumberCatalytic	19.10	0.00
tblWoodstoves	NumberNoncatalytic	19.10	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

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	lb/day										lb/day					
2019	3.6064	80.7720	26.7249	0.2252	6.4842	0.8531	7.3373	1.9514	0.8147	2.7661	0.0000	24,189.7196	24,189.7196	1.6559	0.0000	24,231.1167
2020	12.2952	72.0700	45.3793	0.2010	7.0226	1.7189	8.7199	2.0862	1.6218	3.6825	0.0000	21,013.3618	21,013.3618	1.9146	0.0000	21,061.2274
2021	9.5805	21.5325	24.8839	0.0592	2.5428	0.9229	3.4658	0.6814	0.8604	1.5418	0.0000	5,847.7671	5,847.7671	0.8236	0.0000	5,868.3579
2022	6.4612	1.4674	2.4919	5.0500e-003	0.2236	0.0835	0.3070	0.0593	0.0833	0.1426	0.0000	488.3619	488.3619	0.0240	0.0000	488.9625
Maximum	12.2952	80.7720	45.3793	0.2252	7.0226	1.7189	8.7199	2.0862	1.6218	3.6825	0.0000	24,189.7196	24,189.7196	1.9146	0.0000	24,231.1167

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	lb/day										lb/day					
2019	3.6064	80.7720	26.7249	0.2252	3.9291	0.8531	4.7823	1.1941	0.8147	2.0088	0.0000	24,189.7196	24,189.7196	1.6559	0.0000	24,231.1167
2020	12.2952	72.0700	45.3793	0.2010	4.1791	1.7189	5.8763	1.2569	1.6218	2.8532	0.0000	21,013.3618	21,013.3618	1.9146	0.0000	21,061.2274

2021	9.5805	21.5325	24.8839	0.0592	1.5481	0.9229	2.4710	0.4372	0.8604	1.2976	0.0000	5,847.7670	5,847.7670	0.8236	0.0000	5,868.3579
2022	6.4612	1.4674	2.4919	5.0500e-003	0.1342	0.0835	0.2176	0.0373	0.0833	0.1207	0.0000	488.3619	488.3619	0.0240	0.0000	488.9625
Maximum	12.2952	80.7720	45.3793	0.2252	4.1791	1.7189	5.8763	1.2569	1.6218	2.8532	0.0000	24,189.7196	24,189.7196	1.9146	0.0000	24,231.1167

	ROG	NOx	CO	SO2	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	39.84	0.00	32.69	38.77	0.00	22.78	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	lb/day										lb/day					
Area	5.7706	0.3639	31.5537	1.6600e-003		0.1743	0.1743		0.1743	0.1743	0.0000	56.7561	56.7561	0.0548	0.0000	58.1253
Energy	0.1120	0.9612	0.4390	6.1100e-003		0.0774	0.0774		0.0774	0.0774		1,221.5772	1,221.5772	0.0234	0.0224	1,228.8364
Mobile	1.7351	8.8406	23.5321	0.0866	7.4193	0.0735	7.4929	1.9855	0.0686	2.0542		8,813.6284	8,813.6284	0.4586		8,825.0926
Total	7.6177	10.1658	55.5247	0.0943	7.4193	0.3252	7.7446	1.9855	0.3203	2.3059	0.0000	10,091.9617	10,091.9617	0.5368	0.0224	10,112.0543

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	lb/day										lb/day					
Area	5.7706	0.3639	31.5537	1.6600e-003		0.1743	0.1743		0.1743	0.1743	0.0000	56.7561	56.7561	0.0548	0.0000	58.1253

Energy	0.1120	0.9612	0.4390	6.1100e-003		0.0774	0.0774		0.0774	0.0774		1,221.5772	1,221.5772	0.0234	0.0224	1,228.8364
Mobile	1.7351	8.8406	23.5321	0.0866	7.4193	0.0735	7.4929	1.9855	0.0686	2.0542		8,813.6284	8,813.6284	0.4586		8,825.0926
Total	7.6177	10.1658	55.5247	0.0943	7.4193	0.3252	7.7446	1.9855	0.3203	2.3059	0.0000	10,091.9617	10,091.9617	0.5368	0.0224	10,112.0543

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition (Tower 1A)	Demolition	8/1/2019	8/19/2019	5	13	
2	Grading (Tower 1A)	Grading	8/20/2019	8/30/2019	5	9	
3	Site Preparation (Tower 1A)	Site Preparation	9/2/2019	10/7/2019	5	26	
4	Building Construction (Tower 1A)	Building Construction	10/8/2019	9/8/2020	5	241	
5	Architectural Coating (Tower 1A)	Architectural Coating	3/23/2020	1/21/2021	5	219	
6	Demolition (Tower 1B)	Demolition	7/1/2020	7/22/2020	5	16	
7	Grading (Tower 1B)	Grading	7/23/2020	7/31/2020	5	7	
8	Site Preparation (Tower 1B)	Site Preparation	8/3/2020	9/4/2020	5	25	
9	Building Construction (Tower 1B)	Building Construction	9/7/2020	8/9/2021	5	241	
10	Architectural Coating (Tower 1B)	Architectural Coating	2/26/2021	1/27/2022	5	240	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0.1

Residential Indoor: 394,533; Residential Outdoor: 131,511; Non-Residential Indoor: 41,615; Non-Residential Outdoor: 13,872; Striped Parking

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
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Demolition (Tower 1A)	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition (Tower 1A)	Rubber Tired Dozers	1	1.00	247	0.40
Demolition (Tower 1A)	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Site Preparation (Tower 1A)	Graders	1	8.00	187	0.41
Site Preparation (Tower 1A)	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading (Tower 1A)	Concrete/Industrial Saws	1	8.00	81	0.73
Grading (Tower 1A)	Rubber Tired Dozers	1	1.00	247	0.40
Grading (Tower 1A)	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Building Construction (Tower 1A)	Cranes	1	4.00	231	0.29
Building Construction (Tower 1A)	Forklifts	2	6.00	89	0.20
Building Construction (Tower 1A)	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Architectural Coating (Tower 1A)	Air Compressors	1	6.00	78	0.48
Architectural Coating (Tower 1A)	Cement and Mortar Mixers	4	6.00	9	0.56
Architectural Coating (Tower 1A)	Pavers	1	7.00	130	0.42
Architectural Coating (Tower 1A)	Rollers	1	7.00	80	0.38
Architectural Coating (Tower 1A)	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Demolition (Tower 1B)	Air Compressors	1	6.00	78	0.48
Demolition (Tower 1B)	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition (Tower 1B)	Rubber Tired Dozers	1	1.00	247	0.40
Demolition (Tower 1B)	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Grading (Tower 1B)	Concrete/Industrial Saws	1	8.00	81	0.73
Grading (Tower 1B)	Rubber Tired Dozers	1	1.00	247	0.40
Grading (Tower 1B)	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Site Preparation (Tower 1B)	Graders	1	8.00	187	0.41
Site Preparation (Tower 1B)	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Building Construction (Tower 1B)	Cranes	1	4.00	231	0.29
Building Construction (Tower 1B)	Forklifts	2	6.00	89	0.20
Building Construction (Tower 1B)	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Architectural Coating (Tower 1B)	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition (Tower 1A)	4	10.00	0.00	34.00	14.70	6.90	50.00	LD_Mix	HDT_Mix	HHDT
Grading (Tower 1A)	4	50.00	0.00	1,024.00	14.70	6.90	50.00	LD_Mix	HDT_Mix	HHDT
Site Preparation (Tower 1A)	2	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction (Tower 1A)	5	180.00	48.00	0.00	14.70	6.90	50.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating (Tower 1A)	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Demolition (Tower 1B)	5	10.00	0.00	487.00	14.70	6.90	50.00	LD_Mix	HDT_Mix	HHDT
Grading (Tower 1B)	4	50.00	0.00	480.00	14.70	6.90	50.00	LD_Mix	HDT_Mix	HHDT
Site Preparation (Tower 1B)	2	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction (Tower 1B)	5	180.00	48.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating (Tower 1B)	1	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Replace Ground Cover

Water Exposed Area

Clean Paved Roads

3.2 Demolition (Tower 1A) - 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	lb/day										lb/day					
Fugitive Dust					0.6716	0.0000	0.6716	0.1017	0.0000	0.1017			0.0000			0.0000
Off-Road	0.9530	8.6039	7.6917	0.0120		0.5371	0.5371		0.5125	0.5125		1,159.6570	1,159.6570	0.2211		1,165.1847
Total	0.9530	8.6039	7.6917	0.0120	0.6716	0.5371	1.2087	0.1017	0.5125	0.6142		1,159.6570	1,159.6570	0.2211		1,165.1847

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	lb/day										lb/day					
Hauling	0.0546	1.6542	0.3867	4.7700e-003	0.1142	7.1500e-003	0.1214	0.0313	6.8400e-003	0.0382		516.2600	516.2600	0.0325		517.0732
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0554	0.0407	0.4425	1.1500e-003	0.1118	9.6000e-004	0.1127	0.0296	8.9000e-004	0.0305		114.2131	114.2131	3.9300e-003		114.3113
Total	0.1100	1.6949	0.8291	5.9200e-003	0.2260	8.1100e-003	0.2341	0.0610	7.7300e-003	0.0687		630.4731	630.4731	0.0365		631.3845

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	lb/day										lb/day					
Fugitive Dust					0.2488	0.0000	0.2488	0.0377	0.0000	0.0377			0.0000			0.0000
Off-Road	0.9530	8.6039	7.6917	0.0120		0.5371	0.5371		0.5125	0.5125	0.0000	1,159.6570	1,159.6570	0.2211		1,165.1847
Total	0.9530	8.6039	7.6917	0.0120	0.2488	0.5371	0.7859	0.0377	0.5125	0.5501	0.0000	1,159.6570	1,159.6570	0.2211		1,165.1847

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
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Category	lb/day										lb/day				
Hauling	0.0546	1.6542	0.3867	4.7700e-003	0.0745	7.1500e-003	0.0816	0.0215	6.8400e-003	0.0284		516.2600	516.2600	0.0325	517.0732
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000
Worker	0.0554	0.0407	0.4425	1.1500e-003	0.0671	9.6000e-004	0.0680	0.0187	8.9000e-004	0.0196		114.2131	114.2131	3.9300e-003	114.3113
Total	0.1100	1.6949	0.8291	5.9200e-003	0.1416	8.1100e-003	0.1497	0.0402	7.7300e-003	0.0480		630.4731	630.4731	0.0365	631.3845

3.3 Grading (Tower 1A) - 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	lb/day										lb/day					
Fugitive Dust					0.9557	0.0000	0.9557	0.4413	0.0000	0.4413			0.0000			0.0000
Off-Road	0.9530	8.6039	7.6917	0.0120		0.5371	0.5371		0.5125	0.5125		1,159.6570	1,159.6570	0.2211		1,165.1847
Total	0.9530	8.6039	7.6917	0.0120	0.9557	0.5371	1.4928	0.4413	0.5125	0.9538		1,159.6570	1,159.6570	0.2211		1,165.1847

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	lb/day										lb/day					
Hauling	2.3764	71.9648	16.8208	0.2075	4.9696	0.3112	5.2808	1.3619	0.2978	1.6597		22,458.9972	22,458.9972	1.4151		22,494.3755
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2769	0.2033	2.2124	5.7400e-003	0.5589	4.8200e-003	0.5637	0.1482	4.4400e-003	0.1527		571.0654	571.0654	0.0197		571.5565

Total	2.6533	72.1681	19.0332	0.2133	5.5284	0.3161	5.8445	1.5101	0.3022	1.8123		23,030.0626	23,030.0626	1.4348		23,065.9320
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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	lb/day										lb/day					
Fugitive Dust					0.3541	0.0000	0.3541	0.1635	0.0000	0.1635			0.0000			0.0000
Off-Road	0.9530	8.6039	7.6917	0.0120		0.5371	0.5371		0.5125	0.5125	0.0000	1,159.6570	1,159.6570	0.2211		1,165.1847
Total	0.9530	8.6039	7.6917	0.0120	0.3541	0.5371	0.8912	0.1635	0.5125	0.6760	0.0000	1,159.6570	1,159.6570	0.2211		1,165.1847

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	lb/day										lb/day					
Hauling	2.3764	71.9648	16.8208	0.2075	3.2396	0.3112	3.5509	0.9373	0.2978	1.2350		22,458.9972	22,458.9972	1.4151		22,494.3755
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2769	0.2033	2.2124	5.7400e-003	0.3354	4.8200e-003	0.3402	0.0934	4.4400e-003	0.0978		571.0654	571.0654	0.0197		571.5565
Total	2.6533	72.1681	19.0332	0.2133	3.5750	0.3161	3.8911	1.0306	0.3022	1.3328		23,030.0626	23,030.0626	1.4348		23,065.9320

3.4 Site Preparation (Tower 1A) - 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	lb/day										lb/day					
Fugitive Dust					0.0204	0.0000	0.0204	2.2000e-003	0.0000	2.2000e-003			0.0000			0.0000
Off-Road	0.7195	8.9170	4.1407	9.7500e-003		0.3672	0.3672		0.3378	0.3378		965.1690	965.1690	0.3054		972.8032
Total	0.7195	8.9170	4.1407	9.7500e-003	0.0204	0.3672	0.3876	2.2000e-003	0.3378	0.3400		965.1690	965.1690	0.3054		972.8032

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	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1108	0.0813	0.8850	2.2900e-003	0.2236	1.9300e-003	0.2255	0.0593	1.7800e-003	0.0611		228.4262	228.4262	7.8600e-003		228.6226
Total	0.1108	0.0813	0.8850	2.2900e-003	0.2236	1.9300e-003	0.2255	0.0593	1.7800e-003	0.0611		228.4262	228.4262	7.8600e-003		228.6226

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	lb/day										lb/day					

Fugitive Dust					7.5600e-003	0.0000	7.5600e-003	8.2000e-004	0.0000	8.2000e-004			0.0000			0.0000
Off-Road	0.7195	8.9170	4.1407	9.7500e-003		0.3672	0.3672		0.3378	0.3378	0.0000	965.1690	965.1690	0.3054		972.8032
Total	0.7195	8.9170	4.1407	9.7500e-003	7.5600e-003	0.3672	0.3748	8.2000e-004	0.3378	0.3387	0.0000	965.1690	965.1690	0.3054		972.8032

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	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1108	0.0813	0.8850	2.2900e-003	0.1342	1.9300e-003	0.1361	0.0373	1.7800e-003	0.0391		228.4262	228.4262	7.8600e-003		228.6226
Total	0.1108	0.0813	0.8850	2.2900e-003	0.1342	1.9300e-003	0.1361	0.0373	1.7800e-003	0.0391		228.4262	228.4262	7.8600e-003		228.6226

3.5 Building Construction (Tower 1A) - 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	lb/day										lb/day					
Off-Road	0.9576	9.8207	7.5432	0.0114		0.6054	0.6054		0.5569	0.5569		1,127.6696	1,127.6696	0.3568		1,136.5892
Total	0.9576	9.8207	7.5432	0.0114		0.6054	0.6054		0.5569	0.5569		1,127.6696	1,127.6696	0.3568		1,136.5892

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	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2080	5.5625	1.6247	0.0122	0.3073	0.0360	0.3433	0.0885	0.0344	0.1229		1,302.1301	1,302.1301	0.0915		1,304.4170
Worker	0.9968	0.7319	7.9646	0.0207	2.0120	0.0174	2.0293	0.5336	0.0160	0.5496		2,055.8355	2,055.8355	0.0707		2,057.6035
Total	1.2048	6.2943	9.5893	0.0329	2.3193	0.0534	2.3726	0.6221	0.0504	0.6725		3,357.9656	3,357.9656	0.1622		3,362.0205

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	lb/day										lb/day					
Off-Road	0.9576	9.8207	7.5432	0.0114		0.6054	0.6054		0.5569	0.5569	0.0000	1,127.6696	1,127.6696	0.3568		1,136.5892
Total	0.9576	9.8207	7.5432	0.0114		0.6054	0.6054		0.5569	0.5569	0.0000	1,127.6696	1,127.6696	0.3568		1,136.5892

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
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Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2080	5.5625	1.6247	0.0122	0.2066	0.0360	0.2426	0.0638	0.0344	0.0982		1,302.1301	1,302.1301	0.0915		1,304.4170
Worker	0.9968	0.7319	7.9646	0.0207	1.2074	0.0174	1.2247	0.3361	0.0160	0.3521		2,055.8355	2,055.8355	0.0707		2,057.6035
Total	1.2048	6.2943	9.5893	0.0329	1.4139	0.0534	1.4673	0.3998	0.0504	0.4503		3,357.9656	3,357.9656	0.1622		3,362.0205

3.5 Building Construction (Tower 1A) - 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	lb/day										lb/day					
Off-Road	0.8617	8.8523	7.3875	0.0114		0.5224	0.5224		0.4806	0.4806		1,102.9781	1,102.9781	0.3567		1,111.8962
Total	0.8617	8.8523	7.3875	0.0114		0.5224	0.5224		0.4806	0.4806		1,102.9781	1,102.9781	0.3567		1,111.8962

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	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1785	5.1048	1.4755	0.0121	0.3073	0.0244	0.3317	0.0885	0.0234	0.1118		1,293.3555	1,293.3555	0.0865		1,295.5177
Worker	0.9198	0.6525	7.2182	0.0200	2.0120	0.0168	2.0288	0.5336	0.0155	0.5491		1,993.3567	1,993.3567	0.0628		1,994.9274

Total	1.0983	5.7573	8.6936	0.0321	2.3193	0.0412	2.3605	0.6221	0.0388	0.6609		3,286.7122	3,286.7122	0.1493		3,290.4451
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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	lb/day										lb/day					
Off-Road	0.8617	8.8523	7.3875	0.0114		0.5224	0.5224		0.4806	0.4806	0.0000	1,102.9781	1,102.9781	0.3567		1,111.8962
Total	0.8617	8.8523	7.3875	0.0114		0.5224	0.5224		0.4806	0.4806	0.0000	1,102.9781	1,102.9781	0.3567		1,111.8962

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	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1785	5.1048	1.4755	0.0121	0.2066	0.0244	0.2310	0.0638	0.0234	0.0871		1,293.3555	1,293.3555	0.0865		1,295.5177
Worker	0.9198	0.6525	7.2182	0.0200	1.2074	0.0168	1.2242	0.3361	0.0155	0.3516		1,993.3567	1,993.3567	0.0628		1,994.9274
Total	1.0983	5.7573	8.6936	0.0321	1.4139	0.0412	1.4552	0.3998	0.0388	0.4387		3,286.7122	3,286.7122	0.1493		3,290.4451

3.6 Architectural Coating (Tower 1A) - 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	lb/day										lb/day					
Archit. Coating	6.7584					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	1.0137	8.9104	8.9442	0.0142		0.5060	0.5060		0.4778	0.4778		1,316.8407	1,316.8407	0.3234		1,324.9251
Total	7.7722	8.9104	8.9442	0.0142		0.5060	0.5060		0.4778	0.4778		1,316.8407	1,316.8407	0.3234		1,324.9251

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	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1022	0.0725	0.8020	2.2200e-003	0.2236	1.8700e-003	0.2254	0.0593	1.7200e-003	0.0610		221.4841	221.4841	6.9800e-003		221.6586
Total	0.1022	0.0725	0.8020	2.2200e-003	0.2236	1.8700e-003	0.2254	0.0593	1.7200e-003	0.0610		221.4841	221.4841	6.9800e-003		221.6586

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	lb/day										lb/day					

Archit. Coating	6.7584					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	1.0137	8.9104	8.9442	0.0142		0.5060	0.5060		0.4778	0.4778	0.0000	1,316.8407	1,316.8407	0.3234		1,324.9251
Total	7.7722	8.9104	8.9442	0.0142		0.5060	0.5060		0.4778	0.4778	0.0000	1,316.8407	1,316.8407	0.3234		1,324.9251

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	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1022	0.0725	0.8020	2.2200e-003	0.1342	1.8700e-003	0.1360	0.0373	1.7200e-003	0.0391		221.4841	221.4841	6.9800e-003		221.6586
Total	0.1022	0.0725	0.8020	2.2200e-003	0.1342	1.8700e-003	0.1360	0.0373	1.7200e-003	0.0391		221.4841	221.4841	6.9800e-003		221.6586

3.6 Architectural Coating (Tower 1A) - 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	lb/day										lb/day					
Archit. Coating	6.7584					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.9403	8.2446	8.9074	0.0142		0.4475	0.4475		0.4227	0.4227		1,316.7906	1,316.7906	0.3209		1,324.8127
Total	7.6987	8.2446	8.9074	0.0142		0.4475	0.4475		0.4227	0.4227		1,316.7906	1,316.7906	0.3209		1,324.8127

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	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0954	0.0652	0.7365	2.1500e-003	0.2236	1.8100e-003	0.2254	0.0593	1.6600e-003	0.0610		214.4502	214.4502	6.3100e-003		214.6080
Total	0.0954	0.0652	0.7365	2.1500e-003	0.2236	1.8100e-003	0.2254	0.0593	1.6600e-003	0.0610		214.4502	214.4502	6.3100e-003		214.6080

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	lb/day										lb/day					
Archit. Coating	6.7584					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.9403	8.2446	8.9074	0.0142		0.4475	0.4475		0.4227	0.4227	0.0000	1,316.7906	1,316.7906	0.3209		1,324.8127
Total	7.6987	8.2446	8.9074	0.0142		0.4475	0.4475		0.4227	0.4227	0.0000	1,316.7906	1,316.7906	0.3209		1,324.8127

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
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Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0954	0.0652	0.7365	2.1500e-003	0.1342	1.8100e-003	0.1360	0.0373	1.6600e-003	0.0390		214.4502	214.4502	6.3100e-003		214.6080
Total	0.0954	0.0652	0.7365	2.1500e-003	0.1342	1.8100e-003	0.1360	0.0373	1.6600e-003	0.0390		214.4502	214.4502	6.3100e-003		214.6080

3.7 Demolition (Tower 1B) - 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	lb/day										lb/day					
Fugitive Dust					1.3027	0.0000	1.3027	0.1972	0.0000	0.1972			0.0000			0.0000
Off-Road	1.1096	9.5567	9.4540	0.0150		0.5781	0.5781		0.5566	0.5566		1,428.6833	1,428.6833	0.2387		1,434.6506
Total	1.1096	9.5567	9.4540	0.0150	1.3027	0.5781	1.8808	0.1972	0.5566	0.7539		1,428.6833	1,428.6833	0.2387		1,434.6506

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	lb/day										lb/day					
Hauling	0.5939	17.9432	4.4052	0.0548	1.3295	0.0683	1.3978	0.3644	0.0654	0.4297		5,941.0709	5,941.0709	0.3746		5,950.4353
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0511	0.0363	0.4010	1.1100e-003	0.1118	9.3000e-004	0.1127	0.0296	8.6000e-004	0.0305		110.7420	110.7420	3.4900e-003		110.8293

Total	0.6450	17.9794	4.8062	0.0559	1.4413	0.0693	1.5105	0.3940	0.0662	0.4602		6,051.8129	6,051.8129	0.3781		6,061.2646
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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	lb/day										lb/day					
Fugitive Dust					0.4826	0.0000	0.4826	0.0731	0.0000	0.0731			0.0000			0.0000
Off-Road	1.1096	9.5567	9.4540	0.0150		0.5781	0.5781		0.5566	0.5566	0.0000	1,428.6833	1,428.6833	0.2387		1,434.6506
Total	1.1096	9.5567	9.4540	0.0150	0.4826	0.5781	1.0608	0.0731	0.5566	0.6297	0.0000	1,428.6833	1,428.6833	0.2387		1,434.6506

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	lb/day										lb/day					
Hauling	0.5939	17.9432	4.4052	0.0548	0.8667	0.0683	0.9351	0.2508	0.0654	0.3161		5,941.0709	5,941.0709	0.3746		5,950.4353
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0511	0.0363	0.4010	1.1100e-003	0.0671	9.3000e-004	0.0680	0.0187	8.6000e-004	0.0195		110.7420	110.7420	3.4900e-003		110.8293
Total	0.6450	17.9794	4.8062	0.0559	0.9338	0.0693	1.0031	0.2694	0.0662	0.3357		6,051.8129	6,051.8129	0.3781		6,061.2646

3.8 Grading (Tower 1B) - 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	lb/day										lb/day					
Fugitive Dust					0.9258	0.0000	0.9258	0.4358	0.0000	0.4358			0.0000			0.0000
Off-Road	0.8674	7.8729	7.6226	0.0120		0.4672	0.4672		0.4457	0.4457		1,147.2352	1,147.2352	0.2169		1,152.6578
Total	0.8674	7.8729	7.6226	0.0120	0.9258	0.4672	1.3930	0.4358	0.4457	0.8815		1,147.2352	1,147.2352	0.2169		1,152.6578

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	lb/day										lb/day					
Hauling	1.3380	40.4234	9.9244	0.1235	2.9952	0.1540	3.1491	0.8208	0.1473	0.9681		13,384.4013	13,384.4013	0.8439		13,405.4981
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2555	0.1812	2.0051	5.5600e-003	0.5589	4.6700e-003	0.5636	0.1482	4.3000e-003	0.1525		553.7102	553.7102	0.0175		554.1465
Total	1.5935	40.6046	11.9294	0.1290	3.5541	0.1586	3.7127	0.9690	0.1516	1.1206		13,938.1115	13,938.1115	0.8613		13,959.6447

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	lb/day										lb/day					

Fugitive Dust					0.3430	0.0000	0.3430	0.1615	0.0000	0.1615			0.0000			0.0000
Off-Road	0.8674	7.8729	7.6226	0.0120		0.4672	0.4672		0.4457	0.4457	0.0000	1,147.2352	1,147.2352	0.2169		1,152.6578
Total	0.8674	7.8729	7.6226	0.0120	0.3430	0.4672	0.8102	0.1615	0.4457	0.6071	0.0000	1,147.2352	1,147.2352	0.2169		1,152.6578

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	lb/day										lb/day					
Hauling	1.3380	40.4234	9.9244	0.1235	1.9526	0.1540	2.1065	0.5649	0.1473	0.7122		13,384.4013	13,384.4013	0.8439		13,405.4981
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2555	0.1812	2.0051	5.5600e-003	0.3354	4.6700e-003	0.3401	0.0934	4.3000e-003	0.0977		553.7102	553.7102	0.0175		554.1465
Total	1.5935	40.6046	11.9294	0.1290	2.2880	0.1586	2.4466	0.6583	0.1516	0.8099		13,938.1115	13,938.1115	0.8613		13,959.6447

3.9 Site Preparation (Tower 1B) - 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	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.6853	8.4307	4.0942	9.7400e-003		0.3353	0.3353		0.3085	0.3085		943.4872	943.4872	0.3051		951.1158
Total	0.6853	8.4307	4.0942	9.7400e-003	0.0000	0.3353	0.3353	0.0000	0.3085	0.3085		943.4872	943.4872	0.3051		951.1158

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	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1022	0.0725	0.8020	2.2200e-003	0.2236	1.8700e-003	0.2254	0.0593	1.7200e-003	0.0610		221.4841	221.4841	6.9800e-003		221.6586
Total	0.1022	0.0725	0.8020	2.2200e-003	0.2236	1.8700e-003	0.2254	0.0593	1.7200e-003	0.0610		221.4841	221.4841	6.9800e-003		221.6586

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	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.6853	8.4307	4.0942	9.7400e-003		0.3353	0.3353		0.3085	0.3085	0.0000	943.4872	943.4872	0.3051		951.1158
Total	0.6853	8.4307	4.0942	9.7400e-003	0.0000	0.3353	0.3353	0.0000	0.3085	0.3085	0.0000	943.4872	943.4872	0.3051		951.1158

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
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Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1022	0.0725	0.8020	2.2200e-003	0.1342	1.8700e-003	0.1360	0.0373	1.7200e-003	0.0391		221.4841	221.4841	6.9800e-003		221.6586
Total	0.1022	0.0725	0.8020	2.2200e-003	0.1342	1.8700e-003	0.1360	0.0373	1.7200e-003	0.0391		221.4841	221.4841	6.9800e-003		221.6586

3.10 Building Construction (Tower 1B) - 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	lb/day										lb/day					
Off-Road	0.8617	8.8523	7.3875	0.0114		0.5224	0.5224		0.4806	0.4806		1,102.9781	1,102.9781	0.3567		1,111.8962
Total	0.8617	8.8523	7.3875	0.0114		0.5224	0.5224		0.4806	0.4806		1,102.9781	1,102.9781	0.3567		1,111.8962

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	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1785	5.1048	1.4755	0.0121	0.3073	0.0244	0.3317	0.0885	0.0234	0.1118		1,293.3555	1,293.3555	0.0865		1,295.5177
Worker	0.9198	0.6525	7.2182	0.0200	2.0120	0.0168	2.0288	0.5336	0.0155	0.5491		1,993.3567	1,993.3567	0.0628		1,994.9274

Total	1.0983	5.7573	8.6936	0.0321	2.3193	0.0412	2.3605	0.6221	0.0388	0.6609		3,286.7122	3,286.7122	0.1493		3,290.4451
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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	lb/day										lb/day					
Off-Road	0.8617	8.8523	7.3875	0.0114		0.5224	0.5224		0.4806	0.4806	0.0000	1,102.9781	1,102.9781	0.3567		1,111.8962
Total	0.8617	8.8523	7.3875	0.0114		0.5224	0.5224		0.4806	0.4806	0.0000	1,102.9781	1,102.9781	0.3567		1,111.8962

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	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1785	5.1048	1.4755	0.0121	0.2066	0.0244	0.2310	0.0638	0.0234	0.0871		1,293.3555	1,293.3555	0.0865		1,295.5177
Worker	0.9198	0.6525	7.2182	0.0200	1.2074	0.0168	1.2242	0.3361	0.0155	0.3516		1,993.3567	1,993.3567	0.0628		1,994.9274
Total	1.0983	5.7573	8.6936	0.0321	1.4139	0.0412	1.4552	0.3998	0.0388	0.4387		3,286.7122	3,286.7122	0.1493		3,290.4451

3.10 Building Construction (Tower 1B) - 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	lb/day										lb/day					
Off-Road	0.7750	7.9850	7.2637	0.0114		0.4475	0.4475		0.4117	0.4117		1,103.2158	1,103.2158	0.3568		1,112.1358
Total	0.7750	7.9850	7.2637	0.0114		0.4475	0.4475		0.4117	0.4117		1,103.2158	1,103.2158	0.3568		1,112.1358

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	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1532	4.6507	1.3477	0.0120	0.3073	9.8300e-003	0.3171	0.0885	9.4100e-003	0.0979		1,283.2585	1,283.2585	0.0828		1,285.3296
Worker	0.8583	0.5871	6.6286	0.0194	2.0120	0.0163	2.0282	0.5336	0.0150	0.5486		1,930.0520	1,930.0520	0.0568		1,931.4718
Total	1.0115	5.2377	7.9763	0.0314	2.3193	0.0261	2.3454	0.6221	0.0244	0.6464		3,213.3105	3,213.3105	0.1396		3,216.8014

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	lb/day										lb/day					

Off-Road	0.7750	7.9850	7.2637	0.0114		0.4475	0.4475		0.4117	0.4117	0.0000	1,103.2158	1,103.2158	0.3568		1,112.1358
Total	0.7750	7.9850	7.2637	0.0114		0.4475	0.4475		0.4117	0.4117	0.0000	1,103.2158	1,103.2158	0.3568		1,112.1358

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	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1532	4.6507	1.3477	0.0120	0.2066	9.8300e-003	0.2164	0.0638	9.4100e-003	0.0732		1,283.2585	1,283.2585	0.0828		1,285.3296
Worker	0.8583	0.5871	6.6286	0.0194	1.2074	0.0163	1.2236	0.3361	0.0150	0.3511		1,930.0520	1,930.0520	0.0568		1,931.4718
Total	1.0115	5.2377	7.9763	0.0314	1.4140	0.0261	1.4400	0.3999	0.0244	0.4242		3,213.3105	3,213.3105	0.1396		3,216.8014

3.11 Architectural Coating (Tower 1B) - 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	lb/day										lb/day					
Archit. Coating	6.1671					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309
Total	6.3860	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309

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	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0954	0.0652	0.7365	2.1500e-003	0.2236	1.8100e-003	0.2254	0.0593	1.6600e-003	0.0610		214.4502	214.4502	6.3100e-003		214.6080
Total	0.0954	0.0652	0.7365	2.1500e-003	0.2236	1.8100e-003	0.2254	0.0593	1.6600e-003	0.0610		214.4502	214.4502	6.3100e-003		214.6080

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	lb/day										lb/day					
Archit. Coating	6.1671					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941	0.0000	281.4481	281.4481	0.0193		281.9309
Total	6.3860	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941	0.0000	281.4481	281.4481	0.0193		281.9309

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
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Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0954	0.0652	0.7365	2.1500e-003	0.1342	1.8100e-003	0.1360	0.0373	1.6600e-003	0.0390		214.4502	214.4502	6.3100e-003		214.6080
Total	0.0954	0.0652	0.7365	2.1500e-003	0.1342	1.8100e-003	0.1360	0.0373	1.6600e-003	0.0390		214.4502	214.4502	6.3100e-003		214.6080

3.11 Architectural Coating (Tower 1B) - 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	lb/day										lb/day					
Archit. Coating	6.1671					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
Total	6.3716	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062

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	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0896	0.0589	0.6784	2.0800e-003	0.2236	1.7500e-003	0.2253	0.0593	1.6100e-003	0.0609		206.9139	206.9139	5.7000e-003		207.0563

Total	0.0896	0.0589	0.6784	2.0800e-003	0.2236	1.7500e-003	0.2253	0.0593	1.6100e-003	0.0609		206.9139	206.9139	5.7000e-003		207.0563
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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	lb/day										lb/day					
Archit. Coating	6.1671					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062
Total	6.3716	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062

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	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0896	0.0589	0.6784	2.0800e-003	0.1342	1.7500e-003	0.1359	0.0373	1.6100e-003	0.0390		206.9139	206.9139	5.7000e-003		207.0563
Total	0.0896	0.0589	0.6784	2.0800e-003	0.1342	1.7500e-003	0.1359	0.0373	1.6100e-003	0.0390		206.9139	206.9139	5.7000e-003		207.0563

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	lb/day										lb/day					
Mitigated	1.7351	8.8406	23.5321	0.0866	7.4193	0.0735	7.4929	1.9855	0.0686	2.0542		8,813.6284	8,813.6284	0.4586		8,825.0926
Unmitigated	1.7351	8.8406	23.5321	0.0866	7.4193	0.0735	7.4929	1.9855	0.0686	2.0542		8,813.6284	8,813.6284	0.4586		8,825.0926

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments High Rise	702.88	702.88	702.88	2,703,805	2,703,805
Enclosed Parking with Elevator	0.00	0.00	0.00		
General Office Building	215.39	62.71	26.76	536,798	536,798
Strip Mall	48.04	48.04	48.04	91,396	91,396
Total	966.31	813.62	777.68	3,331,999	3,331,999

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments High Rise	14.70	5.90	8.70	40.00	19.00	41.00	100	0	0
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Strip Mall	16.60	8.40	6.90	16.60	64.40	19.00	45	40	15

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments High Rise	0.546501	0.044961	0.204016	0.120355	0.015740	0.006196	0.020131	0.030678	0.002515	0.002201	0.005142	0.000687	0.000876

Enclosed Parking with Elevator	0.546501	0.044961	0.204016	0.120355	0.015740	0.006196	0.020131	0.030678	0.002515	0.002201	0.005142	0.000687	0.000876
General Office Building	0.546501	0.044961	0.204016	0.120355	0.015740	0.006196	0.020131	0.030678	0.002515	0.002201	0.005142	0.000687	0.000876
Strip Mall	0.546501	0.044961	0.204016	0.120355	0.015740	0.006196	0.020131	0.030678	0.002515	0.002201	0.005142	0.000687	0.000876

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Natural Gas Mitigated	0.1120	0.9612	0.4390	6.1100e-003		0.0774	0.0774		0.0774	0.0774		1,221.5772	1,221.5772	0.0234	0.0224	1,228.8364
Natural Gas Unmitigated	0.1120	0.9612	0.4390	6.1100e-003		0.0774	0.0774		0.0774	0.0774		1,221.5772	1,221.5772	0.0234	0.0224	1,228.8364

5.2 Energy by Land Use - Natural Gas

Unmitigated

	Natural Gas 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	lb/day										lb/day					
Apartments High Rise	9646.22	0.1040	0.8890	0.3783	5.6700e-003		0.0719	0.0719		0.0719	0.0719		1,134.8497	1,134.8497	0.0218	0.0208	1,141.5935
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

General Office Building	727.074	7.8400e-003	0.0713	0.0599	4.3000e-004		5.4200e-003	5.4200e-003		5.4200e-003	5.4200e-003		85.5382	85.5382	1.6400e-003	1.5700e-003	86.0465
Strip Mall	10.1096	1.1000e-004	9.9000e-004	8.3000e-004	1.0000e-005		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		1.1894	1.1894	2.0000e-005	2.0000e-005	1.1964
Total		0.1120	0.9612	0.4390	6.1100e-003		0.0774	0.0774		0.0774	0.0774		1,221.5772	1,221.5772	0.0234	0.0224	1,228.8364

Mitigated

	Natural Gas 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	lb/day										lb/day					
Apartments High Rise	9.64622	0.1040	0.8890	0.3783	5.6700e-003		0.0719	0.0719		0.0719	0.0719		1,134.8497	1,134.8497	0.0218	0.0208	1,141.5935
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	0.727074	7.8400e-003	0.0713	0.0599	4.3000e-004		5.4200e-003	5.4200e-003		5.4200e-003	5.4200e-003		85.5382	85.5382	1.6400e-003	1.5700e-003	86.0465
Strip Mall	0.0101096	1.1000e-004	9.9000e-004	8.3000e-004	1.0000e-005		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		1.1894	1.1894	2.0000e-005	2.0000e-005	1.1964
Total		0.1120	0.9612	0.4390	6.1100e-003		0.0774	0.0774		0.0774	0.0774		1,221.5772	1,221.5772	0.0234	0.0224	1,228.8364

6.0 Area Detail

6.1 Mitigation Measures Area

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

Landscaping	0.9533	0.3639	31.5537	1.6600e-003		0.1743	0.1743		0.1743	0.1743		56.7561	56.7561	0.0548		58.1253
Total	5.7707	0.3639	31.5537	1.6600e-003		0.1743	0.1743		0.1743	0.1743	0.0000	56.7561	56.7561	0.0548	0.0000	58.1253

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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11.0 Vegetation

Weingart Projects Future Construction+Operations Site 2 - Los Angeles-South Coast County, Summer

Weingart Projects Future Construction+Operations Site 2

Los Angeles-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	17.10	1000sqft	0.10	17,100.00	0
Enclosed Parking with Elevator	79.75	1000sqft	0.40	79,752.00	0
Apartments High Rise	382.00	Dwelling Unit	0.60	144,575.00	1093
Strip Mall	3.20	1000sqft	0.02	3,200.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	11			Operational Year	2023
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MW hr)	1227.89	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Developer information for Phase 1

Construction Phase - Developer information

Trips and VMT - Assumes 10CY capacity per haul truck;

Demolition - Assumes 18,360 sf of asphalt parking lot @ 6" removed @ 2,400 lb/CY for Tower 1A; assumes 4,870 CY of material @400 lb/CY for Tower 1B

Grading - Developer information

Vehicle Trips - LLG Weingart Projects traffic analysis; March 6, 2018

Woodstoves - Developer information

Construction Off-road Equipment Mitigation - Assumes SCAQMD Rule 403 control efficiencies

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	46
tblConstructionPhase	NumDays	20.00	15.00
tblConstructionPhase	NumDays	2.00	32.00
tblConstructionPhase	NumDays	4.00	7.00
tblConstructionPhase	NumDays	200.00	240.00
tblConstructionPhase	NumDays	10.00	239.00
tblFireplaces	NumberGas	324.70	0.00
tblFireplaces	NumberNoFireplace	38.20	382.00
tblFireplaces	NumberWood	19.10	0.00
tblGrading	AcresOfGrading	2.63	1.12
tblGrading	MaterialExported	0.00	10,200.00
tblLandUse	LandUseSquareFeet	79,750.00	79,752.00
tblLandUse	LandUseSquareFeet	382,000.00	144,575.00
tblLandUse	LotAcreage	0.39	0.10
tblLandUse	LotAcreage	1.83	0.40
tblLandUse	LotAcreage	6.16	0.60
tblLandUse	LotAcreage	0.07	0.02
tblTripsAndVMT	HaulingTripLength	20.00	50.00
tblTripsAndVMT	HaulingTripLength	20.00	50.00
tblTripsAndVMT	HaulingTripNumber	441.00	10.24
tblTripsAndVMT	HaulingTripNumber	1,275.00	1,020.00
tblTripsAndVMT	WorkerTripNumber	13.00	10.00
tblTripsAndVMT	WorkerTripNumber	8.00	50.00
tblTripsAndVMT	WorkerTripNumber	8.00	70.00
tblTripsAndVMT	WorkerTripNumber	315.00	190.00
tblTripsAndVMT	WorkerTripNumber	63.00	20.00

tblVehicleTrips	HO_TTP	40.60	41.00
tblVehicleTrips	HS_TTP	19.20	19.00
tblVehicleTrips	HW_TTP	40.20	40.00
tblVehicleTrips	ST_TR	4.98	1.84
tblVehicleTrips	ST_TR	42.04	21.35
tblVehicleTrips	SU_TR	3.65	1.84
tblVehicleTrips	WD_TR	4.20	1.84
tblVehicleTrips	WD_TR	11.03	9.41
tblVehicleTrips	WD_TR	44.32	21.35
tblWoodstoves	NumberCatalytic	19.10	0.00
tblWoodstoves	NumberNoncatalytic	19.10	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

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	lb/day										lb/day					
2022	7.5243	83.2399	28.7857	0.2794	11.9988	0.8401	12.7764	4.4779	0.7849	5.2027	0.0000	30,125.5803	30,125.5803	2.2028	0.0000	30,180.6493
2023	7.2926	17.5123	22.8449	0.0614	2.7122	0.6078	3.3200	0.7276	0.5885	1.3161	0.0000	6,010.3203	6,010.3203	0.4932	0.0000	6,022.6493
Maximum	7.5243	83.2399	28.7857	0.2794	11.9988	0.8401	12.7764	4.4779	0.7849	5.2027	0.0000	30,125.5803	30,125.5803	2.2028	0.0000	30,180.6493

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	lb/day										lb/day					
2022	7.5243	83.2399	28.7857	0.2794	6.4167	0.8401	7.1943	2.2672	0.7849	2.9920	0.0000	30,125.5803	30,125.5803	2.2028	0.0000	30,180.6493
2023	7.2926	17.5123	22.8449	0.0614	1.6539	0.6078	2.2617	0.4678	0.5885	1.0563	0.0000	6,010.3203	6,010.3203	0.4932	0.0000	6,022.6493
Maximum	7.5243	83.2399	28.7857	0.2794	6.4167	0.8401	7.1943	2.2672	0.7849	2.9920	0.0000	30,125.5803	30,125.5803	2.2028	0.0000	30,180.6493

	ROG	NOx	CO	SO2	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	45.14	0.00	41.25	47.46	0.00	37.90	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	lb/day										lb/day					
Area	4.5489	0.3635	31.5327	1.6600e-003		0.1745	0.1745		0.1745	0.1745	0.0000	56.7689	56.7689	0.0546	0.0000	58.1345
Energy	0.1094	0.9382	0.4196	5.9700e-003		0.0756	0.0756		0.0756	0.0756		1,193.9178	1,193.9178	0.0229	0.0219	1,201.0127
Mobile	1.5074	6.2206	20.4528	0.0772	6.4829	0.0565	6.5394	1.7349	0.0525	1.7874		7,867.1208	7,867.1208	0.3752		7,876.5019
Total	6.1657	7.5222	52.4052	0.0849	6.4829	0.3066	6.7895	1.7349	0.3026	2.0375	0.0000	9,117.8075	9,117.8075	0.4528	0.0219	9,135.6491

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
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Category	lb/day										lb/day					
Area	4.5489	0.3635	31.5327	1.6600e-003		0.1745	0.1745		0.1745	0.1745	0.0000	56.7689	56.7689	0.0546	0.0000	58.1345
Energy	0.1094	0.9382	0.4196	5.9700e-003		0.0756	0.0756		0.0756	0.0756		1,193.9178	1,193.9178	0.0229	0.0219	1,201.0127
Mobile	1.5074	6.2206	20.4528	0.0772	6.4829	0.0565	6.5394	1.7349	0.0525	1.7874		7,867.1208	7,867.1208	0.3752		7,876.5019
Total	6.1657	7.5222	52.4052	0.0849	6.4829	0.3066	6.7895	1.7349	0.3026	2.0375	0.0000	9,117.8075	9,117.8075	0.4528	0.0219	9,135.6491

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/28/2022	2/17/2022	5	15	
2	Site Preparation	Site Preparation	3/1/2022	4/13/2022	5	32	
3	Grading	Grading	2/18/2022	2/28/2022	5	7	
4	Building Construction	Building Construction	4/14/2022	3/15/2023	5	240	
5	Architectural Coating	Architectural Coating	10/13/2022	9/12/2023	5	239	

Acres of Grading (Site Preparation Phase): 16

Acres of Grading (Grading Phase): 1.12

Acres of Paving: 0.4

Residential Indoor: 292,764; Residential Outdoor: 97,588; Non-Residential Indoor: 30,450; Non-Residential Outdoor: 10,150; Striped Parking Area:

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	8.00	247	0.40

Demolition	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Rubber Tired Dozers	1	7.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Graders	1	6.00	187	0.41
Grading	Rubber Tired Dozers	1	6.00	247	0.40
Grading	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Building Construction	Cranes	1	6.00	231	0.29
Building Construction	Forklifts	1	6.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Welders	3	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
Demolition	5	10.00	0.00	10.24	14.70	6.90	50.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	3	50.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	3	70.00	0.00	1,020.00	14.70	6.90	50.00	LD_Mix	HDT_Mix	HHDT
Building Construction	7	190.00	57.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Replace Ground Cover

Water Exposed Area

Clean Paved Roads

3.2 Demolition - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.3584	0.0000	6.3584	0.9627	0.0000	0.9627			0.0000			0.0000
Off-Road	1.6889	16.6217	13.9605	0.0241		0.8379	0.8379		0.7829	0.7829		2,323.4168	2,323.4168	0.5921		2,338.2191
Total	1.6889	16.6217	13.9605	0.0241	6.3584	0.8379	7.1963	0.9627	0.7829	1.7456		2,323.4168	2,323.4168	0.5921		2,338.2191

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	lb/day										lb/day					
Hauling	0.0129	0.3576	0.1019	1.3000e-003	0.0304	1.2800e-003	0.0316	8.3700e-003	1.2200e-003	9.5900e-003		140.8731	140.8731	8.7600e-003		141.0920
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0402	0.0266	0.3716	1.1000e-003	0.1118	8.7000e-004	0.1127	0.0296	8.1000e-004	0.0305		109.8712	109.8712	3.0300e-003		109.9470
Total	0.0531	0.3842	0.4735	2.4000e-003	0.1421	2.1500e-003	0.1443	0.0380	2.0300e-003	0.0400		250.7443	250.7443	0.0118		251.0391

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	lb/day										lb/day					

Fugitive Dust					2.3558	0.0000	2.3558	0.3567	0.0000	0.3567			0.0000			0.0000
Off-Road	1.6889	16.6217	13.9605	0.0241		0.8379	0.8379		0.7829	0.7829	0.0000	2,323.4168	2,323.4168	0.5921		2,338.2191
Total	1.6889	16.6217	13.9605	0.0241	2.3558	0.8379	3.1937	0.3567	0.7829	1.1396	0.0000	2,323.4168	2,323.4168	0.5921		2,338.2191

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	lb/day										lb/day					
Hauling	0.0129	0.3576	0.1019	1.3000e-003	0.0200	1.2800e-003	0.0213	5.8200e-003	1.2200e-003	7.0400e-003		140.8731	140.8731	8.7600e-003		141.0920
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0402	0.0266	0.3716	1.1000e-003	0.0671	8.7000e-004	0.0680	0.0187	8.1000e-004	0.0195		109.8712	109.8712	3.0300e-003		109.9470
Total	0.0531	0.3842	0.4735	2.4000e-003	0.0871	2.1500e-003	0.0892	0.0245	2.0300e-003	0.0265		250.7443	250.7443	0.0118		251.0391

3.3 Site Preparation - 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	lb/day										lb/day					
Fugitive Dust					5.7996	0.0000	5.7996	2.9537	0.0000	2.9537			0.0000			0.0000
Off-Road	1.3122	14.6277	7.0939	0.0172		0.6225	0.6225		0.5727	0.5727		1,666.1738	1,666.1738	0.5389		1,679.6457
Total	1.3122	14.6277	7.0939	0.0172	5.7996	0.6225	6.4221	2.9537	0.5727	3.5264		1,666.1738	1,666.1738	0.5389		1,679.6457

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	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2008	0.1331	1.8580	5.5100e-003	0.5589	4.3700e-003	0.5633	0.1482	4.0300e-003	0.1523		549.3562	549.3562	0.0152		549.7352
Total	0.2008	0.1331	1.8580	5.5100e-003	0.5589	4.3700e-003	0.5633	0.1482	4.0300e-003	0.1523		549.3562	549.3562	0.0152		549.7352

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	lb/day										lb/day					
Fugitive Dust					2.1487	0.0000	2.1487	1.0944	0.0000	1.0944			0.0000			0.0000
Off-Road	1.3122	14.6277	7.0939	0.0172		0.6225	0.6225		0.5727	0.5727	0.0000	1,666.1738	1,666.1738	0.5389		1,679.6457
Total	1.3122	14.6277	7.0939	0.0172	2.1487	0.6225	2.7713	1.0944	0.5727	1.6671	0.0000	1,666.1738	1,666.1738	0.5389		1,679.6457

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
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Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2008	0.1331	1.8580	5.5100e-003	0.3354	4.3700e-003	0.3398	0.0934	4.0300e-003	0.0974		549.3562	549.3562	0.0152		549.7352
Total	0.2008	0.1331	1.8580	5.5100e-003	0.3354	4.3700e-003	0.3398	0.0934	4.0300e-003	0.0974		549.3562	549.3562	0.0152		549.7352

3.4 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.8510	0.0000	4.8510	2.5260	0.0000	2.5260			0.0000			0.0000
Off-Road	1.0832	12.0046	5.9360	0.0141		0.5173	0.5173		0.4759	0.4759		1,364.8198	1,364.8198	0.4414		1,375.8551
Total	1.0832	12.0046	5.9360	0.0141	4.8510	0.5173	5.3683	2.5260	0.4759	3.0019		1,364.8198	1,364.8198	0.4414		1,375.8551

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	lb/day										lb/day					
Hauling	2.5649	71.0490	20.2485	0.2576	6.3653	0.2542	6.6195	1.7445	0.2432	1.9877		27,991.6619	27,991.6619	1.7401		28,035.1649
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2811	0.1863	2.6012	7.7200e-003	0.7824	6.1200e-003	0.7886	0.2075	5.6400e-003	0.2132		769.0986	769.0986	0.0212		769.6293

Total	2.8459	71.2353	22.8497	0.2653	7.1478	0.2603	7.4081	1.9520	0.2488	2.2008		28,760.7605	28,760.7605	1.7614		28,804.7942
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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	lb/day										lb/day					
Fugitive Dust					1.7973	0.0000	1.7973	0.9359	0.0000	0.9359			0.0000			0.0000
Off-Road	1.0832	12.0046	5.9360	0.0141		0.5173	0.5173		0.4759	0.4759	0.0000	1,364.8198	1,364.8198	0.4414		1,375.8551
Total	1.0832	12.0046	5.9360	0.0141	1.7973	0.5173	2.3146	0.9359	0.4759	1.4118	0.0000	1,364.8198	1,364.8198	0.4414		1,375.8551

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	lb/day										lb/day					
Hauling	2.5649	71.0490	20.2485	0.2576	4.1499	0.2542	4.4041	1.2007	0.2432	1.4439		27,991.6619	27,991.6619	1.7401		28,035.1649
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2811	0.1863	2.6012	7.7200e-003	0.4695	6.1200e-003	0.4757	0.1307	5.6400e-003	0.1363		769.0986	769.0986	0.0212		769.6293
Total	2.8459	71.2353	22.8497	0.2653	4.6194	0.2603	4.8797	1.3314	0.2488	1.5802		28,760.7605	28,760.7605	1.7614		28,804.7942

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	lb/day										lb/day					
Off-Road	1.6487	12.5031	12.7264	0.0221		0.5889	0.5889		0.5689	0.5689		2,001.5429	2,001.5429	0.3486		2,010.2581
Total	1.6487	12.5031	12.7264	0.0221		0.5889	0.5889		0.5689	0.5689		2,001.5429	2,001.5429	0.3486		2,010.2581

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	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1626	5.2628	1.3689	0.0145	0.3649	9.8900e-003	0.3748	0.1051	9.4600e-003	0.1145		1,553.1696	1,553.1696	0.0891		1,555.3978
Worker	0.7629	0.5057	7.0605	0.0210	2.1238	0.0166	2.1404	0.5632	0.0153	0.5785		2,087.5534	2,087.5534	0.0576		2,088.9938
Total	0.9255	5.7685	8.4293	0.0355	2.4887	0.0265	2.5152	0.6683	0.0248	0.6931		3,640.7230	3,640.7230	0.1468		3,644.3917

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	lb/day										lb/day					

Off-Road	1.6487	12.5031	12.7264	0.0221		0.5889	0.5889		0.5689	0.5689	0.0000	2,001.5429	2,001.5429	0.3486		2,010.2581
Total	1.6487	12.5031	12.7264	0.0221		0.5889	0.5889		0.5689	0.5689	0.0000	2,001.5429	2,001.5429	0.3486		2,010.2581

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	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1626	5.2628	1.3689	0.0145	0.2453	9.8900e-003	0.2552	0.0757	9.4600e-003	0.0852		1,553.1696	1,553.1696	0.0891		1,555.3978
Worker	0.7629	0.5057	7.0605	0.0210	1.2744	0.0166	1.2911	0.3548	0.0153	0.3701		2,087.5534	2,087.5534	0.0576		2,088.9938
Total	0.9255	5.7685	8.4293	0.0355	1.5198	0.0265	1.5463	0.4305	0.0248	0.4553		3,640.7230	3,640.7230	0.1468		3,644.3917

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	lb/day										lb/day					
Off-Road	1.5233	11.7104	12.6111	0.0221		0.5145	0.5145		0.4968	0.4968		2,001.7877	2,001.7877	0.3399		2,010.2858
Total	1.5233	11.7104	12.6111	0.0221		0.5145	0.5145		0.4968	0.4968		2,001.7877	2,001.7877	0.3399		2,010.2858

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	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1206	3.9932	1.2362	0.0140	0.3649	4.6100e-003	0.3696	0.1051	4.4100e-003	0.1095		1,504.2723	1,504.2723	0.0790		1,506.2469
Worker	0.7164	0.4575	6.5021	0.0202	2.1238	0.0162	2.1399	0.5632	0.0149	0.5781		2,011.1158	2,011.1158	0.0520		2,012.4145
Total	0.8371	4.4507	7.7383	0.0342	2.4887	0.0208	2.5095	0.6683	0.0193	0.6876		3,515.3881	3,515.3881	0.1309		3,518.6615

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	lb/day										lb/day					
Off-Road	1.5233	11.7104	12.6111	0.0221		0.5145	0.5145		0.4968	0.4968	0.0000	2,001.7877	2,001.7877	0.3399		2,010.2858
Total	1.5233	11.7104	12.6111	0.0221		0.5145	0.5145		0.4968	0.4968	0.0000	2,001.7877	2,001.7877	0.3399		2,010.2858

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
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Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1206	3.9932	1.2362	0.0140	0.2453	4.6100e-003	0.2500	0.0757	4.4100e-003	0.0801		1,504.2723	1,504.2723	0.0790		1,506.2469
Worker	0.7164	0.4575	6.5021	0.0202	1.2744	0.0162	1.2906	0.3548	0.0149	0.3696		2,011.1158	2,011.1158	0.0520		2,012.4145
Total	0.8371	4.4507	7.7383	0.0342	1.5198	0.0208	1.5406	0.4305	0.0193	0.4498		3,515.3881	3,515.3881	0.1309		3,518.6615

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	lb/day										lb/day					
Archit. Coating	4.6653					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
Total	4.8698	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062

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	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0803	0.0532	0.7432	2.2100e-003	0.2236	1.7500e-003	0.2253	0.0593	1.6100e-003	0.0609		219.7425	219.7425	6.0600e-003		219.8941

Total	0.0803	0.0532	0.7432	2.2100e-003	0.2236	1.7500e-003	0.2253	0.0593	1.6100e-003	0.0609		219.7425	219.7425	6.0600e-003		219.8941
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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	lb/day										lb/day					
Archit. Coating	4.6653					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062
Total	4.8698	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062

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	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0803	0.0532	0.7432	2.2100e-003	0.1342	1.7500e-003	0.1359	0.0373	1.6100e-003	0.0390		219.7425	219.7425	6.0600e-003		219.8941
Total	0.0803	0.0532	0.7432	2.2100e-003	0.1342	1.7500e-003	0.1359	0.0373	1.6100e-003	0.0390		219.7425	219.7425	6.0600e-003		219.8941

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	lb/day										lb/day					
Archit. Coating	4.6653					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690
Total	4.8569	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690

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	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0754	0.0482	0.6844	2.1200e-003	0.2236	1.7000e-003	0.2253	0.0593	1.5700e-003	0.0609		211.6964	211.6964	5.4700e-003		211.8331
Total	0.0754	0.0482	0.6844	2.1200e-003	0.2236	1.7000e-003	0.2253	0.0593	1.5700e-003	0.0609		211.6964	211.6964	5.4700e-003		211.8331

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	lb/day										lb/day					

Archit. Coating	4.6653					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690
Total	4.8569	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690

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	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0754	0.0482	0.6844	2.1200e-003	0.1342	1.7000e-003	0.1359	0.0373	1.5700e-003	0.0389		211.6964	211.6964	5.4700e-003		211.8331
Total	0.0754	0.0482	0.6844	2.1200e-003	0.1342	1.7000e-003	0.1359	0.0373	1.5700e-003	0.0389		211.6964	211.6964	5.4700e-003		211.8331

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	lb/day										lb/day					
Mitigated	1.5074	6.2206	20.4528	0.0772	6.4829	0.0565	6.5394	1.7349	0.0525	1.7874		7,867.1208	7,867.1208	0.3752		7,876.5019

Unmitigated	1.5074	6.2206	20.4528	0.0772	6.4829	0.0565	6.5394	1.7349	0.0525	1.7874		7,867.1208	7,867.1208	0.3752		7,876.5019
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4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments High Rise	702.88	702.88	702.88	2,400,395	2,400,395
Enclosed Parking with Elevator	0.00	0.00	0.00		
General Office Building	160.91	42.07	17.96	397,885	397,885
Strip Mall	68.32	68.32	65.38	129,185	129,185
Total	932.11	813.27	786.21	2,927,465	2,927,465

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments High Rise	14.70	5.90	8.70	40.00	19.00	41.00	86	11	3
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Strip Mall	16.60	8.40	6.90	16.60	64.40	19.00	45	40	15

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments High Rise	0.545842	0.044768	0.205288	0.119317	0.015350	0.006227	0.020460	0.031333	0.002546	0.002133	0.005184	0.000692	0.000862
Enclosed Parking with Elevator	0.545842	0.044768	0.205288	0.119317	0.015350	0.006227	0.020460	0.031333	0.002546	0.002133	0.005184	0.000692	0.000862
General Office Building	0.545842	0.044768	0.205288	0.119317	0.015350	0.006227	0.020460	0.031333	0.002546	0.002133	0.005184	0.000692	0.000862
Strip Mall	0.545842	0.044768	0.205288	0.119317	0.015350	0.006227	0.020460	0.031333	0.002546	0.002133	0.005184	0.000692	0.000862

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Natural Gas Mitigated	0.1094	0.9382	0.4196	5.9700e-003		0.0756	0.0756		0.0756	0.0756		1,193.9178	1,193.9178	0.0229	0.0219	1,201.0127
Natural Gas Unmitigated	0.1094	0.9382	0.4196	5.9700e-003		0.0756	0.0756		0.0756	0.0756		1,193.9178	1,193.9178	0.0229	0.0219	1,201.0127

5.2 Energy by Land Use - Natural Gas

Unmitigated

	Natural Gas 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	lb/day										lb/day					
Apartments High Rise	9646.22	0.1040	0.8890	0.3783	5.6700e-003		0.0719	0.0719		0.0719	0.0719		1,134.8497	1,134.8497	0.0218	0.0208	1,141.5935
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	487.701	5.2600e-003	0.0478	0.0402	2.9000e-004		3.6300e-003	3.6300e-003		3.6300e-003	3.6300e-003		57.3766	57.3766	1.1000e-003	1.0500e-003	57.7176
Strip Mall	14.3781	1.6000e-004	1.4100e-003	1.1800e-003	1.0000e-005		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004		1.6915	1.6915	3.0000e-005	3.0000e-005	1.7016
Total		0.1095	0.9382	0.4196	5.9700e-003		0.0756	0.0756		0.0756	0.0756		1,193.9178	1,193.9178	0.0229	0.0219	1,201.0127

Mitigated

	Natural Gas 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
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Land Use	kBTU/yr	lb/day										lb/day					
Apartments High Rise	9.64622	0.1040	0.8890	0.3783	5.6700e-003		0.0719	0.0719		0.0719	0.0719		1,134.8497	1,134.8497	0.0218	0.0208	1,141.5935
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	0.487701	5.2600e-003	0.0478	0.0402	2.9000e-004		3.6300e-003	3.6300e-003		3.6300e-003	3.6300e-003		57.3766	57.3766	1.1000e-003	1.0500e-003	57.7176
Strip Mall	0.0143781	1.6000e-004	1.4100e-003	1.1800e-003	1.0000e-005		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004		1.6915	1.6915	3.0000e-005	3.0000e-005	1.7016
Total		0.1095	0.9382	0.4196	5.9700e-003		0.0756	0.0756		0.0756	0.0756		1,193.9178	1,193.9178	0.0229	0.0219	1,201.0127

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	4.5489	0.3635	31.5327	1.6600e-003		0.1745	0.1745		0.1745	0.1745	0.0000	56.7689	56.7689	0.0546	0.0000	58.1345
Unmitigated	4.5489	0.3635	31.5327	1.6600e-003		0.1745	0.1745		0.1745	0.1745	0.0000	56.7689	56.7689	0.0546	0.0000	58.1345

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
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SubCategory	lb/day										lb/day					
Architectural Coating	0.3055					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.2928					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.9506	0.3635	31.5327	1.6600e-003		0.1745	0.1745		0.1745	0.1745		56.7689	56.7689	0.0546		58.1345
Total	4.5489	0.3635	31.5327	1.6600e-003		0.1745	0.1745		0.1745	0.1745	0.0000	56.7689	56.7689	0.0546	0.0000	58.1345

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	lb/day										lb/day					
Architectural Coating	0.3055					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.2928					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.9506	0.3635	31.5327	1.6600e-003		0.1745	0.1745		0.1745	0.1745		56.7689	56.7689	0.0546		58.1345
Total	4.5489	0.3635	31.5327	1.6600e-003		0.1745	0.1745		0.1745	0.1745	0.0000	56.7689	56.7689	0.0546	0.0000	58.1345

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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11.0 Vegetation

Weingart Projects Future Construction+Operations Site 2 - Los Angeles-South Coast County, Annual

Weingart Projects Future Construction+Operations Site 2
Los Angeles-South Coast County, Annual

1.0 Project Characteristics**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	17.10	1000sqft	0.10	17,100.00	0
Enclosed Parking with Elevator	79.75	1000sqft	0.40	79,752.00	0
Apartments High Rise	382.00	Dwelling Unit	0.60	144,575.00	1093
Strip Mall	3.20	1000sqft	0.02	3,200.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	11			Operational Year	2023
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MW hr)	1227.89	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Developer information for Phase 1

Construction Phase - Developer information

Trips and VMT - Assumes 10CY capacity per haul truck;

Demolition - Assumes 18,360 sf of asphalt parking lot @ 6" removed @ 2,400 lb/CY for Tower 1A; assumes 4,870 CY of material @400 lb/CY for Tower 1B

Grading - Developer information

Vehicle Trips - LLG Weingart Projects traffic analysis; March 6, 2018

Woodstoves - Developer information

Construction Off-road Equipment Mitigation - Assumes SCAQMD Rule 403 control efficiencies

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	46
tblConstructionPhase	NumDays	20.00	15.00
tblConstructionPhase	NumDays	2.00	32.00
tblConstructionPhase	NumDays	4.00	7.00
tblConstructionPhase	NumDays	200.00	240.00
tblConstructionPhase	NumDays	10.00	239.00
tblFireplaces	NumberGas	324.70	0.00
tblFireplaces	NumberNoFireplace	38.20	382.00
tblFireplaces	NumberWood	19.10	0.00
tblGrading	AcresOfGrading	2.63	1.12
tblGrading	MaterialExported	0.00	10,200.00
tblLandUse	LandUseSquareFeet	79,750.00	79,752.00
tblLandUse	LandUseSquareFeet	382,000.00	144,575.00
tblLandUse	LotAcreage	0.39	0.10
tblLandUse	LotAcreage	1.83	0.40
tblLandUse	LotAcreage	6.16	0.60
tblLandUse	LotAcreage	0.07	0.02
tblTripsAndVMT	HaulingTripLength	20.00	50.00
tblTripsAndVMT	HaulingTripLength	20.00	50.00
tblTripsAndVMT	HaulingTripNumber	441.00	10.24
tblTripsAndVMT	HaulingTripNumber	1,275.00	1,020.00
tblTripsAndVMT	WorkerTripNumber	13.00	10.00
tblTripsAndVMT	WorkerTripNumber	8.00	50.00
tblTripsAndVMT	WorkerTripNumber	8.00	70.00
tblTripsAndVMT	WorkerTripNumber	315.00	190.00
tblTripsAndVMT	WorkerTripNumber	63.00	20.00

tblVehicleTrips	HO_TTP	40.60	41.00
tblVehicleTrips	HS_TTP	19.20	19.00
tblVehicleTrips	HW_TTP	40.20	40.00
tblVehicleTrips	ST_TR	4.98	1.84
tblVehicleTrips	ST_TR	42.04	21.35
tblVehicleTrips	SU_TR	3.65	1.84
tblVehicleTrips	WD_TR	4.20	1.84
tblVehicleTrips	WD_TR	11.03	9.41
tblVehicleTrips	WD_TR	44.32	21.35
tblWoodstoves	NumberCatalytic	19.10	0.00
tblWoodstoves	NumberNoncatalytic	19.10	0.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	0.4335	2.4309	2.3656	6.9600e-003	0.4263	0.0790	0.5053	0.1357	0.0755	0.2113	0.0000	626.7737	626.7737	0.0618	0.0000	628.3189
2023	0.5116	0.5547	0.7530	1.9200e-003	0.0846	0.0208	0.1054	0.0227	0.0203	0.0430	0.0000	170.1231	170.1231	0.0131	0.0000	170.4514
Maximum	0.5116	2.4309	2.3656	6.9600e-003	0.4263	0.0790	0.5053	0.1357	0.0755	0.2113	0.0000	626.7737	626.7737	0.0618	0.0000	628.3189

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					
2022	0.4335	2.4309	2.3656	6.9600e-003	0.2236	0.0790	0.3026	0.0704	0.0755	0.1460	0.0000	626.7734	626.7734	0.0618	0.0000	628.3186
2023	0.5116	0.5547	0.7530	1.9200e-003	0.0516	0.0208	0.0724	0.0146	0.0203	0.0349	0.0000	170.1230	170.1230	0.0131	0.0000	170.4514
Maximum	0.5116	2.4309	2.3656	6.9600e-003	0.2236	0.0790	0.3026	0.0704	0.0755	0.1460	0.0000	626.7734	626.7734	0.0618	0.0000	628.3186

	ROG	NOx	CO	SO2	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	46.14	0.00	38.60	46.34	0.00	28.87	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-28-2022	4-27-2022	0.8508	0.8508
2	4-28-2022	7-27-2022	0.6775	0.6775
3	7-28-2022	10-27-2022	0.7207	0.7207
4	10-28-2022	1-27-2023	0.8768	0.8768
5	1-28-2023	4-27-2023	0.5152	0.5152
6	4-28-2023	7-27-2023	0.2042	0.2042
7	7-28-2023	9-30-2023	0.1055	0.1055
		Highest	0.8768	0.8768

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	0.7755	0.0454	3.9416	2.1000e-004		0.0218	0.0218		0.0218	0.0218	0.0000	6.4375	6.4375	6.1900e-003	0.0000	6.5924
Energy	0.0200	0.1712	0.0766	1.0900e-003		0.0138	0.0138		0.0138	0.0138	0.0000	1,448.2826	1,448.2826	0.0333	9.7300e-003	1,452.0167

Mobile	0.2491	1.1332	3.4360	0.0130	1.1111	9.8700e-003	1.1210	0.2978	9.1800e-003	0.3070	0.0000	1,204.0517	1,204.0517	0.0590	0.0000	1,205.5278
Waste						0.0000	0.0000		0.0000	0.0000	39.5792	0.0000	39.5792	2.3391	0.0000	98.0557
Water						0.0000	0.0000		0.0000	0.0000	8.9355	313.7765	322.7120	0.9252	0.0232	352.7560
Total	1.0446	1.3498	7.4542	0.0143	1.1111	0.0455	1.1566	0.2978	0.0448	0.3426	48.5147	2,972.5483	3,021.0630	3.3628	0.0329	3,114.9486

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	0.7755	0.0454	3.9416	2.1000e-004		0.0218	0.0218		0.0218	0.0218	0.0000	6.4375	6.4375	6.1900e-003	0.0000	6.5924
Energy	0.0200	0.1712	0.0766	1.0900e-003		0.0138	0.0138		0.0138	0.0138	0.0000	1,448.2826	1,448.2826	0.0333	9.7300e-003	1,452.0167
Mobile	0.2491	1.1332	3.4360	0.0130	1.1111	9.8700e-003	1.1210	0.2978	9.1800e-003	0.3070	0.0000	1,204.0517	1,204.0517	0.0590	0.0000	1,205.5278
Waste						0.0000	0.0000		0.0000	0.0000	39.5792	0.0000	39.5792	2.3391	0.0000	98.0557
Water						0.0000	0.0000		0.0000	0.0000	8.9355	313.7765	322.7120	0.9252	0.0232	352.7560
Total	1.0446	1.3498	7.4542	0.0143	1.1111	0.0455	1.1566	0.2978	0.0448	0.3426	48.5147	2,972.5483	3,021.0630	3.3628	0.0329	3,114.9486

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/28/2022	2/17/2022	5	15	

2	Site Preparation	Site Preparation	3/1/2022	4/13/2022	5	32
3	Grading	Grading	2/18/2022	2/28/2022	5	7
4	Building Construction	Building Construction	4/14/2022	3/15/2023	5	240
5	Architectural Coating	Architectural Coating	10/13/2022	9/12/2023	5	239

Acres of Grading (Site Preparation Phase): 16

Acres of Grading (Grading Phase): 1.12

Acres of Paving: 0.4

Residential Indoor: 292,764; Residential Outdoor: 97,588; Non-Residential Indoor: 30,450; Non-Residential Outdoor: 10,150; Striped Parking Area:

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	8.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Rubber Tired Dozers	1	7.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Graders	1	6.00	187	0.41
Grading	Rubber Tired Dozers	1	6.00	247	0.40
Grading	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Building Construction	Cranes	1	6.00	231	0.29
Building Construction	Forklifts	1	6.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Welders	3	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
Demolition	5	10.00	0.00	10.24	14.70	6.90	50.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	3	50.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	3	70.00	0.00	1,020.00	14.70	6.90	50.00	LD_Mix	HDT_Mix	HHDT
Building Construction	7	190.00	57.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Replace Ground Cover

Water Exposed Area

Clean Paved Roads

3.2 Demolition - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0477	0.0000	0.0477	7.2200e-003	0.0000	7.2200e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0127	0.1247	0.1047	1.8000e-004		6.2800e-003	6.2800e-003		5.8700e-003	5.8700e-003	0.0000	15.8083	15.8083	4.0300e-003	0.0000	15.9090
Total	0.0127	0.1247	0.1047	1.8000e-004	0.0477	6.2800e-003	0.0540	7.2200e-003	5.8700e-003	0.0131	0.0000	15.8083	15.8083	4.0300e-003	0.0000	15.9090

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
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Category	tons/yr										MT/yr					
Hauling	1.0000e-004	2.8000e-003	7.7000e-004	1.0000e-005	2.2000e-004	1.0000e-005	2.3000e-004	6.0000e-005	1.0000e-005	7.0000e-005	0.0000	0.9554	0.9554	6.0000e-005	0.0000	0.9569
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.0000e-004	2.3000e-004	2.6100e-003	1.0000e-005	8.2000e-004	1.0000e-005	8.3000e-004	2.2000e-004	1.0000e-005	2.2000e-004	0.0000	0.7156	0.7156	2.0000e-005	0.0000	0.7161
Total	4.0000e-004	3.0300e-003	3.3800e-003	2.0000e-005	1.0400e-003	2.0000e-005	1.0600e-003	2.8000e-004	2.0000e-005	2.9000e-004	0.0000	1.6710	1.6710	8.0000e-005	0.0000	1.6730

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					0.0177	0.0000	0.0177	2.6800e-003	0.0000	2.6800e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0127	0.1247	0.1047	1.8000e-004		6.2800e-003	6.2800e-003		5.8700e-003	5.8700e-003	0.0000	15.8082	15.8082	4.0300e-003	0.0000	15.9090
Total	0.0127	0.1247	0.1047	1.8000e-004	0.0177	6.2800e-003	0.0240	2.6800e-003	5.8700e-003	8.5500e-003	0.0000	15.8082	15.8082	4.0300e-003	0.0000	15.9090

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	1.0000e-004	2.8000e-003	7.7000e-004	1.0000e-005	1.5000e-004	1.0000e-005	1.6000e-004	4.0000e-005	1.0000e-005	5.0000e-005	0.0000	0.9554	0.9554	6.0000e-005	0.0000	0.9569
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.0000e-004	2.3000e-004	2.6100e-003	1.0000e-005	4.9000e-004	1.0000e-005	5.0000e-004	1.4000e-004	1.0000e-005	1.4000e-004	0.0000	0.7156	0.7156	2.0000e-005	0.0000	0.7161

Total	4.0000e-004	3.0300e-003	3.3800e-003	2.0000e-005	6.4000e-004	2.0000e-005	6.6000e-004	1.8000e-004	2.0000e-005	1.9000e-004	0.0000	1.6710	1.6710	8.0000e-005	0.0000	1.6730
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3.3 Site Preparation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0928	0.0000	0.0928	0.0473	0.0000	0.0473	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0210	0.2340	0.1135	2.8000e-004		9.9600e-003	9.9600e-003		9.1600e-003	9.1600e-003	0.0000	24.1844	24.1844	7.8200e-003	0.0000	24.3800
Total	0.0210	0.2340	0.1135	2.8000e-004	0.0928	9.9600e-003	0.1028	0.0473	9.1600e-003	0.0564	0.0000	24.1844	24.1844	7.8200e-003	0.0000	24.3800

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.2300e-003	2.4200e-003	0.0279	8.0000e-005	8.7700e-003	7.0000e-005	8.8400e-003	2.3300e-003	6.0000e-005	2.3900e-003	0.0000	7.6332	7.6332	2.1000e-004	0.0000	7.6385
Total	3.2300e-003	2.4200e-003	0.0279	8.0000e-005	8.7700e-003	7.0000e-005	8.8400e-003	2.3300e-003	6.0000e-005	2.3900e-003	0.0000	7.6332	7.6332	2.1000e-004	0.0000	7.6385

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					0.0344	0.0000	0.0344	0.0175	0.0000	0.0175	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0210	0.2340	0.1135	2.8000e-004		9.9600e-003	9.9600e-003		9.1600e-003	9.1600e-003	0.0000	24.1844	24.1844	7.8200e-003	0.0000	24.3800
Total	0.0210	0.2340	0.1135	2.8000e-004	0.0344	9.9600e-003	0.0443	0.0175	9.1600e-003	0.0267	0.0000	24.1844	24.1844	7.8200e-003	0.0000	24.3800

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.2300e-003	2.4200e-003	0.0279	8.0000e-005	5.2700e-003	7.0000e-005	5.3400e-003	1.4700e-003	6.0000e-005	1.5300e-003	0.0000	7.6332	7.6332	2.1000e-004	0.0000	7.6385
Total	3.2300e-003	2.4200e-003	0.0279	8.0000e-005	5.2700e-003	7.0000e-005	5.3400e-003	1.4700e-003	6.0000e-005	1.5300e-003	0.0000	7.6332	7.6332	2.1000e-004	0.0000	7.6385

3.4 Grading - 2022

Unmitigated Construction On-Site

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

Fugitive Dust					0.0170	0.0000	0.0170	8.8400e-003	0.0000	8.8400e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.7900e-003	0.0420	0.0208	5.0000e-005		1.8100e-003	1.8100e-003		1.6700e-003	1.6700e-003	0.0000	4.3335	4.3335	1.4000e-003	0.0000	4.3685
Total	3.7900e-003	0.0420	0.0208	5.0000e-005	0.0170	1.8100e-003	0.0188	8.8400e-003	1.6700e-003	0.0105	0.0000	4.3335	4.3335	1.4000e-003	0.0000	4.3685

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	9.0200e-003	0.2596	0.0715	9.0000e-004	0.0219	8.9000e-004	0.0228	6.0100e-003	8.5000e-004	6.8700e-003	0.0000	88.5936	88.5936	5.5600e-003	0.0000	88.7326
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.9000e-004	7.4000e-004	8.5400e-003	3.0000e-005	2.6800e-003	2.0000e-005	2.7100e-003	7.1000e-004	2.0000e-005	7.3000e-004	0.0000	2.3377	2.3377	6.0000e-005	0.0000	2.3393
Total	0.0100	0.2603	0.0800	9.3000e-004	0.0246	9.1000e-004	0.0255	6.7200e-003	8.7000e-004	7.6000e-003	0.0000	90.9313	90.9313	5.6200e-003	0.0000	91.0719

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					6.2900e-003	0.0000	6.2900e-003	3.2800e-003	0.0000	3.2800e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.7900e-003	0.0420	0.0208	5.0000e-005		1.8100e-003	1.8100e-003		1.6700e-003	1.6700e-003	0.0000	4.3335	4.3335	1.4000e-003	0.0000	4.3685
Total	3.7900e-003	0.0420	0.0208	5.0000e-005	6.2900e-003	1.8100e-003	8.1000e-003	3.2800e-003	1.6700e-003	4.9500e-003	0.0000	4.3335	4.3335	1.4000e-003	0.0000	4.3685

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	9.0200e-003	0.2596	0.0715	9.0000e-004	0.0143	8.9000e-004	0.0152	4.1500e-003	8.5000e-004	5.0100e-003	0.0000	88.5936	88.5936	5.5600e-003	0.0000	88.7326
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.9000e-004	7.4000e-004	8.5400e-003	3.0000e-005	1.6100e-003	2.0000e-005	1.6400e-003	4.5000e-004	2.0000e-005	4.7000e-004	0.0000	2.3377	2.3377	6.0000e-005	0.0000	2.3393
Total	0.0100	0.2603	0.0800	9.3000e-004	0.0159	9.1000e-004	0.0169	4.6000e-003	8.7000e-004	5.4800e-003	0.0000	90.9313	90.9313	5.6200e-003	0.0000	91.0719

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	0.1542	1.1690	1.1899	2.0600e-003		0.0551	0.0551		0.0532	0.0532	0.0000	169.7744	169.7744	0.0296	0.0000	170.5137
Total	0.1542	1.1690	1.1899	2.0600e-003		0.0551	0.0551		0.0532	0.0532	0.0000	169.7744	169.7744	0.0296	0.0000	170.5137

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
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Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0155	0.4997	0.1349	1.3400e-003	0.0336	9.4000e-004	0.0345	9.6900e-003	9.0000e-004	0.0106	0.0000	130.2165	130.2165	7.7800e-003	0.0000	130.4109
Worker	0.0717	0.0538	0.6190	1.8800e-003	0.1947	1.5500e-003	0.1962	0.0517	1.4300e-003	0.0531	0.0000	169.5056	169.5056	4.6700e-003	0.0000	169.6223
Total	0.0872	0.5535	0.7539	3.2200e-003	0.2282	2.4900e-003	0.2307	0.0614	2.3300e-003	0.0637	0.0000	299.7221	299.7221	0.0125	0.0000	300.0332

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	0.1542	1.1690	1.1899	2.0600e-003		0.0551	0.0551		0.0532	0.0532	0.0000	169.7742	169.7742	0.0296	0.0000	170.5135
Total	0.1542	1.1690	1.1899	2.0600e-003		0.0551	0.0551		0.0532	0.0532	0.0000	169.7742	169.7742	0.0296	0.0000	170.5135

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0155	0.4997	0.1349	1.3400e-003	0.0226	9.4000e-004	0.0236	7.0100e-003	9.0000e-004	7.9000e-003	0.0000	130.2165	130.2165	7.7800e-003	0.0000	130.4109
Worker	0.0717	0.0538	0.6190	1.8800e-003	0.1171	1.5500e-003	0.1186	0.0327	1.4300e-003	0.0341	0.0000	169.5056	169.5056	4.6700e-003	0.0000	169.6223

Total	0.0872	0.5535	0.7539	3.2200e-003	0.1397	2.4900e-003	0.1422	0.0397	2.3300e-003	0.0420	0.0000	299.7221	299.7221	0.0125	0.0000	300.0332
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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	0.0404	0.3103	0.3342	5.8000e-004		0.0136	0.0136		0.0132	0.0132	0.0000	48.1238	48.1238	8.1700e-003	0.0000	48.3281
Total	0.0404	0.3103	0.3342	5.8000e-004		0.0136	0.0136		0.0132	0.0132	0.0000	48.1238	48.1238	8.1700e-003	0.0000	48.3281

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.2700e-003	0.1070	0.0343	3.7000e-004	9.5200e-003	1.2000e-004	9.6400e-003	2.7500e-003	1.2000e-004	2.8700e-003	0.0000	35.7509	35.7509	1.9500e-003	0.0000	35.7996
Worker	0.0191	0.0138	0.1613	5.1000e-004	0.0552	4.3000e-004	0.0556	0.0147	3.9000e-004	0.0151	0.0000	46.2837	46.2837	1.1900e-003	0.0000	46.3135
Total	0.0224	0.1208	0.1956	8.8000e-004	0.0647	5.5000e-004	0.0652	0.0174	5.1000e-004	0.0179	0.0000	82.0346	82.0346	3.1400e-003	0.0000	82.1131

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	0.0404	0.3103	0.3342	5.8000e-004		0.0136	0.0136		0.0132	0.0132	0.0000	48.1237	48.1237	8.1700e-003	0.0000	48.3280
Total	0.0404	0.3103	0.3342	5.8000e-004		0.0136	0.0136		0.0132	0.0132	0.0000	48.1237	48.1237	8.1700e-003	0.0000	48.3280

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.2700e-003	0.1070	0.0343	3.7000e-004	6.4200e-003	1.2000e-004	6.5400e-003	1.9900e-003	1.2000e-004	2.1100e-003	0.0000	35.7509	35.7509	1.9500e-003	0.0000	35.7996
Worker	0.0191	0.0138	0.1613	5.1000e-004	0.0332	4.3000e-004	0.0336	9.2500e-003	3.9000e-004	9.6500e-003	0.0000	46.2837	46.2837	1.1900e-003	0.0000	46.3135
Total	0.0224	0.1208	0.1956	8.8000e-004	0.0396	5.5000e-004	0.0401	0.0112	5.1000e-004	0.0118	0.0000	82.0346	82.0346	3.1400e-003	0.0000	82.1131

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	0.1330					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.8300e-003	0.0401	0.0517	8.0000e-005		2.3300e-003	2.3300e-003		2.3300e-003	2.3300e-003	0.0000	7.2768	7.2768	4.7000e-004	0.0000	7.2886
Total	0.1388	0.0401	0.0517	8.0000e-005		2.3300e-003	2.3300e-003		2.3300e-003	2.3300e-003	0.0000	7.2768	7.2768	4.7000e-004	0.0000	7.2886

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.3000e-003	1.7200e-003	0.0199	6.0000e-005	6.2500e-003	5.0000e-005	6.3000e-003	1.6600e-003	5.0000e-005	1.7000e-003	0.0000	5.4387	5.4387	1.5000e-004	0.0000	5.4424
Total	2.3000e-003	1.7200e-003	0.0199	6.0000e-005	6.2500e-003	5.0000e-005	6.3000e-003	1.6600e-003	5.0000e-005	1.7000e-003	0.0000	5.4387	5.4387	1.5000e-004	0.0000	5.4424

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	0.1330					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.8300e-003	0.0401	0.0517	8.0000e-005		2.3300e-003	2.3300e-003		2.3300e-003	2.3300e-003	0.0000	7.2768	7.2768	4.7000e-004	0.0000	7.2886
Total	0.1388	0.0401	0.0517	8.0000e-005		2.3300e-003	2.3300e-003		2.3300e-003	2.3300e-003	0.0000	7.2768	7.2768	4.7000e-004	0.0000	7.2886

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.3000e-003	1.7200e-003	0.0199	6.0000e-005	3.7600e-003	5.0000e-005	3.8100e-003	1.0500e-003	5.0000e-005	1.0900e-003	0.0000	5.4387	5.4387	1.5000e-004	0.0000	5.4424
Total	2.3000e-003	1.7200e-003	0.0199	6.0000e-005	3.7600e-003	5.0000e-005	3.8100e-003	1.0500e-003	5.0000e-005	1.0900e-003	0.0000	5.4387	5.4387	1.5000e-004	0.0000	5.4424

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	0.4245					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0174	0.1186	0.1648	2.7000e-004		6.4400e-003	6.4400e-003		6.4400e-003	6.4400e-003	0.0000	23.2346	23.2346	1.3900e-003	0.0000	23.2694
Total	0.4420	0.1186	0.1648	2.7000e-004		6.4400e-003	6.4400e-003		6.4400e-003	6.4400e-003	0.0000	23.2346	23.2346	1.3900e-003	0.0000	23.2694

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.9000e-003	4.9800e-003	0.0583	1.9000e-004	0.0199	1.5000e-004	0.0201	5.3000e-003	1.4000e-004	5.4400e-003	0.0000	16.7302	16.7302	4.3000e-004	0.0000	16.7409
Total	6.9000e-003	4.9800e-003	0.0583	1.9000e-004	0.0199	1.5000e-004	0.0201	5.3000e-003	1.4000e-004	5.4400e-003	0.0000	16.7302	16.7302	4.3000e-004	0.0000	16.7409

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	0.4245					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0174	0.1186	0.1648	2.7000e-004		6.4400e-003	6.4400e-003		6.4400e-003	6.4400e-003	0.0000	23.2346	23.2346	1.3900e-003	0.0000	23.2693
Total	0.4420	0.1186	0.1648	2.7000e-004		6.4400e-003	6.4400e-003		6.4400e-003	6.4400e-003	0.0000	23.2346	23.2346	1.3900e-003	0.0000	23.2693

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.9000e-003	4.9800e-003	0.0583	1.9000e-004	0.0120	1.5000e-004	0.0122	3.3500e-003	1.4000e-004	3.4900e-003	0.0000	16.7302	16.7302	4.3000e-004	0.0000	16.7409

Total	6.9000e-003	4.9800e-003	0.0583	1.9000e-004	0.0120	1.5000e-004	0.0122	3.3500e-003	1.4000e-004	3.4900e-003	0.0000	16.7302	16.7302	4.3000e-004	0.0000	16.7409
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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	0.2491	1.1332	3.4360	0.0130	1.1111	9.8700e-003	1.1210	0.2978	9.1800e-003	0.3070	0.0000	1,204.0517	1,204.0517	0.0590	0.0000	1,205.5278
Unmitigated	0.2491	1.1332	3.4360	0.0130	1.1111	9.8700e-003	1.1210	0.2978	9.1800e-003	0.3070	0.0000	1,204.0517	1,204.0517	0.0590	0.0000	1,205.5278

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments High Rise	702.88	702.88	702.88	2,400,395	2,400,395
Enclosed Parking with Elevator	0.00	0.00	0.00		
General Office Building	160.91	42.07	17.96	397,885	397,885
Strip Mall	68.32	68.32	65.38	129,185	129,185
Total	932.11	813.27	786.21	2,927,465	2,927,465

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments High Rise	14.70	5.90	8.70	40.00	19.00	41.00	86	11	3
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4

Strip Mall	16.60	8.40	6.90	16.60	64.40	19.00	45	40	15
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4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments High Rise	0.545842	0.044768	0.205288	0.119317	0.015350	0.006227	0.020460	0.031333	0.002546	0.002133	0.005184	0.000692	0.000862
Enclosed Parking with Elevator	0.545842	0.044768	0.205288	0.119317	0.015350	0.006227	0.020460	0.031333	0.002546	0.002133	0.005184	0.000692	0.000862
General Office Building	0.545842	0.044768	0.205288	0.119317	0.015350	0.006227	0.020460	0.031333	0.002546	0.002133	0.005184	0.000692	0.000862
Strip Mall	0.545842	0.044768	0.205288	0.119317	0.015350	0.006227	0.020460	0.031333	0.002546	0.002133	0.005184	0.000692	0.000862

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	1,250.6161	1,250.6161	0.0295	6.1100e-003	1,253.1756
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	1,250.6161	1,250.6161	0.0295	6.1100e-003	1,253.1756
NaturalGas Mitigated	0.0200	0.1712	0.0766	1.0900e-003		0.0138	0.0138		0.0138	0.0138	0.0000	197.6665	197.6665	3.7900e-003	3.6200e-003	198.8411
NaturalGas Unmitigated	0.0200	0.1712	0.0766	1.0900e-003		0.0138	0.0138		0.0138	0.0138	0.0000	197.6665	197.6665	3.7900e-003	3.6200e-003	198.8411

5.2 Energy by Land Use - NaturalGas

Unmitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments High Rise	3.52087e+06	0.0190	0.1622	0.0690	1.0400e-003		0.0131	0.0131		0.0131	0.0131	0.0000	187.8871	187.8871	3.6000e-003	3.4400e-003	189.0036
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	178011	9.6000e-004	8.7300e-003	7.3300e-003	5.0000e-005		6.6000e-004	6.6000e-004		6.6000e-004	6.6000e-004	0.0000	9.4993	9.4993	1.8000e-004	1.7000e-004	9.5558
Strip Mall	5248	3.0000e-005	2.6000e-004	2.2000e-004	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.2801	0.2801	1.0000e-005	1.0000e-005	0.2817
Total		0.0200	0.1712	0.0766	1.0900e-003		0.0138	0.0138		0.0138	0.0138	0.0000	197.6665	197.6665	3.7900e-003	3.6200e-003	198.8411

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments High Rise	3.52087e+06	0.0190	0.1622	0.0690	1.0400e-003		0.0131	0.0131		0.0131	0.0131	0.0000	187.8871	187.8871	3.6000e-003	3.4400e-003	189.0036
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	178011	9.6000e-004	8.7300e-003	7.3300e-003	5.0000e-005		6.6000e-004	6.6000e-004		6.6000e-004	6.6000e-004	0.0000	9.4993	9.4993	1.8000e-004	1.7000e-004	9.5558
Strip Mall	5248	3.0000e-005	2.6000e-004	2.2000e-004	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.2801	0.2801	1.0000e-005	1.0000e-005	0.2817
Total		0.0200	0.1712	0.0766	1.0900e-003		0.0138	0.0138		0.0138	0.0138	0.0000	197.6665	197.6665	3.7900e-003	3.6200e-003	198.8411

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
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Land Use	kWh/yr	MT/yr			
Apartments High Rise	1.51275e+06	842.5439	0.0199	4.1200e-003	844.2682
Enclosed Parking with Elevator	467347	260.2942	6.1500e-003	1.2700e-003	260.8269
General Office Building	222129	123.7173	2.9200e-003	6.0000e-004	123.9705
Strip Mall	43200	24.0607	5.7000e-004	1.2000e-004	24.1100
Total		1,250.6161	0.0295	6.1100e-003	1,253.1756

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments High Rise	1.51275e+06	842.5439	0.0199	4.1200e-003	844.2682
Enclosed Parking with Elevator	467347	260.2942	6.1500e-003	1.2700e-003	260.8269
General Office Building	222129	123.7173	2.9200e-003	6.0000e-004	123.9705
Strip Mall	43200	24.0607	5.7000e-004	1.2000e-004	24.1100
Total		1,250.6161	0.0295	6.1100e-003	1,253.1756

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.7755	0.0454	3.9416	2.1000e-004		0.0218	0.0218		0.0218	0.0218	0.0000	6.4375	6.4375	6.1900e-003	0.0000	6.5924
Unmitigated	0.7755	0.0454	3.9416	2.1000e-004		0.0218	0.0218		0.0218	0.0218	0.0000	6.4375	6.4375	6.1900e-003	0.0000	6.5924

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	0.0558					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.6009					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.1188	0.0454	3.9416	2.1000e-004		0.0218	0.0218		0.0218	0.0218	0.0000	6.4375	6.4375	6.1900e-003	0.0000	6.5924
Total	0.7755	0.0454	3.9416	2.1000e-004		0.0218	0.0218		0.0218	0.0218	0.0000	6.4375	6.4375	6.1900e-003	0.0000	6.5924

Mitigated

[illegible]

Consumer Products	0.6009					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.1188	0.0454	3.9416	2.1000e-004		0.0218	0.0218		0.0218	0.0218	0.0000	6.4375	6.4375	6.1900e-003	0.0000	6.5924
Total	0.7755	0.0454	3.9416	2.1000e-004		0.0218	0.0218		0.0218	0.0218	0.0000	6.4375	6.4375	6.1900e-003	0.0000	6.5924

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	322.7120	0.9252	0.0232	352.7560
Unmitigated	322.7120	0.9252	0.0232	352.7560

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments High Rise	24.8888 / 15.6908	285.4870	0.8176	0.0205	312.0367
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000

General Office Building	3.03925 / 1.86276	34.5319	0.0998	2.5000e-003	37.7733
Strip Mall	0.237032 / 0.145278	2.6932	7.7900e-003	2.0000e-004	2.9460
Total		322.7120	0.9252	0.0232	352.7560

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments High Rise	24.8888 / 15.6908	285.4870	0.8176	0.0205	312.0367
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
General Office Building	3.03925 / 1.86276	34.5319	0.0998	2.5000e-003	37.7733
Strip Mall	0.237032 / 0.145278	2.6932	7.7900e-003	2.0000e-004	2.9460
Total		322.7120	0.9252	0.0232	352.7560

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			

Mitigated	39.5792	2.3391	0.0000	98.0557
Unmitigated	39.5792	2.3391	0.0000	98.0557

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments High Rise	175.72	35.6696	2.1080	0.0000	88.3699
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
General Office Building	15.9	3.2276	0.1907	0.0000	7.9961
Strip Mall	3.36	0.6821	0.0403	0.0000	1.6898
Total		39.5792	2.3391	0.0000	98.0557

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments High Rise	175.72	35.6696	2.1080	0.0000	88.3699
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
General Office Building	15.9	3.2276	0.1907	0.0000	7.9961

Strip Mall	3.36	0.6821	0.0403	0.0000	1.6898
Total		39.5792	2.3391	0.0000	98.0557

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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11.0 Vegetation

Weingart Projects Future Construction+Operations Site 2 - Los Angeles-South Coast County, Winter

Weingart Projects Future Construction+Operations Site 2
Los Angeles-South Coast County, Winter

1.0 Project Characteristics**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	17.10	1000sqft	0.10	17,100.00	0
Enclosed Parking with Elevator	79.75	1000sqft	0.40	79,752.00	0
Apartments High Rise	382.00	Dwelling Unit	0.60	144,575.00	1093
Strip Mall	3.20	1000sqft	0.02	3,200.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	11			Operational Year	2023
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MW hr)	1227.89	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Developer information for Phase 1

Construction Phase - Developer information

Trips and VMT - Assumes 10CY capacity per haul truck;

Demolition - Assumes 18,360 sf of asphalt parking lot @ 6" removed @ 2,400 lb/CY for Tower 1A; assumes 4,870 CY of material @400 lb/CY for Tower 1B

Grading - Developer information

Vehicle Trips - LLG Weingart Projects traffic analysis; March 6, 2018

Woodstoves - Developer information

Construction Off-road Equipment Mitigation - Assumes SCAQMD Rule 403 control efficiencies

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	46
tblConstructionPhase	NumDays	20.00	15.00
tblConstructionPhase	NumDays	2.00	32.00
tblConstructionPhase	NumDays	4.00	7.00
tblConstructionPhase	NumDays	200.00	240.00
tblConstructionPhase	NumDays	10.00	239.00
tblFireplaces	NumberGas	324.70	0.00
tblFireplaces	NumberNoFireplace	38.20	382.00
tblFireplaces	NumberWood	19.10	0.00
tblGrading	AcresOfGrading	2.63	1.12
tblGrading	MaterialExported	0.00	10,200.00
tblLandUse	LandUseSquareFeet	79,750.00	79,752.00
tblLandUse	LandUseSquareFeet	382,000.00	144,575.00
tblLandUse	LotAcreage	0.39	0.10
tblLandUse	LotAcreage	1.83	0.40
tblLandUse	LotAcreage	6.16	0.60
tblLandUse	LotAcreage	0.07	0.02
tblTripsAndVMT	HaulingTripLength	20.00	50.00
tblTripsAndVMT	HaulingTripLength	20.00	50.00
tblTripsAndVMT	HaulingTripNumber	441.00	10.24
tblTripsAndVMT	HaulingTripNumber	1,275.00	1,020.00
tblTripsAndVMT	WorkerTripNumber	13.00	10.00
tblTripsAndVMT	WorkerTripNumber	8.00	50.00
tblTripsAndVMT	WorkerTripNumber	8.00	70.00
tblTripsAndVMT	WorkerTripNumber	315.00	190.00
tblTripsAndVMT	WorkerTripNumber	63.00	20.00

tblVehicleTrips	HO_TTP	40.60	41.00
tblVehicleTrips	HS_TTP	19.20	19.00
tblVehicleTrips	HW_TTP	40.20	40.00
tblVehicleTrips	ST_TR	4.98	1.84
tblVehicleTrips	ST_TR	42.04	21.35
tblVehicleTrips	SU_TR	3.65	1.84
tblVehicleTrips	WD_TR	4.20	1.84
tblVehicleTrips	WD_TR	11.03	9.41
tblVehicleTrips	WD_TR	44.32	21.35
tblWoodstoves	NumberCatalytic	19.10	0.00
tblWoodstoves	NumberNoncatalytic	19.10	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

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	lb/day										lb/day					
2022	7.6297	85.0348	29.0079	0.2770	11.9988	0.8401	12.7780	4.4779	0.7849	5.2042	0.0000	29,867.6719	29,867.6719	2.2292	0.0000	29,923.4013
2023	7.3931	17.5479	22.3154	0.0597	2.7122	0.6080	3.3203	0.7276	0.5887	1.3163	0.0000	5,839.7744	5,839.7744	0.4942	0.0000	5,852.1291
Maximum	7.6297	85.0348	29.0079	0.2770	11.9988	0.8401	12.7780	4.4779	0.7849	5.2042	0.0000	29,867.6719	29,867.6719	2.2292	0.0000	29,923.4013

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	lb/day										lb/day					
2022	7.6297	85.0348	29.0079	0.2770	6.4167	0.8401	7.1959	2.2672	0.7849	2.9935	0.0000	29,867.6719	29,867.6719	2.2292	0.0000	29,923.4013
2023	7.3931	17.5479	22.3154	0.0597	1.6539	0.6080	2.2619	0.4678	0.5887	1.0565	0.0000	5,839.7744	5,839.7744	0.4942	0.0000	5,852.1291
Maximum	7.6297	85.0348	29.0079	0.2770	6.4167	0.8401	7.1959	2.2672	0.7849	2.9935	0.0000	29,867.6719	29,867.6719	2.2292	0.0000	29,923.4013

	ROG	NOx	CO	SO2	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	45.14	0.00	41.25	47.46	0.00	37.89	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	lb/day										lb/day					
Area	4.5489	0.3635	31.5327	1.6600e-003		0.1745	0.1745		0.1745	0.1745	0.0000	56.7689	56.7689	0.0546	0.0000	58.1345
Energy	0.1094	0.9382	0.4196	5.9700e-003		0.0756	0.0756		0.0756	0.0756		1,193.9178	1,193.9178	0.0229	0.0219	1,201.0127
Mobile	1.4599	6.3764	19.3692	0.0735	6.4829	0.0567	6.5396	1.7349	0.0527	1.7876		7,489.8835	7,489.8835	0.3737		7,499.2266
Total	6.1182	7.6780	51.3216	0.0811	6.4829	0.3068	6.7898	1.7349	0.3029	2.0377	0.0000	8,740.5702	8,740.5702	0.4512	0.0219	8,758.3739

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
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Category	lb/day										lb/day					
Area	4.5489	0.3635	31.5327	1.6600e-003		0.1745	0.1745		0.1745	0.1745	0.0000	56.7689	56.7689	0.0546	0.0000	58.1345
Energy	0.1094	0.9382	0.4196	5.9700e-003		0.0756	0.0756		0.0756	0.0756		1,193.9178	1,193.9178	0.0229	0.0219	1,201.0127
Mobile	1.4599	6.3764	19.3692	0.0735	6.4829	0.0567	6.5396	1.7349	0.0527	1.7876		7,489.8835	7,489.8835	0.3737		7,499.2266
Total	6.1182	7.6780	51.3216	0.0811	6.4829	0.3068	6.7898	1.7349	0.3029	2.0377	0.0000	8,740.5702	8,740.5702	0.4512	0.0219	8,758.3739

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/28/2022	2/17/2022	5	15	
2	Site Preparation	Site Preparation	3/1/2022	4/13/2022	5	32	
3	Grading	Grading	2/18/2022	2/28/2022	5	7	
4	Building Construction	Building Construction	4/14/2022	3/15/2023	5	240	
5	Architectural Coating	Architectural Coating	10/13/2022	9/12/2023	5	239	

Acres of Grading (Site Preparation Phase): 16

Acres of Grading (Grading Phase): 1.12

Acres of Paving: 0.4

Residential Indoor: 292,764; Residential Outdoor: 97,588; Non-Residential Indoor: 30,450; Non-Residential Outdoor: 10,150; Striped Parking Area:

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	8.00	247	0.40

Demolition	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Rubber Tired Dozers	1	7.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Graders	1	6.00	187	0.41
Grading	Rubber Tired Dozers	1	6.00	247	0.40
Grading	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Building Construction	Cranes	1	6.00	231	0.29
Building Construction	Forklifts	1	6.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Welders	3	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
Demolition	5	10.00	0.00	10.24	14.70	6.90	50.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	3	50.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	3	70.00	0.00	1,020.00	14.70	6.90	50.00	LD_Mix	HDT_Mix	HHDT
Building Construction	7	190.00	57.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Replace Ground Cover

Water Exposed Area

Clean Paved Roads

3.2 Demolition - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.3584	0.0000	6.3584	0.9627	0.0000	0.9627			0.0000			0.0000
Off-Road	1.6889	16.6217	13.9605	0.0241		0.8379	0.8379		0.7829	0.7829		2,323.4168	2,323.4168	0.5921		2,338.2191
Total	1.6889	16.6217	13.9605	0.0241	6.3584	0.8379	7.1963	0.9627	0.7829	1.7456		2,323.4168	2,323.4168	0.5921		2,338.2191

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	lb/day										lb/day					
Hauling	0.0131	0.3665	0.1042	1.2900e-003	0.0304	1.2900e-003	0.0317	8.3700e-003	1.2300e-003	9.6000e-003		139.8011	139.8011	8.9000e-003		140.0235
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0448	0.0295	0.3392	1.0400e-003	0.1118	8.7000e-004	0.1127	0.0296	8.1000e-004	0.0305		103.4570	103.4570	2.8500e-003		103.5282
Total	0.0578	0.3960	0.4433	2.3300e-003	0.1421	2.1600e-003	0.1443	0.0380	2.0400e-003	0.0401		243.2580	243.2580	0.0118		243.5517

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	lb/day										lb/day					

Fugitive Dust					2.3558	0.0000	2.3558	0.3567	0.0000	0.3567			0.0000			0.0000
Off-Road	1.6889	16.6217	13.9605	0.0241		0.8379	0.8379		0.7829	0.7829	0.0000	2,323.4168	2,323.4168	0.5921		2,338.2191
Total	1.6889	16.6217	13.9605	0.0241	2.3558	0.8379	3.1937	0.3567	0.7829	1.1396	0.0000	2,323.4168	2,323.4168	0.5921		2,338.2191

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	lb/day										lb/day					
Hauling	0.0131	0.3665	0.1042	1.2900e-003	0.0200	1.2900e-003	0.0213	5.8200e-003	1.2300e-003	7.0500e-003		139.8011	139.8011	8.9000e-003		140.0235
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0448	0.0295	0.3392	1.0400e-003	0.0671	8.7000e-004	0.0680	0.0187	8.1000e-004	0.0195		103.4570	103.4570	2.8500e-003		103.5282
Total	0.0578	0.3960	0.4433	2.3300e-003	0.0871	2.1600e-003	0.0892	0.0245	2.0400e-003	0.0265		243.2580	243.2580	0.0118		243.5517

3.3 Site Preparation - 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	lb/day										lb/day					
Fugitive Dust					5.7996	0.0000	5.7996	2.9537	0.0000	2.9537			0.0000			0.0000
Off-Road	1.3122	14.6277	7.0939	0.0172		0.6225	0.6225		0.5727	0.5727		1,666.1738	1,666.1738	0.5389		1,679.6457
Total	1.3122	14.6277	7.0939	0.0172	5.7996	0.6225	6.4221	2.9537	0.5727	3.5264		1,666.1738	1,666.1738	0.5389		1,679.6457

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	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2239	0.1473	1.6959	5.1900e-003	0.5589	4.3700e-003	0.5633	0.1482	4.0300e-003	0.1523		517.2847	517.2847	0.0142		517.6408
Total	0.2239	0.1473	1.6959	5.1900e-003	0.5589	4.3700e-003	0.5633	0.1482	4.0300e-003	0.1523		517.2847	517.2847	0.0142		517.6408

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	lb/day										lb/day					
Fugitive Dust					2.1487	0.0000	2.1487	1.0944	0.0000	1.0944			0.0000			0.0000
Off-Road	1.3122	14.6277	7.0939	0.0172		0.6225	0.6225		0.5727	0.5727	0.0000	1,666.1738	1,666.1738	0.5389		1,679.6457
Total	1.3122	14.6277	7.0939	0.0172	2.1487	0.6225	2.7713	1.0944	0.5727	1.6671	0.0000	1,666.1738	1,666.1738	0.5389		1,679.6457

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
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Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2239	0.1473	1.6959	5.1900e-003	0.3354	4.3700e-003	0.3398	0.0934	4.0300e-003	0.0974		517.2847	517.2847	0.0142		517.6408
Total	0.2239	0.1473	1.6959	5.1900e-003	0.3354	4.3700e-003	0.3398	0.0934	4.0300e-003	0.0974		517.2847	517.2847	0.0142		517.6408

3.4 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.8510	0.0000	4.8510	2.5260	0.0000	2.5260			0.0000			0.0000
Off-Road	1.0832	12.0046	5.9360	0.0141		0.5173	0.5173		0.4759	0.4759		1,364.8198	1,364.8198	0.4414		1,375.8551
Total	1.0832	12.0046	5.9360	0.0141	4.8510	0.5173	5.3683	2.5260	0.4759	3.0019		1,364.8198	1,364.8198	0.4414		1,375.8551

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	lb/day										lb/day					
Hauling	2.5922	72.8240	20.6977	0.2556	6.3653	0.2558	6.6212	1.7445	0.2448	1.9892		27,778.6535	27,778.6535	1.7678		27,822.8491
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.3135	0.2062	2.3742	7.2700e-003	0.7824	6.1200e-003	0.7886	0.2075	5.6400e-003	0.2132		724.1986	724.1986	0.0199		724.6971

Total	2.9057	73.0302	23.0719	0.2629	7.1478	0.2620	7.4097	1.9520	0.2504	2.2024		28,502.852	28,502.852	1.7878		28,547.546
												1	1			2

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	lb/day										lb/day					
Fugitive Dust					1.7973	0.0000	1.7973	0.9359	0.0000	0.9359			0.0000			0.0000
Off-Road	1.0832	12.0046	5.9360	0.0141		0.5173	0.5173		0.4759	0.4759	0.0000	1,364.8198	1,364.8198	0.4414		1,375.8551
Total	1.0832	12.0046	5.9360	0.0141	1.7973	0.5173	2.3146	0.9359	0.4759	1.4118	0.0000	1,364.8198	1,364.8198	0.4414		1,375.8551

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	lb/day										lb/day					
Hauling	2.5922	72.8240	20.6977	0.2556	4.1499	0.2558	4.4057	1.2007	0.2448	1.4454		27,778.653	27,778.653	1.7678		27,822.849
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.3135	0.2062	2.3742	7.2700e-003	0.4695	6.1200e-003	0.4757	0.1307	5.6400e-003	0.1363		724.1986	724.1986	0.0199		724.6971
Total	2.9057	73.0302	23.0719	0.2629	4.6194	0.2620	4.8814	1.3314	0.2504	1.5818		28,502.852	28,502.852	1.7878		28,547.546
												1	1			2

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	lb/day										lb/day					
Off-Road	1.6487	12.5031	12.7264	0.0221		0.5889	0.5889		0.5689	0.5689		2,001.5429	2,001.5429	0.3486		2,010.2581
Total	1.6487	12.5031	12.7264	0.0221		0.5889	0.5889		0.5689	0.5689		2,001.5429	2,001.5429	0.3486		2,010.2581

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	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1708	5.2485	1.5149	0.0141	0.3649	0.0102	0.3752	0.1051	9.7700e-003	0.1148		1,510.3306	1,510.3306	0.0949		1,512.7036
Worker	0.8509	0.5596	6.4444	0.0197	2.1238	0.0166	2.1404	0.5632	0.0153	0.5785		1,965.6820	1,965.6820	0.0541		1,967.0351
Total	1.0217	5.8082	7.9592	0.0338	2.4887	0.0268	2.5155	0.6683	0.0251	0.6934		3,476.0126	3,476.0126	0.1490		3,479.7387

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	lb/day										lb/day					

Off-Road	1.6487	12.5031	12.7264	0.0221		0.5889	0.5889		0.5689	0.5689	0.0000	2,001.5429	2,001.5429	0.3486		2,010.2581
Total	1.6487	12.5031	12.7264	0.0221		0.5889	0.5889		0.5689	0.5689	0.0000	2,001.5429	2,001.5429	0.3486		2,010.2581

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	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1708	5.2485	1.5149	0.0141	0.2453	0.0102	0.2556	0.0757	9.7700e-003	0.0855		1,510.3306	1,510.3306	0.0949		1,512.7036
Worker	0.8509	0.5596	6.4444	0.0197	1.2744	0.0166	1.2911	0.3548	0.0153	0.3701		1,965.6820	1,965.6820	0.0541		1,967.0351
Total	1.0217	5.8082	7.9592	0.0338	1.5198	0.0268	1.5466	0.4305	0.0251	0.4556		3,476.0126	3,476.0126	0.1490		3,479.7387

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	lb/day										lb/day					
Off-Road	1.5233	11.7104	12.6111	0.0221		0.5145	0.5145		0.4968	0.4968		2,001.7877	2,001.7877	0.3399		2,010.2858
Total	1.5233	11.7104	12.6111	0.0221		0.5145	0.5145		0.4968	0.4968		2,001.7877	2,001.7877	0.3399		2,010.2858

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	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1269	3.9751	1.3461	0.0137	0.3649	4.8500e-003	0.3698	0.1051	4.6400e-003	0.1097		1,463.4255	1,463.4255	0.0836		1,465.5145
Worker	0.8016	0.5062	5.9236	0.0190	2.1238	0.0162	2.1399	0.5632	0.0149	0.5781		1,893.7691	1,893.7691	0.0487		1,894.9875
Total	0.9285	4.4813	7.2697	0.0327	2.4887	0.0210	2.5097	0.6683	0.0195	0.6878		3,357.1946	3,357.1946	0.1323		3,360.5020

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	lb/day										lb/day					
Off-Road	1.5233	11.7104	12.6111	0.0221		0.5145	0.5145		0.4968	0.4968	0.0000	2,001.7877	2,001.7877	0.3399		2,010.2858
Total	1.5233	11.7104	12.6111	0.0221		0.5145	0.5145		0.4968	0.4968	0.0000	2,001.7877	2,001.7877	0.3399		2,010.2858

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
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Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1269	3.9751	1.3461	0.0137	0.2453	4.8500e-003	0.2502	0.0757	4.6400e-003	0.0804		1,463.4255	1,463.4255	0.0836		1,465.5145
Worker	0.8016	0.5062	5.9236	0.0190	1.2744	0.0162	1.2906	0.3548	0.0149	0.3696		1,893.7691	1,893.7691	0.0487		1,894.9875
Total	0.9285	4.4813	7.2697	0.0327	1.5198	0.0210	1.5408	0.4305	0.0195	0.4500		3,357.1946	3,357.1946	0.1323		3,360.5020

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	lb/day										lb/day					
Archit. Coating	4.6653					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
Total	4.8698	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062

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	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0896	0.0589	0.6784	2.0800e-003	0.2236	1.7500e-003	0.2253	0.0593	1.6100e-003	0.0609		206.9139	206.9139	5.7000e-003		207.0563

Total	0.0896	0.0589	0.6784	2.0800e-003	0.2236	1.7500e-003	0.2253	0.0593	1.6100e-003	0.0609		206.9139	206.9139	5.7000e-003		207.0563
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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	lb/day										lb/day					
Archit. Coating	4.6653					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062
Total	4.8698	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062

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	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0896	0.0589	0.6784	2.0800e-003	0.1342	1.7500e-003	0.1359	0.0373	1.6100e-003	0.0390		206.9139	206.9139	5.7000e-003		207.0563
Total	0.0896	0.0589	0.6784	2.0800e-003	0.1342	1.7500e-003	0.1359	0.0373	1.6100e-003	0.0390		206.9139	206.9139	5.7000e-003		207.0563

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	lb/day										lb/day					
Archit. Coating	4.6653					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690
Total	4.8569	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690

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	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0844	0.0533	0.6235	2.0000e-003	0.2236	1.7000e-003	0.2253	0.0593	1.5700e-003	0.0609		199.3441	199.3441	5.1300e-003		199.4724
Total	0.0844	0.0533	0.6235	2.0000e-003	0.2236	1.7000e-003	0.2253	0.0593	1.5700e-003	0.0609		199.3441	199.3441	5.1300e-003		199.4724

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	lb/day										lb/day					

Archit. Coating	4.6653					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690
Total	4.8569	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690

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	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0844	0.0533	0.6235	2.0000e-003	0.1342	1.7000e-003	0.1359	0.0373	1.5700e-003	0.0389		199.3441	199.3441	5.1300e-003		199.4724
Total	0.0844	0.0533	0.6235	2.0000e-003	0.1342	1.7000e-003	0.1359	0.0373	1.5700e-003	0.0389		199.3441	199.3441	5.1300e-003		199.4724

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	lb/day										lb/day					
Mitigated	1.4599	6.3764	19.3692	0.0735	6.4829	0.0567	6.5396	1.7349	0.0527	1.7876		7,489.8835	7,489.8835	0.3737		7,499.2266

Unmitigated	1.4599	6.3764	19.3692	0.0735	6.4829	0.0567	6.5396	1.7349	0.0527	1.7876		7,489.8835	7,489.8835	0.3737		7,499.2266
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4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments High Rise	702.88	702.88	702.88	2,400,395	2,400,395
Enclosed Parking with Elevator	0.00	0.00	0.00		
General Office Building	160.91	42.07	17.96	397,885	397,885
Strip Mall	68.32	68.32	65.38	129,185	129,185
Total	932.11	813.27	786.21	2,927,465	2,927,465

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments High Rise	14.70	5.90	8.70	40.00	19.00	41.00	86	11	3
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Strip Mall	16.60	8.40	6.90	16.60	64.40	19.00	45	40	15

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments High Rise	0.545842	0.044768	0.205288	0.119317	0.015350	0.006227	0.020460	0.031333	0.002546	0.002133	0.005184	0.000692	0.000862
Enclosed Parking with Elevator	0.545842	0.044768	0.205288	0.119317	0.015350	0.006227	0.020460	0.031333	0.002546	0.002133	0.005184	0.000692	0.000862
General Office Building	0.545842	0.044768	0.205288	0.119317	0.015350	0.006227	0.020460	0.031333	0.002546	0.002133	0.005184	0.000692	0.000862
Strip Mall	0.545842	0.044768	0.205288	0.119317	0.015350	0.006227	0.020460	0.031333	0.002546	0.002133	0.005184	0.000692	0.000862

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Natural Gas Mitigated	0.1094	0.9382	0.4196	5.9700e-003		0.0756	0.0756		0.0756	0.0756		1,193.9178	1,193.9178	0.0229	0.0219	1,201.0127
Natural Gas Unmitigated	0.1094	0.9382	0.4196	5.9700e-003		0.0756	0.0756		0.0756	0.0756		1,193.9178	1,193.9178	0.0229	0.0219	1,201.0127

5.2 Energy by Land Use - Natural Gas

Unmitigated

	Natural Gas 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	lb/day										lb/day					
Apartments High Rise	9646.22	0.1040	0.8890	0.3783	5.6700e-003		0.0719	0.0719		0.0719	0.0719		1,134.8497	1,134.8497	0.0218	0.0208	1,141.5935
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	487.701	5.2600e-003	0.0478	0.0402	2.9000e-004		3.6300e-003	3.6300e-003		3.6300e-003	3.6300e-003		57.3766	57.3766	1.1000e-003	1.0500e-003	57.7176
Strip Mall	14.3781	1.6000e-004	1.4100e-003	1.1800e-003	1.0000e-005		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004		1.6915	1.6915	3.0000e-005	3.0000e-005	1.7016
Total		0.1095	0.9382	0.4196	5.9700e-003		0.0756	0.0756		0.0756	0.0756		1,193.9178	1,193.9178	0.0229	0.0219	1,201.0127

Mitigated

	Natural Gas 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
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Land Use	kBTU/yr	lb/day										lb/day					
Apartments High Rise	9.64622	0.1040	0.8890	0.3783	5.6700e-003		0.0719	0.0719		0.0719	0.0719		1,134.8497	1,134.8497	0.0218	0.0208	1,141.5935
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	0.487701	5.2600e-003	0.0478	0.0402	2.9000e-004		3.6300e-003	3.6300e-003		3.6300e-003	3.6300e-003		57.3766	57.3766	1.1000e-003	1.0500e-003	57.7176
Strip Mall	0.0143781	1.6000e-004	1.4100e-003	1.1800e-003	1.0000e-005		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004		1.6915	1.6915	3.0000e-005	3.0000e-005	1.7016
Total		0.1095	0.9382	0.4196	5.9700e-003		0.0756	0.0756		0.0756	0.0756		1,193.9178	1,193.9178	0.0229	0.0219	1,201.0127

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	4.5489	0.3635	31.5327	1.6600e-003		0.1745	0.1745		0.1745	0.1745	0.0000	56.7689	56.7689	0.0546	0.0000	58.1345
Unmitigated	4.5489	0.3635	31.5327	1.6600e-003		0.1745	0.1745		0.1745	0.1745	0.0000	56.7689	56.7689	0.0546	0.0000	58.1345

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
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SubCategory	lb/day										lb/day					
Architectural Coating	0.3055					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.2928					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.9506	0.3635	31.5327	1.6600e-003		0.1745	0.1745		0.1745	0.1745		56.7689	56.7689	0.0546		58.1345
Total	4.5489	0.3635	31.5327	1.6600e-003		0.1745	0.1745		0.1745	0.1745	0.0000	56.7689	56.7689	0.0546	0.0000	58.1345

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	lb/day										lb/day					
Architectural Coating	0.3055					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.2928					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.9506	0.3635	31.5327	1.6600e-003		0.1745	0.1745		0.1745	0.1745		56.7689	56.7689	0.0546		58.1345
Total	4.5489	0.3635	31.5327	1.6600e-003		0.1745	0.1745		0.1745	0.1745	0.0000	56.7689	56.7689	0.0546	0.0000	58.1345

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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11.0 Vegetation

Weingart Projects

GHG Emissions Impact Compared to "No Action Taken" Scenario

Source	NAT (2023)	As Proposed (2023)	Reduction from NAT	Change from NAT
Area	13	13	-	0%
Energy	4,735	2,746	(1,989)	-42%
Mobile	3,727	2,616	(1,110)	-30%
Waste	200	200	-	0%
Water	723	723	-	0%
Construction	74	74	-	0%
Total Emissions	9,471	6,372	(3,099)	-32.7%

Land Use	NAT	As Proposed	Difference
Land Use	764 DU, office, retail	764 DU, office, retail	None
Traffic	2,038 net ADT	2,038 net ADT	None
Area	Same as proposed	Project assumptions	None
Energy	No State measures	See below	State measures
Mobile	No State measures	See below	State measures
Waste	Reduce construction w	Reduce construction w	None
Water	Project assumptions	Project assumptions	None

Mobile source emission: Pavley emission standards (19.8% reduction)

Low carbon fuel standard (7.2% reduction)

Vehicle efficiency measures (2.8% reduction)

Energy Production Assu Natural gas transmission and distribution efficiency measures (7.4% reduction)

Natural gas extraction efficiency measures (1.6% reduction)

Renewables (electricity) portfolio standard (33% reduction)