

Appendix C

Air Quality/Greenhouse Gas Worksheets

Primary Greenhouse Gases (GHGs) of concern

Carbon Dioxide. The global carbon cycle is made up of large carbon flows and reservoirs. Billions of tons of carbon in the form of CO₂ are absorbed by oceans and living biomass (i.e., sinks) and are emitted to the atmosphere annually through natural processes (i.e., sources). When in equilibrium, carbon fluxes among these various reservoirs are roughly balanced (United States Environmental Protection Agency [U.S. EPA], 2014). CO₂ was the first GHG demonstrated to be increasing in atmospheric concentration, with the first conclusive measurements being made in the second half of the 20th century. Concentrations of CO₂ in the atmosphere have risen approximately 40 percent since the industrial revolution. The global atmospheric concentration of CO₂ has increased from a pre-industrial value of about 280 parts per million (ppm) to 391 ppm in 2011 (IPCC, 2007; Oceanic and Atmospheric Administration [NOAA], 2010). The average annual CO₂ concentration growth rate was larger between 1995 and 2005 (average: 1.9 ppm per year) than it has been since the beginning of continuous direct atmospheric measurements (1960–2005 average: 1.4 ppm per year), although there is year-to-year variability in growth rates (NOAA, 2010). Currently, CO₂ represents an estimated 74 percent of total GHG emissions (IPCC, 2007). The largest source of CO₂ emissions, and of overall GHG emissions, is fossil fuel combustion.

Methane. Methane (CH₄) is an effective absorber of radiation, though its atmospheric concentration is less than that of CO₂ and its lifetime in the atmosphere is limited to 10 to 12 years. It has a GWP approximately 25 times that of CO₂. Over the last 250 years, the concentration of CH₄ in the atmosphere has increased by 148 percent (IPCC, 2007), although emissions have declined from 1990 levels. Anthropogenic sources of CH₄ include enteric fermentation associated with domestic livestock, landfills, natural gas and petroleum systems, agricultural activities, coal mining, wastewater treatment, stationary and mobile combustion, and certain industrial processes (U.S. EPA, 2014).

Nitrous Oxide. Concentrations of nitrous oxide (N₂O) began to rise at the beginning of the industrial revolution and continue to increase at a relatively uniform growth rate (NOAA, 2010). N₂O is produced by microbial processes in soil and water, including those reactions that occur in fertilizers that contain nitrogen, fossil fuel combustion, and other chemical processes. Use of these fertilizers has increased over the last century. Agricultural soil management and mobile source fossil fuel combustion are the major sources of N₂O emissions. The GWP of nitrous oxide is approximately 298 times that of CO₂ (IPCC, 2007).

Fluorinated Gases (HFCS, PFCS and SF₆). Fluorinated gases, such as hydrofluorocarbons (HFCs), perfluorocarbons (PFCs), and sulfurhexafluoride (SF₆), are powerful GHGs that are emitted from a variety of industrial processes. Fluorinated gases are used as substitutes for ozone-depleting substances such as chlorofluorocarbons (CFCs), hydrochlorofluorocarbons (HCFCs), and halons, which have been regulated since the mid-1980s because of their ozone-destroying potential and are phased out under the Montreal Protocol (1987) and Clean Air Act Amendments of 1990. Electrical transmission and distribution systems account for most SF₆ emissions, while PFC emissions result from semiconductor manufacturing and as a by-product of primary aluminum production. Fluorinated gases are typically emitted in smaller quantities than CO₂, CH₄, and N₂O, but these compounds have much higher GWPs. SF₆ is the most potent GHG the IPCC has evaluated.

Potential Effects of Climate Change

Globally, climate change has the potential to affect numerous environmental resources through potential impacts related to future air temperatures and precipitation patterns. Scientific modeling predicts that continued GHG emissions at or above current rates would induce more extreme climate changes during the 21st century than were observed during the 20th century. Long-term trends have found that each of the past three decades has been warmer than all the previous decades in the instrumental record, and the decade from 2000 through 2010 has been the warmest. The global combined land and ocean temperature data show an increase of about 0.89°C (0.69°C–1.08°C) over the period 1901–2012 and about 0.72°C (0.49°C–0.89°C) over the period 1951–2012 when described by a linear trend. Several independently analyzed data records of global and regional Land-Surface Air Temperature (LSAT) obtained from station observations are in agreement that LSAT as well as sea surface temperatures have increased. In addition to these findings, there are identifiable signs that global warming is currently taking place, including substantial ice loss in the Arctic over the past two decades (IPCC, 2014).

According to the CalEPA's 2010 *Climate Action Team Biennial Report*, potential impacts of climate change in California may include loss in snow pack, sea level rise, more extreme heat days per year, more high ozone days, more large forest fires, and more drought years (CalEPA, 2010). Below is a summary of some of the potential effects that could be experienced in California as a result of climate change.

Air Quality. Higher temperatures, which are conducive to air pollution formation, could worsen air quality in California. Climate change may increase the concentration of ground-level ozone, but the magnitude of the effect, and therefore its indirect effects, are uncertain. If higher temperatures are accompanied by drier conditions, the potential for large wildfires could increase, which, in turn, would further worsen air quality. However, if higher temperatures are accompanied by wetter, rather than drier conditions, the rains would tend to temporarily clear the air of particulate pollution and reduce the incidence of large wildfires, thereby ameliorating the pollution associated with wildfires. Additionally, severe heat accompanied by drier conditions and poor air quality could increase the number of heat-related deaths, illnesses, and asthma attacks throughout the state (California Energy Commission [CEC], 2009).

Water Supply. Analysis of paleoclimatic data (such as tree-ring reconstructions of stream flow and precipitation) indicates a history of naturally and widely varying hydrologic conditions in California and the west, including a pattern of recurring and extended droughts. Uncertainty remains with respect to the overall impact of climate change on future water supplies in California. However, the average early spring snowpack in the Sierra Nevada decreased by about 10 percent during the last century, a loss of 1.5 million acre-feet of snowpack storage. During the same period, sea level rose eight inches along California's coast. California's temperature has risen 1°F, mostly at night and during the winter, with higher elevations experiencing the highest increase. Many Southern California cities have experienced their lowest recorded annual precipitation twice within the past decade. In a span of only two years, Los Angeles experienced both its driest and wettest years on record (California Department of Water Resources [DWR], 2008; CCCC, 2009).

This uncertainty complicates the analysis of future water demand, especially where the relationship between climate change and its potential effect on water demand is not well

understood. The Sierra snowpack provides the majority of California's water supply by accumulating snow during the state's wet winters and releasing it slowly during the state's dry springs and summers. Based upon historical data and modeling DWR projects that the Sierra snowpack will experience a 25 to 40 percent reduction from its historic average by 2050. Climate change is also anticipated to bring warmer storms that result in less snowfall at lower elevations, reducing the total snowpack (DWR, 2008).

Hydrology and Sea Level Rise. As discussed above, climate change could potentially affect: the amount of snowfall, rainfall, and snow pack; the intensity and frequency of storms; flood hydrographs (flash floods, rain or snow events, coincidental high tide and high runoff events); sea level rise and coastal flooding; coastal erosion; and the potential for salt water intrusion. According to *The Impacts of Sea-Level Rise on the California Coast*, prepared by the California Climate Change Center (CCCC) (CCCC, 2009), climate change has the potential to induce substantial sea level rise in the coming century. The rising sea level increases the likelihood and risk of flooding. The rate of increase of global mean sea levels over the 2001-2010 decade, as observed by satellites, ocean buoys and land gauges, was approximately 3.2 mm per year, which is double the observed 20th century trend of 1.6 mm per year (World Meteorological Organization [WMO], 2013). As a result, sea levels averaged over the last decade were about 8 inches higher than those of 1880 (WMO, 2013). Sea levels are rising faster now than in the previous two millennia, and the rise is expected to accelerate, even with robust GHG emission control measures. The most recent IPCC report (2013) predicts a mean sea-level rise of 11-38 inches by 2100. This prediction is more than 50 percent higher than earlier projections of 7-23 inches, when comparing the same emissions scenarios and time periods. A rise in sea levels could result in coastal flooding and erosion and could jeopardize California's water supply due to salt water intrusion. *In addition*, increased CO₂ emissions can cause oceans to acidify due to the carbonic acid it forms. Increased storm intensity and frequency could affect the ability of flood-control facilities, including levees, to handle storm events.

Agriculture. California has a \$30 billion annual agricultural industry that produces half of the country's fruits and vegetables. Higher CO₂ levels can stimulate plant production and increase plant water-use efficiency. However, if temperatures rise and drier conditions prevail, water demand could increase; crop-yield could be threatened by a less reliable water supply; and greater air pollution could render plants more susceptible to pest and disease outbreaks. In addition, temperature increases could change the time of year certain crops, such as wine grapes, bloom or ripen, and thereby affect their quality (CCCC, 2006).

Ecosystems and Wildlife. Climate change and the potential resulting changes in weather patterns could have ecological effects on a global and local scale. Increasing concentrations of GHGs are likely to accelerate the rate of climate change. Scientists project that the average global surface temperature could rise by 1.0-4.5°F (0.6-2.5°C) in the next 50 years, and 2.2-10°F (1.4-5.8°C) in the next century, with substantial regional variation. Soil moisture is likely to decline in many regions, and intense rainstorms are likely to become more frequent. Rising temperatures could have four major impacts on plants and animals: (1) timing of ecological events; (2) geographic range; (3) species' composition within communities; and (4) ecosystem processes, such as carbon cycling and storage (Parmesan, 2006).

International and Federal Climate Change Regulations

International Regulations. The United States is, and has been, a participant in the United Nations Framework Convention on Climate Change (UNFCCC) since it was produced in 1992. The UNFCCC is an international environmental treaty with the objective of, “stabilization of GHG concentrations in the atmosphere at a level that would prevent dangerous anthropogenic interference with the climate system.” This is generally understood to be achieved by stabilizing global GHG concentrations between 350 and 400 ppm, in order to limit the global average temperature increases between 2 and 2.4°C above pre-industrial levels (IPCC, 2007). The UNFCCC itself does not set limits on GHG emissions for individual countries or enforcement mechanisms. Instead, the treaty provides for updates, called “protocols,” that would identify mandatory emissions limits.

Five years later, the UNFCCC brought nations together again to draft the *Kyoto Protocol* (1997). The Kyoto Protocol established commitments for industrialized nations to reduce their collective emissions of six GHGs (CO₂, CH₄, N₂O, SF₆, HFCs, and PFCs) to 5.2 percent below 1990 levels by 2012. The United States is a signatory of the Kyoto Protocol, but Congress has not ratified it and the United States has not bound itself to the Protocol’s commitments (UNFCCC, 2007). The first commitment period of the Kyoto Protocol ended in 2012. Governments, including 38 industrialized countries, agreed to a second commitment period of the Kyoto Protocol beginning January 1, 2013 and ending either on December 31, 2017 or December 31, 2020, to be decided by the Ad Hoc Working Group on Further Commitments for Annex I Parties under the Kyoto Protocol at its seventeenth session (UNFCCC, 2011).

In Durban (17th session of the Conference of the Parties in Durban, South Africa, 2011), governments decided to adopt a universal legal agreement on climate change. Work began on that task immediately under a new group called the Ad Hoc Working Group on the Durban Platform for Enhanced Action. Progress was also made regarding the creation of a Green Climate Fund (GCF) for which a management framework was adopted (UNFCCC, 2011; United Nations, 2011).

In December 2015, the 21st session of the Conference of the Parties (COP21) adopted the Paris Agreement. The deal requires all countries that ratify it to commit to cutting greenhouse gas emissions, with the goal of peaking greenhouse gas emissions “as soon as possible” (Worland, 2015). The agreement includes commitments to (1) achieve a balance between sources and sinks of greenhouse gases in the second half of this century; (2) to keep global temperature increase “well below” 2 degrees Celsius (C) or 3.6 degrees Fahrenheit (F) and to pursue efforts to limit it to 1.5 C; (3) to review progress every five years; and (4) to spend \$100 billion a year in climate finance for developing countries by 2020 (UNFCCC, 2015). The agreement includes both legally binding measures, like reporting requirements, as well as voluntary or non-binding measures while, such as the setting of emissions targets for any individual country (Worland, 2015).

Federal Regulations. The United States Supreme Court in *Massachusetts et al. v. Environmental Protection Agency et al.* ([2007] 549 U.S. 05-1120) held that the U.S. EPA has the authority to regulate motor-vehicle GHG emissions under the federal Clean Air Act.

The U.S. EPA issued a Final Rule for mandatory reporting of GHG emissions in October 2009. This Final Rule applies to fossil fuel suppliers, industrial gas suppliers, direct GHG emitters,

and manufacturers of heavy-duty and off-road vehicles and vehicle engines, and requires annual reporting of emissions. The first annual reports for these sources were due in March 2011.

On May 13, 2010, the U.S. EPA issued a Final Rule that took effect on January 2, 2011, setting a threshold of 75,000 tons CO₂e per year for GHG emissions. New and existing industrial facilities that meet or exceed that threshold will require a permit after that date. On November 10, 2010, the U.S. EPA published the "PSD and Title V Permitting Guidance for Greenhouse Gases." The U.S. EPA's guidance document is directed at state agencies responsible for air pollution permits under the Federal Clean Air Act to help them understand how to implement GHG reduction requirements while mitigating costs for industry. It is expected that most states will use the U.S. EPA's new guidelines when processing new air pollution permits for power plants, oil refineries, cement manufacturing, and other large pollution point sources.

On January 2, 2011, the U.S. EPA implemented the first phase of the Tailoring Rule for GHG emissions Title V Permitting. Under the first phase of the Tailoring Rule, all new sources of emissions are subject to GHG Title V permitting if they are otherwise subject to Title V for another air pollutant and they emit at least 75,000 tons CO₂e per year. Under Phase 1, no sources were required to obtain a Title V permit solely due to GHG emissions. Phase 2 of the Tailoring Rule went into effect July 1, 2011. At that time new sources were subject to GHG Title V permitting if the source emits 100,000 tons CO₂e per year, or they are otherwise subject to Title V permitting for another pollutant and emit at least 75,000 tons CO₂e per year.

On July 3, 2012, the U.S. EPA issued the final rule that retains the GHG permitting thresholds that were established in Phases 1 and 2 of the GHG Tailoring Rule. These emission thresholds determine when Clean Air Act permits under the New Source Review Prevention of Significant Deterioration (PSD) and Title V Operating Permit programs are required for new and existing industrial facilities.

Skechers Hermosa Beach Component 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	100.30	1000sqft	1.44	100,300.00	0
General Office Building	19.21	1000sqft	0.36	19,210.00	0
Enclosed Parking with Elevator	520.00	Space	0.00	208,000.00	0
Enclosed Parking with Elevator	89.00	Space	0.00	35,600.00	0
Fast Food Restaurant w/o Drive Thru	1.00	1000sqft	0.00	1,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	8			Operational Year	2020
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	630.89	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - From site plan and traffic study. Underground pedestrian tunnel (approx 0.004 ac included)

Construction Phase - DC = Design Center and EO = Executive Office construction. From applicant provided construction schedule.

Trips and VMT -

Demolition - Estimated from Google earth

Grading - From PD. 132,000 CY total export

Architectural Coating - Assumed compliance with amended SCAQMD Rule 1113.

Vehicle Trips - Trip generations based on Traffic Study LIG 2016. 15.2 miles from Traffic Study Table F

Area Coating - Assumed compliance with SCAQMD Rule 1113.

Construction Off-road Equipment Mitigation - Assumed compliance with SCAQMD Rule 403

Mobile Land Use Mitigation - Trip generation rates used account for trip reductions from LIG Traffic Study (2016)

Mobile Commute Mitigation - Trip generation rates used account for trip reductions from LIG Traffic Study (2016)

Area Mitigation - Assumed compliance with SCAQMD Rule 1113.

Water Mitigation - PD includes greywater for outdoor use

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	50
tblAreaMitigation	UseLowVOCPaintNonresidentialInteriorValue	250	50
tblConstructionPhase	NumDays	10.00	266.00
tblConstructionPhase	NumDays	10.00	179.00
tblConstructionPhase	NumDays	200.00	239.00
tblConstructionPhase	NumDays	200.00	268.00
tblConstructionPhase	NumDays	20.00	15.00
tblConstructionPhase	NumDays	20.00	15.00

tblConstructionPhase	NumDays	4.00	90.00
tblConstructionPhase	NumDays	4.00	135.00
tblConstructionPhase	NumDays	10.00	61.00
tblConstructionPhase	NumDays	10.00	60.00
tblConstructionPhase	PhaseEndDate	4/17/2020	9/11/2019
tblConstructionPhase	PhaseEndDate	5/19/2020	6/14/2019
tblConstructionPhase	PhaseEndDate	3/28/2019	1/17/2019
tblConstructionPhase	PhaseEndDate	1/28/2020	4/11/2019
tblConstructionPhase	PhaseEndDate	11/3/2017	10/20/2017
tblConstructionPhase	PhaseEndDate	2/23/2018	2/16/2018
tblConstructionPhase	PhaseEndDate	8/24/2018	4/27/2018
tblConstructionPhase	PhaseEndDate	9/6/2019	3/28/2019
tblConstructionPhase	PhaseStartDate	4/12/2019	9/5/2018
tblConstructionPhase	PhaseStartDate	9/12/2019	10/9/2018
tblConstructionPhase	PhaseStartDate	4/28/2018	2/19/2018
tblConstructionPhase	PhaseStartDate	1/18/2019	4/3/2018
tblConstructionPhase	PhaseStartDate	10/14/2017	10/2/2017
tblConstructionPhase	PhaseStartDate	10/21/2017	10/16/2017
tblConstructionPhase	PhaseStartDate	2/17/2018	10/23/2017
tblConstructionPhase	PhaseStartDate	6/15/2019	1/4/2019
tblGrading	MaterialExported	0.00	105,500.00
tblGrading	MaterialExported	0.00	26,500.00
tblLandUse	LotAcreage	2.30	1.44
tblLandUse	LotAcreage	0.44	0.36
tblLandUse	LotAcreage	4.68	0.00
tblLandUse	LotAcreage	0.80	0.00
tblLandUse	LotAcreage	0.02	0.00
tblProjectCharacteristics	OperationalYear	2014	2020

tblVehicleTrips	CW_TL	16.60	15.20
tblVehicleTrips	CW_TL	16.60	15.20
tblVehicleTrips	CW_TL	16.60	15.20
tblVehicleTrips	WD_TR	716.00	204.46
tblVehicleTrips	WD_TR	11.01	7.98

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					
2017	7.3533	86.8778	68.9928	0.1577	14.9263	3.2708	17.7103	6.3760	3.0582	8.9372	0.0000	15,694.6588	15,694.6588	1.2712	0.0000	15,721.3544
2018	23.7494	77.0560	74.2685	0.1576	16.3776	3.2856	18.8657	6.7323	3.1193	9.0212	0.0000	15,432.5479	15,432.5479	1.4519	0.0000	15,463.0383
2019	23.8312	54.4396	69.5716	0.1371	4.6723	2.7630	7.4353	1.2536	2.6477	3.9013	0.0000	11,997.1653	11,997.1653	1.4299	0.0000	12,027.1920
Total	54.9339	218.3734	212.8330	0.4524	35.9762	9.3195	44.0113	14.3619	8.8252	21.8597	0.0000	43,124.3720	43,124.3720	4.1530	0.0000	43,211.5847

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					
2017	7.3533	86.8778	68.9928	0.1577	9.4355	3.2708	12.2195	3.5849	3.0582	6.1462	0.0000	15,694.6588	15,694.6588	1.2712	0.0000	15,721.3544
2018	23.7494	77.0560	74.2685	0.1576	10.8868	3.2856	13.3748	3.9412	3.1193	6.2302	0.0000	15,432.5479	15,432.5479	1.4519	0.0000	15,463.0383
2019	23.8312	54.4396	69.5716	0.1371	4.6723	2.7630	7.4353	1.2536	2.6477	3.9013	0.0000	11,997.1653	11,997.1653	1.4299	0.0000	12,027.1920
Total	54.9339	218.3734	212.8330	0.4524	24.9946	9.3195	33.0296	8.7797	8.8252	16.2776	0.0000	43,124.3720	43,124.3720	4.1530	0.0000	43,211.5847

	ROG	NOx	CO	SO2	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	30.52	0.00	24.95	38.87	0.00	25.54	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	9.0659	6.9000e-004	0.0750	1.0000e-005		2.7000e-004	2.7000e-004		2.7000e-004	2.7000e-004		0.1597	0.1597	4.3000e-004		0.1687
Energy	0.0417	0.3786	0.3180	2.2700e-003		0.0288	0.0288		0.0288	0.0288		454.3210	454.3210	8.7100e-003	8.3300e-003	457.0859
Mobile	4.7257	11.6095	47.4424	0.1311	8.9190	0.1864	9.1054	2.3852	0.1719	2.5572		10,188.0068	10,188.0068	0.3892		10,196.1806
Total	13.8333	11.9888	47.8354	0.1334	8.9190	0.2154	9.1345	2.3852	0.2010	2.5862		10,642.4875	10,642.4875	0.3984	8.3300e-003	10,653.4352

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	7.6788	6.9000e-004	0.0750	1.0000e-005		2.7000e-004	2.7000e-004		2.7000e-004	2.7000e-004		0.1597	0.1597	4.3000e-004		0.1687
Energy	0.0417	0.3786	0.3180	2.2700e-003		0.0288	0.0288		0.0288	0.0288		454.3210	454.3210	8.7100e-003	8.3300e-003	457.0859
Mobile	4.7257	11.6095	47.4424	0.1311	8.9190	0.1864	9.1054	2.3852	0.1719	2.5572		10,188.0068	10,188.0068	0.3892		10,196.1806
Total	12.4461	11.9888	47.8354	0.1334	8.9190	0.2154	9.1345	2.3852	0.2010	2.5862		10,642.4875	10,642.4875	0.3984	8.3300e-003	10,653.4352

	ROG	NOx	CO	SO2	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	10.03	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 DC	Demolition	9/25/2017	10/13/2017	5	15	
2	Demolition EO	Demolition	10/2/2017	10/20/2017	5	15	
3	Grading DC	Grading	10/16/2017	2/16/2018	5	90	
4	Grading EO	Grading	10/23/2017	4/27/2018	5	135	
5	Building Construction DC	Building Construction	2/19/2018	1/17/2019	5	239	
6	Construction EO	Building Construction	4/3/2018	4/11/2019	5	268	
7	Architectural Coating EO	Architectural Coating	9/5/2018	9/11/2019	5	266	
8	Architectural Coating DC	Architectural Coating	10/9/2018	6/14/2019	5	179	
9	Paving DC	Paving	1/4/2019	3/28/2019	5	60	
10	Paving EO	Paving	3/29/2019	6/21/2019	5	61	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 546,165; Non-Residential Outdoor: 182,055 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition DC	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition DC	Rubber Tired Dozers	1	8.00	255	0.40
Demolition DC	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Demolition EO	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition EO	Rubber Tired Dozers	1	8.00	255	0.40
Demolition EO	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Grading DC	Graders	1	6.00	174	0.41
Grading DC	Rubber Tired Dozers	1	6.00	255	0.40
Grading DC	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Grading EO	Graders	1	6.00	174	0.41
Grading EO	Rubber Tired Dozers	1	6.00	255	0.40
Grading EO	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Building Construction DC	Cranes	1	6.00	226	0.29
Building Construction DC	Forklifts	1	6.00	89	0.20
Building Construction DC	Generator Sets	1	8.00	84	0.74
Building Construction DC	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction DC	Welders	3	8.00	46	0.45
Construction EO	Cranes	1	6.00	226	0.29
Construction EO	Forklifts	1	6.00	89	0.20
Construction EO	Generator Sets	1	8.00	84	0.74
Construction EO	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Construction EO	Welders	3	8.00	46	0.45
Architectural Coating EO	Air Compressors	1	6.00	78	0.48
Architectural Coating DC	Air Compressors	1	6.00	78	0.48
Paving DC	Cement and Mortar Mixers	1	6.00	9	0.56
Paving DC	Pavers	1	6.00	125	0.42
Paving DC	Paving Equipment	1	8.00	130	0.36

Paving DC	Rollers	1	7.00	80	0.38
Paving DC	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Paving EO	Cement and Mortar Mixers	1	6.00	9	0.56
Paving EO	Pavers	1	6.00	125	0.42
Paving EO	Paving Equipment	1	8.00	130	0.36
Paving EO	Rollers	1	7.00	80	0.38
Paving EO	Tractors/Loaders/Backhoes	1	8.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition DC	5	13.00	0.00	145.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Demolition EO	5	13.00	0.00	75.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading DC	3	8.00	0.00	13,188.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading EO	3	8.00	0.00	3,313.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction DC	7	141.00	60.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction EO	7	141.00	60.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating EO	1	28.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating DC	1	28.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving DC	5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving EO	5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition DC - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.0934	0.0000	2.0934	0.3170	0.0000	0.3170			0.0000			0.0000
Off-Road	2.7216	26.5855	20.8712	0.0245		1.6062	1.6062		1.5022	1.5022		2,457.4682	2,457.4682	0.6235		2,470.5620
Total	2.7216	26.5855	20.8712	0.0245	2.0934	1.6062	3.6996	0.3170	1.5022	1.8192		2,457.4682	2,457.4682	0.6235		2,470.5620

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	0.1697	2.5763	2.1504	7.2000e-003	0.1684	0.0367	0.2051	0.0461	0.0338	0.0799		714.0989	714.0989	5.3500e-003		714.2111
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	0.0540	0.0731	0.7641	1.7800e-003	0.1453	1.3200e-003	0.1466	0.0385	1.2100e-003	0.0398		145.1496	145.1496	8.0400e-003		145.3184
Total	0.2237	2.6494	2.9145	8.9800e-003	0.3137	0.0381	0.3517	0.0846	0.0350	0.1197		859.2485	859.2485	0.0134		859.5295

3.2 Demolition DC - 2017

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.9420	0.0000	0.9420	0.1426	0.0000	0.1426			0.0000			0.0000
Off-Road	2.7216	26.5855	20.8712	0.0245		1.6062	1.6062		1.5022	1.5022	0.0000	2,457.468 2	2,457.468 2	0.6235		2,470.562 0
Total	2.7216	26.5855	20.8712	0.0245	0.9420	1.6062	2.5482	0.1426	1.5022	1.6449	0.0000	2,457.468 2	2,457.468 2	0.6235		2,470.562 0

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	0.1697	2.5763	2.1504	7.2000e-003	0.1684	0.0367	0.2051	0.0461	0.0338	0.0799		714.0989	714.0989	5.3500e-003		714.2111
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	0.0540	0.0731	0.7641	1.7800e-003	0.1453	1.3200e-003	0.1466	0.0385	1.2100e-003	0.0398		145.1496	145.1496	8.0400e-003		145.3184
Total	0.2237	2.6494	2.9145	8.9800e-003	0.3137	0.0381	0.3517	0.0846	0.0350	0.1197		859.2485	859.2485	0.0134		859.5295

3.3 Demolition EO - 2017**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.0828	0.0000	1.0828	0.1639	0.0000	0.1639			0.0000			0.0000
Off-Road	2.7216	26.5855	20.8712	0.0245		1.6062	1.6062		1.5022	1.5022		2,457.468 2	2,457.468 2	0.6235		2,470.562 0
Total	2.7216	26.5855	20.8712	0.0245	1.0828	1.6062	2.6890	0.1639	1.5022	1.6662		2,457.468 2	2,457.468 2	0.6235		2,470.562 0

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	0.0878	1.3326	1.1123	3.7200e-003	0.0871	0.0190	0.1061	0.0239	0.0175	0.0413		369.3615	369.3615	2.7600e-003		369.4195
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	0.0540	0.0731	0.7641	1.7800e-003	0.1453	1.3200e-003	0.1466	0.0385	1.2100e-003	0.0398		145.1496	145.1496	8.0400e-003		145.3184
Total	0.1418	1.4056	1.8764	5.5000e-003	0.2324	0.0203	0.2527	0.0624	0.0187	0.0811		514.5111	514.5111	0.0108		514.7379

3.3 Demolition EO - 2017

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.4873	0.0000	0.4873	0.0738	0.0000	0.0738			0.0000			0.0000
Off-Road	2.7216	26.5855	20.8712	0.0245		1.6062	1.6062		1.5022	1.5022	0.0000	2,457.468 2	2,457.468 2	0.6235		2,470.562 0
Total	2.7216	26.5855	20.8712	0.0245	0.4873	1.6062	2.0935	0.0738	1.5022	1.5760	0.0000	2,457.468 2	2,457.468 2	0.6235		2,470.562 0

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	0.0878	1.3326	1.1123	3.7200e-003	0.0871	0.0190	0.1061	0.0239	0.0175	0.0413		369.3615	369.3615	2.7600e-003		369.4195
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	0.0540	0.0731	0.7641	1.7800e-003	0.1453	1.3200e-003	0.1466	0.0385	1.2100e-003	0.0398		145.1496	145.1496	8.0400e-003		145.3184
Total	0.1418	1.4056	1.8764	5.5000e-003	0.2324	0.0203	0.2527	0.0624	0.0187	0.0811		514.5111	514.5111	0.0108		514.7379

3.4 Grading DC - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					5.0468	0.0000	5.0468	2.5457	0.0000	2.5457			0.0000			0.0000
Off-Road	1.8844	19.7889	13.1786	0.0141		1.0661	1.0661		0.9808	0.9808		1,439.1894	1,439.1894	0.4410		1,448.4496
Total	1.8844	19.7889	13.1786	0.0141	5.0468	1.0661	6.1129	2.5457	0.9808	3.5265		1,439.1894	1,439.1894	0.4410		1,448.4496

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	2.5723	39.0529	32.5964	0.1092	3.7851	0.5569	4.3420	1.0015	0.5123	1.5138		10,824.7536	10,824.7536	0.0810		10,826.4551
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	0.0332	0.0450	0.4702	1.1000e-003	0.0894	8.1000e-004	0.0902	0.0237	7.5000e-004	0.0245		89.3228	89.3228	4.9500e-003		89.4267
Total	2.6055	39.0978	33.0666	0.1103	3.8746	0.5577	4.4323	1.0252	0.5130	1.5382		10,914.0764	10,914.0764	0.0860		10,915.8818

3.4 Grading DC - 2017

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.2711	0.0000	2.2711	1.1456	0.0000	1.1456			0.0000			0.0000
Off-Road	1.8844	19.7889	13.1786	0.0141		1.0661	1.0661		0.9808	0.9808	0.0000	1,439.1894	1,439.1894	0.4410		1,448.4496
Total	1.8844	19.7889	13.1786	0.0141	2.2711	1.0661	3.3372	1.1456	0.9808	2.1264	0.0000	1,439.1894	1,439.1894	0.4410		1,448.4496

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	2.5723	39.0529	32.5964	0.1092	3.7851	0.5569	4.3420	1.0015	0.5123	1.5138		10,824.7536	10,824.7536	0.0810		10,826.4551
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	0.0332	0.0450	0.4702	1.1000e-003	0.0894	8.1000e-004	0.0902	0.0237	7.5000e-004	0.0245		89.3228	89.3228	4.9500e-003		89.4267
Total	2.6055	39.0978	33.0666	0.1103	3.8746	0.5577	4.4323	1.0252	0.5130	1.5382		10,914.0764	10,914.0764	0.0860		10,915.8818

3.4 Grading DC - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					5.0468	0.0000	5.0468	2.5457	0.0000	2.5457			0.0000			0.0000
Off-Road	1.6639	17.3061	12.2672	0.0141		0.9184	0.9184		0.8450	0.8450		1,415.204 1	1,415.204 1	0.4406		1,424.456 1
Total	1.6639	17.3061	12.2672	0.0141	5.0468	0.9184	5.9653	2.5457	0.8450	3.3907		1,415.204 1	1,415.204 1	0.4406		1,424.456 1

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	2.5178	36.2853	32.0119	0.1091	5.5971	0.5564	6.1535	1.4463	0.5119	1.9581		10,646.94 31	10,646.94 31	0.0821		10,648.66 80
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	0.0299	0.0408	0.4254	1.1000e-003	0.0894	7.8000e-004	0.0902	0.0237	7.3000e-004	0.0244		86.0473	86.0473	4.5900e-003		86.1438
Total	2.5477	36.3261	32.4373	0.1102	5.6865	0.5572	6.2437	1.4700	0.5126	1.9826		10,732.99 05	10,732.99 05	0.0867		10,734.81 18

3.4 Grading DC - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.2711	0.0000	2.2711	1.1456	0.0000	1.1456			0.0000			0.0000
Off-Road	1.6639	17.3061	12.2672	0.0141		0.9184	0.9184		0.8450	0.8450	0.0000	1,415.204 1	1,415.204 1	0.4406		1,424.456 1
Total	1.6639	17.3061	12.2672	0.0141	2.2711	0.9184	3.1895	1.1456	0.8450	1.9905	0.0000	1,415.204 1	1,415.204 1	0.4406		1,424.456 1

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	2.5178	36.2853	32.0119	0.1091	5.5971	0.5564	6.1535	1.4463	0.5119	1.9581		10,646.94 31	10,646.94 31	0.0821		10,648.66 80
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	0.0299	0.0408	0.4254	1.1000e-003	0.0894	7.8000e-004	0.0902	0.0237	7.3000e-004	0.0244		86.0473	86.0473	4.5900e-003		86.1438
Total	2.5477	36.3261	32.4373	0.1102	5.6865	0.5572	6.2437	1.4700	0.5126	1.9826		10,732.99 05	10,732.99 05	0.0867		10,734.81 18

3.5 Grading EO - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.9365	0.0000	4.9365	2.5290	0.0000	2.5290			0.0000			0.0000
Off-Road	1.8844	19.7889	13.1786	0.0141		1.0661	1.0661		0.9808	0.9808		1,439.1894	1,439.1894	0.4410		1,448.4496
Total	1.8844	19.7889	13.1786	0.0141	4.9365	1.0661	6.0026	2.5290	0.9808	3.5098		1,439.1894	1,439.1894	0.4410		1,448.4496

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	0.4308	6.5404	5.4591	0.0183	0.9790	0.0933	1.0723	0.2524	0.0858	0.3382		1,812.8808	1,812.8808	0.0136		1,813.1658
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	0.0332	0.0450	0.4702	1.1000e-003	0.0894	8.1000e-004	0.0902	0.0237	7.5000e-004	0.0245		89.3228	89.3228	4.9500e-003		89.4267
Total	0.4640	6.5854	5.9293	0.0194	1.0684	0.0941	1.1625	0.2761	0.0866	0.3627		1,902.2037	1,902.2037	0.0185		1,902.5925

3.5 Grading EO - 2017

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.2214	0.0000	2.2214	1.1380	0.0000	1.1380			0.0000			0.0000
Off-Road	1.8844	19.7889	13.1786	0.0141		1.0661	1.0661		0.9808	0.9808	0.0000	1,439.189 4	1,439.189 4	0.4410		1,448.449 6
Total	1.8844	19.7889	13.1786	0.0141	2.2214	1.0661	3.2875	1.1380	0.9808	2.1189	0.0000	1,439.189 4	1,439.189 4	0.4410		1,448.449 6

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	0.4308	6.5404	5.4591	0.0183	0.9790	0.0933	1.0723	0.2524	0.0858	0.3382		1,812.880 8	1,812.880 8	0.0136		1,813.165 8
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	0.0332	0.0450	0.4702	1.1000e-003	0.0894	8.1000e-004	0.0902	0.0237	7.5000e-004	0.0245		89.3228	89.3228	4.9500e-003		89.4267
Total	0.4640	6.5854	5.9293	0.0194	1.0684	0.0941	1.1625	0.2761	0.0866	0.3627		1,902.203 7	1,902.203 7	0.0185		1,902.592 5

3.5 Grading EO - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Fugitive Dust					4.9365	0.0000	4.9365	2.5290	0.0000	2.5290			0.0000				0.0000
Off-Road	1.6639	17.3061	12.2672	0.0141		0.9184	0.9184		0.8450	0.8450		1,415.204 1	1,415.204 1	0.4406			1,424.456 1
Total	1.6639	17.3061	12.2672	0.0141	4.9365	0.9184	5.8549	2.5290	0.8450	3.3739		1,415.204 1	1,415.204 1	0.4406			1,424.456 1

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	0.4217	6.0769	5.3612	0.0183	0.6184	0.0932	0.7116	0.1639	0.0857	0.2496		1,783.101 9	1,783.101 9	0.0138			1,783.390 8
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	0.0299	0.0408	0.4254	1.1000e-003	0.0894	7.8000e-004	0.0902	0.0237	7.3000e-004	0.0244		86.0473	86.0473	4.5900e-003			86.1438
Total	0.4515	6.1177	5.7866	0.0194	0.7078	0.0940	0.8018	0.1876	0.0865	0.2741		1,869.149 3	1,869.149 3	0.0184			1,869.534 6

3.5 Grading EO - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Fugitive Dust					2.2214	0.0000	2.2214	1.1380	0.0000	1.1380			0.0000				0.0000
Off-Road	1.6639	17.3061	12.2672	0.0141		0.9184	0.9184		0.8450	0.8450	0.0000	1,415.204 1	1,415.204 1	0.4406			1,424.456 1
Total	1.6639	17.3061	12.2672	0.0141	2.2214	0.9184	3.1399	1.1380	0.8450	1.9830	0.0000	1,415.204 1	1,415.204 1	0.4406			1,424.456 1

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	0.4217	6.0769	5.3612	0.0183	0.6184	0.0932	0.7116	0.1639	0.0857	0.2496		1,783.101 9	1,783.101 9	0.0138			1,783.390 8
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	0.0299	0.0408	0.4254	1.1000e-003	0.0894	7.8000e-004	0.0902	0.0237	7.3000e-004	0.0244		86.0473	86.0473	4.5900e-003			86.1438
Total	0.4515	6.1177	5.7866	0.0194	0.7078	0.0940	0.8018	0.1876	0.0865	0.2741		1,869.149 3	1,869.149 3	0.0184			1,869.534 6

3.6 Building Construction DC - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.5826	17.3173	13.8357	0.0220		1.0532	1.0532		1.0172	1.0172		2,021.4136	2,021.4136	0.4059		2,029.9373
Total	2.5826	17.3173	13.8357	0.0220		1.0532	1.0532		1.0172	1.0172		2,021.4136	2,021.4136	0.4059		2,029.9373

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	0.4764	4.5067	6.7739	0.0131	0.3744	0.0696	0.4440	0.1065	0.0640	0.1705		1,268.0873	1,268.0873	9.6200e-003		1,268.2894
Worker	0.5262	0.7194	7.4978	0.0193	1.5761	0.0138	1.5899	0.4180	0.0128	0.4308		1,516.5843	1,516.5843	0.0810		1,518.2849
Total	1.0026	5.2262	14.2717	0.0324	1.9504	0.0834	2.0338	0.5245	0.0768	0.6013		2,784.6716	2,784.6716	0.0906		2,786.5743

3.6 Building Construction DC - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.5826	17.3173	13.8357	0.0220		1.0532	1.0532		1.0172	1.0172	0.0000	2,021.4136	2,021.4136	0.4059		2,029.9373
Total	2.5826	17.3173	13.8357	0.0220		1.0532	1.0532		1.0172	1.0172	0.0000	2,021.4136	2,021.4136	0.4059		2,029.9373

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	0.4764	4.5067	6.7739	0.0131	0.3744	0.0696	0.4440	0.1065	0.0640	0.1705		1,268.0873	1,268.0873	9.6200e-003		1,268.2894
Worker	0.5262	0.7194	7.4978	0.0193	1.5761	0.0138	1.5899	0.4180	0.0128	0.4308		1,516.5843	1,516.5843	0.0810		1,518.2849
Total	1.0026	5.2262	14.2717	0.0324	1.9504	0.0834	2.0338	0.5245	0.0768	0.6013		2,784.6716	2,784.6716	0.0906		2,786.5743

3.6 Building Construction DC - 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	2.2639	15.8827	13.4498	0.0220		0.9117	0.9117		0.8808	0.8808		2,008.7495	2,008.7495	0.3850		2,016.8347
Total	2.2639	15.8827	13.4498	0.0220		0.9117	0.9117		0.8808	0.8808		2,008.7495	2,008.7495	0.3850		2,016.8347

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	0.4513	4.1558	6.5598	0.0130	0.3745	0.0661	0.4406	0.1066	0.0608	0.1674		1,242.0218	1,242.0218	9.4200e-003		1,242.2196
Worker	0.4832	0.6596	6.8649	0.0193	1.5761	0.0135	1.5895	0.4180	0.0125	0.4305		1,457.0683	1,457.0683	0.0757		1,458.6579
Total	0.9345	4.8154	13.4247	0.0323	1.9505	0.0796	2.0301	0.5246	0.0733	0.5978		2,699.0901	2,699.0901	0.0851		2,700.8775

3.6 Building Construction DC - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.2639	15.8827	13.4498	0.0220		0.9117	0.9117		0.8808	0.8808	0.0000	2,008.7495	2,008.7495	0.3850		2,016.8347
Total	2.2639	15.8827	13.4498	0.0220		0.9117	0.9117		0.8808	0.8808	0.0000	2,008.7495	2,008.7495	0.3850		2,016.8347

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	0.4513	4.1558	6.5598	0.0130	0.3745	0.0661	0.4406	0.1066	0.0608	0.1674		1,242.0218	1,242.0218	9.4200e-003		1,242.2196
Worker	0.4832	0.6596	6.8649	0.0193	1.5761	0.0135	1.5895	0.4180	0.0125	0.4305		1,457.0683	1,457.0683	0.0757		1,458.6579
Total	0.9345	4.8154	13.4247	0.0323	1.9505	0.0796	2.0301	0.5246	0.0733	0.5978		2,699.0901	2,699.0901	0.0851		2,700.8775

3.7 Construction EO - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.5826	17.3173	13.8357	0.0220		1.0532	1.0532		1.0172	1.0172		2,021.4136	2,021.4136	0.4059		2,029.9373
Total	2.5826	17.3173	13.8357	0.0220		1.0532	1.0532		1.0172	1.0172		2,021.4136	2,021.4136	0.4059		2,029.9373

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	0.4764	4.5067	6.7739	0.0131	0.3744	0.0696	0.4440	0.1065	0.0640	0.1705		1,268.0873	1,268.0873	9.6200e-003		1,268.2894
Worker	0.5262	0.7194	7.4978	0.0193	1.5761	0.0138	1.5899	0.4180	0.0128	0.4308		1,516.5843	1,516.5843	0.0810		1,518.2849
Total	1.0026	5.2262	14.2717	0.0324	1.9504	0.0834	2.0338	0.5245	0.0768	0.6013		2,784.6716	2,784.6716	0.0906		2,786.5743

3.7 Construction EO - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.5826	17.3173	13.8357	0.0220		1.0532	1.0532		1.0172	1.0172	0.0000	2,021.4136	2,021.4136	0.4059		2,029.9373
Total	2.5826	17.3173	13.8357	0.0220		1.0532	1.0532		1.0172	1.0172	0.0000	2,021.4136	2,021.4136	0.4059		2,029.9373

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	0.4764	4.5067	6.7739	0.0131	0.3744	0.0696	0.4440	0.1065	0.0640	0.1705		1,268.0873	1,268.0873	9.6200e-003		1,268.2894
Worker	0.5262	0.7194	7.4978	0.0193	1.5761	0.0138	1.5899	0.4180	0.0128	0.4308		1,516.5843	1,516.5843	0.0810		1,518.2849
Total	1.0026	5.2262	14.2717	0.0324	1.9504	0.0834	2.0338	0.5245	0.0768	0.6013		2,784.6716	2,784.6716	0.0906		2,786.5743

3.7 Construction EO - 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	2.2639	15.8827	13.4498	0.0220		0.9117	0.9117		0.8808	0.8808		2,008.7495	2,008.7495	0.3850		2,016.8347
Total	2.2639	15.8827	13.4498	0.0220		0.9117	0.9117		0.8808	0.8808		2,008.7495	2,008.7495	0.3850		2,016.8347

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	0.4513	4.1558	6.5598	0.0130	0.3745	0.0661	0.4406	0.1066	0.0608	0.1674		1,242.0218	1,242.0218	9.4200e-003		1,242.2196
Worker	0.4832	0.6596	6.8649	0.0193	1.5761	0.0135	1.5895	0.4180	0.0125	0.4305		1,457.0683	1,457.0683	0.0757		1,458.6579
Total	0.9345	4.8154	13.4247	0.0323	1.9505	0.0796	2.0301	0.5246	0.0733	0.5978		2,699.0901	2,699.0901	0.0851		2,700.8775

3.7 Construction EO - 2019**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.2639	15.8827	13.4498	0.0220		0.9117	0.9117		0.8808	0.8808	0.0000	2,008.7495	2,008.7495	0.3850		2,016.8347
Total	2.2639	15.8827	13.4498	0.0220		0.9117	0.9117		0.8808	0.8808	0.0000	2,008.7495	2,008.7495	0.3850		2,016.8347

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	0.4513	4.1558	6.5598	0.0130	0.3745	0.0661	0.4406	0.1066	0.0608	0.1674		1,242.0218	1,242.0218	9.4200e-003		1,242.2196
Worker	0.4832	0.6596	6.8649	0.0193	1.5761	0.0135	1.5895	0.4180	0.0125	0.4305		1,457.0683	1,457.0683	0.0757		1,458.6579
Total	0.9345	4.8154	13.4247	0.0323	1.9505	0.0796	2.0301	0.5246	0.0733	0.5978		2,699.0901	2,699.0901	0.0851		2,700.8775

3.8 Architectural Coating EO - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Archit. Coating	6.3446					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Off-Road	0.2986	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506		281.4485	281.4485	0.0267			282.0102
Total	6.6432	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506		281.4485	281.4485	0.0267			282.0102

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	0.1045	0.1429	1.4889	3.8400e-003	0.3130	2.7500e-003	0.3157	0.0830	2.5400e-003	0.0855		301.1657	301.1657	0.0161			301.5034
Total	0.1045	0.1429	1.4889	3.8400e-003	0.3130	2.7500e-003	0.3157	0.0830	2.5400e-003	0.0855		301.1657	301.1657	0.0161			301.5034

3.8 Architectural Coating EO - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	6.3446					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2986	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506	0.0000	281.4485	281.4485	0.0267		282.0102
Total	6.6432	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506	0.0000	281.4485	281.4485	0.0267		282.0102

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	0.1045	0.1429	1.4889	3.8400e-003	0.3130	2.7500e-003	0.3157	0.0830	2.5400e-003	0.0855		301.1657	301.1657	0.0161		301.5034
Total	0.1045	0.1429	1.4889	3.8400e-003	0.3130	2.7500e-003	0.3157	0.0830	2.5400e-003	0.0855		301.1657	301.1657	0.0161		301.5034

3.8 Architectural Coating EO - 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					
Archit. Coating	6.3446					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238		281.9473
Total	6.6110	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238		281.9473

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	0.0960	0.1310	1.3632	3.8200e-003	0.3130	2.6800e-003	0.3157	0.0830	2.4800e-003	0.0855		289.3469	289.3469	0.0150		289.6626
Total	0.0960	0.1310	1.3632	3.8200e-003	0.3130	2.6800e-003	0.3157	0.0830	2.4800e-003	0.0855		289.3469	289.3469	0.0150		289.6626

3.8 Architectural Coating EO - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	6.3446					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288	0.0000	281.4481	281.4481	0.0238		281.9473
Total	6.6110	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288	0.0000	281.4481	281.4481	0.0238		281.9473

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	0.0960	0.1310	1.3632	3.8200e-003	0.3130	2.6800e-003	0.3157	0.0830	2.4800e-003	0.0855		289.3469	289.3469	0.0150		289.6626
Total	0.0960	0.1310	1.3632	3.8200e-003	0.3130	2.6800e-003	0.3157	0.0830	2.4800e-003	0.0855		289.3469	289.3469	0.0150		289.6626

3.9 Architectural Coating DC - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	9.4282					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2986	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506		281.4485	281.4485	0.0267		282.0102
Total	9.7268	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506		281.4485	281.4485	0.0267		282.0102

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	0.1045	0.1429	1.4889	3.8400e-003	0.3130	2.7500e-003	0.3157	0.0830	2.5400e-003	0.0855		301.1657	301.1657	0.0161		301.5034
Total	0.1045	0.1429	1.4889	3.8400e-003	0.3130	2.7500e-003	0.3157	0.0830	2.5400e-003	0.0855		301.1657	301.1657	0.0161		301.5034

3.9 Architectural Coating DC - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	9.4282					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2986	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506	0.0000	281.4485	281.4485	0.0267		282.0102
Total	9.7268	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506	0.0000	281.4485	281.4485	0.0267		282.0102

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	0.1045	0.1429	1.4889	3.8400e-003	0.3130	2.7500e-003	0.3157	0.0830	2.5400e-003	0.0855		301.1657	301.1657	0.0161		301.5034
Total	0.1045	0.1429	1.4889	3.8400e-003	0.3130	2.7500e-003	0.3157	0.0830	2.5400e-003	0.0855		301.1657	301.1657	0.0161		301.5034

3.9 Architectural Coating DC - 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						
Archit. Coating	9.4282					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238			281.9473
Total	9.6947	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238			281.9473

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	0.0960	0.1310	1.3632	3.8200e-003	0.3130	2.6800e-003	0.3157	0.0830	2.4800e-003	0.0855		289.3469	289.3469	0.0150			289.6626
Total	0.0960	0.1310	1.3632	3.8200e-003	0.3130	2.6800e-003	0.3157	0.0830	2.4800e-003	0.0855		289.3469	289.3469	0.0150			289.6626

3.9 Architectural Coating DC - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Archit. Coating	9.4282					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288	0.0000	281.4481	281.4481	0.0238			281.9473
Total	9.6947	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288	0.0000	281.4481	281.4481	0.0238			281.9473

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	0.0960	0.1310	1.3632	3.8200e-003	0.3130	2.6800e-003	0.3157	0.0830	2.4800e-003	0.0855		289.3469	289.3469	0.0150			289.6626
Total	0.0960	0.1310	1.3632	3.8200e-003	0.3130	2.6800e-003	0.3157	0.0830	2.4800e-003	0.0855		289.3469	289.3469	0.0150			289.6626

3.10 Paving DC - 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	0.8923	9.0499	8.7806	0.0133		0.5164	0.5164		0.4759	0.4759		1,305.5566	1,305.5566	0.4050		1,314.0618
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.8923	9.0499	8.7806	0.0133		0.5164	0.5164		0.4759	0.4759		1,305.5566	1,305.5566	0.4050		1,314.0618

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	0.0446	0.0608	0.6329	1.7700e-003	0.1453	1.2400e-003	0.1466	0.0385	1.1500e-003	0.0397		134.3396	134.3396	6.9800e-003		134.4862
Total	0.0446	0.0608	0.6329	1.7700e-003	0.1453	1.2400e-003	0.1466	0.0385	1.1500e-003	0.0397		134.3396	134.3396	6.9800e-003		134.4862

3.10 Paving DC - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8923	9.0499	8.7806	0.0133		0.5164	0.5164		0.4759	0.4759	0.0000	1,305.5566	1,305.5566	0.4050		1,314.0618
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.8923	9.0499	8.7806	0.0133		0.5164	0.5164		0.4759	0.4759	0.0000	1,305.5566	1,305.5566	0.4050		1,314.0618

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	0.0446	0.0608	0.6329	1.7700e-003	0.1453	1.2400e-003	0.1466	0.0385	1.1500e-003	0.0397		134.3396	134.3396	6.9800e-003		134.4862
Total	0.0446	0.0608	0.6329	1.7700e-003	0.1453	1.2400e-003	0.1466	0.0385	1.1500e-003	0.0397		134.3396	134.3396	6.9800e-003		134.4862

3.11 Paving EO - 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	0.8923	9.0499	8.7806	0.0133		0.5164	0.5164		0.4759	0.4759		1,305.5566	1,305.5566	0.4050		1,314.0618
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.8923	9.0499	8.7806	0.0133		0.5164	0.5164		0.4759	0.4759		1,305.5566	1,305.5566	0.4050		1,314.0618

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	0.0446	0.0608	0.6329	1.7700e-003	0.1453	1.2400e-003	0.1466	0.0385	1.1500e-003	0.0397		134.3396	134.3396	6.9800e-003		134.4862
Total	0.0446	0.0608	0.6329	1.7700e-003	0.1453	1.2400e-003	0.1466	0.0385	1.1500e-003	0.0397		134.3396	134.3396	6.9800e-003		134.4862

3.11 Paving EO - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8923	9.0499	8.7806	0.0133		0.5164	0.5164		0.4759	0.4759	0.0000	1,305.5566	1,305.5566	0.4050		1,314.0618
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.8923	9.0499	8.7806	0.0133		0.5164	0.5164		0.4759	0.4759	0.0000	1,305.5566	1,305.5566	0.4050		1,314.0618

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	0.0446	0.0608	0.6329	1.7700e-003	0.1453	1.2400e-003	0.1466	0.0385	1.1500e-003	0.0397		134.3396	134.3396	6.9800e-003		134.4862
Total	0.0446	0.0608	0.6329	1.7700e-003	0.1453	1.2400e-003	0.1466	0.0385	1.1500e-003	0.0397		134.3396	134.3396	6.9800e-003		134.4862

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	4.7257	11.6095	47.4424	0.1311	8.9190	0.1864	9.1054	2.3852	0.1719	2.5572		10,188.0068	10,188.0068	0.3892		10,196.1806
Unmitigated	4.7257	11.6095	47.4424	0.1311	8.9190	0.1864	9.1054	2.3852	0.1719	2.5572		10,188.0068	10,188.0068	0.3892		10,196.1806

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Enclosed Parking with Elevator	0.00	0.00	0.00		
Enclosed Parking with Elevator	0.00	0.00	0.00		
Fast Food Restaurant w/o Drive Thru	204.46	696.00	500.00	572,460	572,460
General Office Building	800.39	237.71	98.29	1,911,178	1,911,178
General Office Building	153.30	45.53	18.83	366,039	366,039
Total	1,158.15	979.24	617.12	2,849,677	2,849,677

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
Enclosed Parking with Elevator	15.20	8.40	6.90	0.00	0.00	0.00	0	0	0
Enclosed Parking with Elevator	15.20	8.40	6.90	0.00	0.00	0.00	0	0	0
Fast Food Restaurant w/o Drive	15.20	8.40	6.90	1.50	79.50	19.00	51	37	12
General Office Building	15.20	8.40	6.90	33.00	48.00	19.00	77	19	4
General Office Building	15.20	8.40	6.90	33.00	48.00	19.00	77	19	4

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.530094	0.057664	0.178835	0.124843	0.039181	0.006319	0.017052	0.034445	0.002509	0.003148	0.003693	0.000531	0.001685

5.0 Energy Detail

2.4 Fleet Mix

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					
NaturalGas Mitigated	0.0417	0.3786	0.3180	2.2700e-003		0.0288	0.0288		0.0288	0.0288		454.3210	454.3210	8.7100e-003	8.3300e-003	457.0859
NaturalGas Unmitigated	0.0417	0.3786	0.3180	2.2700e-003		0.0288	0.0288		0.0288	0.0288		454.3210	454.3210	8.7100e-003	8.3300e-003	457.0859

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
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
Fast Food Restaurant w/o Drive Thru	721.726	7.7800e-003	0.0708	0.0594	4.2000e-004		5.3800e-003	5.3800e-003		5.3800e-003	5.3800e-003		84.9089	84.9089	1.6300e-003	1.5600e-003	85.4257
General Office Building	2635.28	0.0284	0.2584	0.2170	1.5500e-003		0.0196	0.0196		0.0196	0.0196		310.0329	310.0329	5.9400e-003	5.6800e-003	311.9197
General Office Building	504.723	5.4400e-003	0.0495	0.0416	3.0000e-004		3.7600e-003	3.7600e-003		3.7600e-003	3.7600e-003		59.3792	59.3792	1.1400e-003	1.0900e-003	59.7406
Total		0.0416	0.3786	0.3180	2.2700e-003		0.0288	0.0288		0.0288	0.0288		454.3210	454.3210	8.7100e-003	8.3300e-003	457.0859

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Fast Food Restaurant w/o Drive Thru	0.721726	7.7800e-003	0.0708	0.0594	4.2000e-004		5.3800e-003	5.3800e-003		5.3800e-003	5.3800e-003		84.9089	84.9089	1.6300e-003	1.5600e-003	85.4257
General Office Building	0.504723	5.4400e-003	0.0495	0.0416	3.0000e-004		3.7600e-003	3.7600e-003		3.7600e-003	3.7600e-003		59.3792	59.3792	1.1400e-003	1.0900e-003	59.7406
General Office Building	2.63528	0.0284	0.2584	0.2170	1.5500e-003		0.0196	0.0196		0.0196	0.0196		310.0329	310.0329	5.9400e-003	5.6800e-003	311.9197
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
Total		0.0416	0.3786	0.3180	2.2700e-003		0.0288	0.0288		0.0288	0.0288		454.3210	454.3210	8.7100e-003	8.3300e-003	457.0859

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

	ROG	NOx	CO	SO2	Fugitive 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	7.6788	6.9000e-004	0.0750	1.0000e-005		2.7000e-004	2.7000e-004		2.7000e-004	2.7000e-004		0.1597	0.1597	4.3000e-004		0.1687
Unmitigated	9.0659	6.9000e-004	0.0750	1.0000e-005		2.7000e-004	2.7000e-004		2.7000e-004	2.7000e-004		0.1597	0.1597	4.3000e-004		0.1687

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	lb/day										lb/day					
Architectural Coating	1.8495					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	7.2094					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	7.0500e-003	6.9000e-004	0.0750	1.0000e-005		2.7000e-004	2.7000e-004		2.7000e-004	2.7000e-004		0.1597	0.1597	4.3000e-004		0.1687
Total	9.0659	6.9000e-004	0.0750	1.0000e-005		2.7000e-004	2.7000e-004		2.7000e-004	2.7000e-004		0.1597	0.1597	4.3000e-004		0.1687

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.4624					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	7.2094					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	7.0500e-003	6.9000e-004	0.0750	1.0000e-005		2.7000e-004	2.7000e-004		2.7000e-004	2.7000e-004		0.1597	0.1597	4.3000e-004		0.1687
Total	7.6788	6.9000e-004	0.0750	1.0000e-005		2.7000e-004	2.7000e-004		2.7000e-004	2.7000e-004		0.1597	0.1597	4.3000e-004		0.1687

7.0 Water Detail

7.1 Mitigation Measures Water

Use Grey 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 Vegetation

Skechers Hermosa Beach Component 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	100.30	1000sqft	1.44	100,300.00	0
General Office Building	19.21	1000sqft	0.36	19,210.00	0
Enclosed Parking with Elevator	520.00	Space	0.00	208,000.00	0
Enclosed Parking with Elevator	89.00	Space	0.00	35,600.00	0
Fast Food Restaurant w/o Drive Thru	1.00	1000sqft	0.00	1,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	8			Operational Year	2020
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	630.89	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 - From site plan and traffic study. Underground pedestrian tunnel (approx 0.004 ac included)

Construction Phase - DC = Design Center and EO = Executive Office construction. From applicant provided construction schedule.

Trips and VMT -

Demolition - Estimated from Google earth

Grading - From PD. 132,000 CY total export

Architectural Coating - Assumed compliance with amended SCAQMD Rule 1113.

Vehicle Trips - Trip generations based on Traffic Study LLG 2016. 15.2 miles from Traffic Study Table F

Area Coating - Assumed compliance with SCAQMD Rule 1113.

Construction Off-road Equipment Mitigation - Assumed compliance with SCAQMD Rule 403

Mobile Land Use Mitigation - Trip generation rates used account for trip reductions from LLG Traffic Study (2016)

Mobile Commute Mitigation - Trip generation rates used account for trip reductions from LLG Traffic Study (2016)

Area Mitigation - Assumed compliance with SCAQMD Rule 1113.

Water Mitigation - PD includes greywater for outdoor use

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	50
tblAreaMitigation	UseLowVOCPaintNonresidentialInteriorValue	250	50
tblConstructionPhase	NumDays	10.00	266.00
tblConstructionPhase	NumDays	10.00	179.00
tblConstructionPhase	NumDays	200.00	239.00
tblConstructionPhase	NumDays	200.00	268.00
tblConstructionPhase	NumDays	20.00	15.00
tblConstructionPhase	NumDays	20.00	15.00

tblConstructionPhase	NumDays	4.00	90.00
tblConstructionPhase	NumDays	4.00	135.00
tblConstructionPhase	NumDays	10.00	61.00
tblConstructionPhase	NumDays	10.00	60.00
tblConstructionPhase	PhaseEndDate	4/17/2020	9/11/2019
tblConstructionPhase	PhaseEndDate	5/19/2020	6/14/2019
tblConstructionPhase	PhaseEndDate	3/28/2019	1/17/2019
tblConstructionPhase	PhaseEndDate	1/28/2020	4/11/2019
tblConstructionPhase	PhaseEndDate	11/3/2017	10/20/2017
tblConstructionPhase	PhaseEndDate	2/23/2018	2/16/2018
tblConstructionPhase	PhaseEndDate	8/24/2018	4/27/2018
tblConstructionPhase	PhaseEndDate	9/6/2019	3/28/2019
tblConstructionPhase	PhaseStartDate	4/12/2019	9/5/2018
tblConstructionPhase	PhaseStartDate	9/12/2019	10/9/2018
tblConstructionPhase	PhaseStartDate	4/28/2018	2/19/2018
tblConstructionPhase	PhaseStartDate	1/18/2019	4/3/2018
tblConstructionPhase	PhaseStartDate	10/14/2017	10/2/2017
tblConstructionPhase	PhaseStartDate	10/21/2017	10/16/2017
tblConstructionPhase	PhaseStartDate	2/17/2018	10/23/2017
tblConstructionPhase	PhaseStartDate	6/15/2019	1/4/2019
tblGrading	MaterialExported	0.00	105,500.00
tblGrading	MaterialExported	0.00	26,500.00
tblLandUse	LotAcreage	2.30	1.44
tblLandUse	LotAcreage	0.44	0.36
tblLandUse	LotAcreage	4.68	0.00
tblLandUse	LotAcreage	0.80	0.00
tblLandUse	LotAcreage	0.02	0.00
tblProjectCharacteristics	OperationalYear	2014	2020

tblVehicleTrips	CW_TL	16.60	15.20
tblVehicleTrips	CW_TL	16.60	15.20
tblVehicleTrips	CW_TL	16.60	15.20
tblVehicleTrips	WD_TR	716.00	204.46
tblVehicleTrips	WD_TR	11.01	7.98

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2017	0.2242	2.7305	2.0668	4.7400e-003	0.7189	0.0982	0.8170	0.3244	0.0907	0.4151	0.0000	427.2885	427.2885	0.0322	0.0000	427.9646
2018	1.4855	6.8732	7.6591	0.0156	1.1122	0.3191	1.4312	0.4327	0.3046	0.7372	0.0000	1,281.8937	1,281.8937	0.1236	0.0000	1,284.4899
2019	1.3842	1.7421	2.2075	4.2900e-003	0.1371	0.0937	0.2308	0.0367	0.0896	0.1263	0.0000	342.5187	342.5187	0.0462	0.0000	343.4898
Total	3.0939	11.3458	11.9333	0.0246	1.9681	0.5109	2.4790	0.7938	0.4849	1.2787	0.0000	2,051.7009	2,051.7009	0.2021	0.0000	2,055.9443

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2017	0.2242	2.7305	2.0668	4.7400e-003	0.3976	0.0982	0.4958	0.1655	0.0907	0.2562	0.0000	427.2884	427.2884	0.0322	0.0000	427.9645
2018	1.4855	6.8732	7.6591	0.0156	0.8040	0.3191	1.1231	0.2758	0.3046	0.5803	0.0000	1,281.8931	1,281.8931	0.1236	0.0000	1,284.4893
2019	1.3842	1.7421	2.2075	4.2900e-003	0.1371	0.0937	0.2308	0.0367	0.0896	0.1263	0.0000	342.5185	342.5185	0.0462	0.0000	343.4895
Total	3.0939	11.3458	11.9333	0.0246	1.3387	0.5109	1.8496	0.4781	0.4849	0.9629	0.0000	2,051.6999	2,051.6999	0.2021	0.0000	2,055.9434

	ROG	NOx	CO	SO2	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	31.98	0.00	25.39	39.78	0.00	24.70	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	1.6541	9.0000e-005	9.3700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0181	0.0181	5.0000e-005	0.0000	0.0191
Energy	7.6000e-003	0.0691	0.0580	4.1000e-004		5.2500e-003	5.2500e-003		5.2500e-003	5.2500e-003	0.0000	1,090.5210	1,090.5210	0.0481	0.0110	1,094.9521
Mobile	0.5291	1.4455	5.7384	0.0164	1.0805	0.0229	1.1033	0.2894	0.0211	0.3105	0.0000	1,152.4740	1,152.4740	0.0433	0.0000	1,153.3832
Waste						0.0000	0.0000		0.0000	0.0000	24.8989	0.0000	24.8989	1.4715	0.0000	55.8000
Water						0.0000	0.0000		0.0000	0.0000	6.8351	121.7306	128.5657	0.7076	0.0177	148.9234
Total	2.1908	1.5147	5.8058	0.0168	1.0805	0.0281	1.1086	0.2894	0.0264	0.3158	31.7339	2,364.7436	2,396.4776	2.2706	0.0288	2,453.0778

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	1.4010	9.0000e-005	9.3700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0181	0.0181	5.0000e-005	0.0000	0.0191
Energy	7.6000e-003	0.0691	0.0580	4.1000e-004		5.2500e-003	5.2500e-003		5.2500e-003	5.2500e-003	0.0000	1,090.5210	1,090.5210	0.0481	0.0110	1,094.9521
Mobile	0.5291	1.4455	5.7384	0.0164	1.0805	0.0229	1.1033	0.2894	0.0211	0.3105	0.0000	1,152.4740	1,152.4740	0.0433	0.0000	1,153.3832
Waste						0.0000	0.0000		0.0000	0.0000	24.8989	0.0000	24.8989	1.4715	0.0000	55.8000
Water						0.0000	0.0000		0.0000	0.0000	6.8351	80.2786	87.1137	0.7056	0.0173	107.2983
Total	1.9376	1.5147	5.8058	0.0168	1.0805	0.0281	1.1086	0.2894	0.0264	0.3158	31.7339	2,323.2916	2,355.0256	2.2685	0.0283	2,411.4527

	ROG	NOx	CO	SO2	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	11.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.75	1.73	0.09	1.46	1.70

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 DC	Demolition	9/25/2017	10/13/2017	5	15	
2	Demolition EO	Demolition	10/2/2017	10/20/2017	5	15	
3	Grading DC	Grading	10/16/2017	2/16/2018	5	90	
4	Grading EO	Grading	10/23/2017	4/27/2018	5	135	
5	Building Construction DC	Building Construction	2/19/2018	1/17/2019	5	239	
6	Construction EO	Building Construction	4/3/2018	4/11/2019	5	268	
7	Architectural Coating EO	Architectural Coating	9/5/2018	9/11/2019	5	266	
8	Architectural Coating DC	Architectural Coating	10/9/2018	6/14/2019	5	179	
9	Paving DC	Paving	1/4/2019	3/28/2019	5	60	
10	Paving EO	Paving	3/29/2019	6/21/2019	5	61	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 546,165; Non-Residential Outdoor: 182,055 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition DC	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition DC	Rubber Tired Dozers	1	8.00	255	0.40
Demolition DC	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Demolition EO	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition EO	Rubber Tired Dozers	1	8.00	255	0.40
Demolition EO	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Grading DC	Graders	1	6.00	174	0.41

Grading DC	Rubber Tired Dozers	1	6.00	255	0.40
Grading DC	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Grading EO	Graders	1	6.00	174	0.41
Grading EO	Rubber Tired Dozers	1	6.00	255	0.40
Grading EO	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Building Construction DC	Cranes	1	6.00	226	0.29
Building Construction DC	Forklifts	1	6.00	89	0.20
Building Construction DC	Generator Sets	1	8.00	84	0.74
Building Construction DC	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction DC	Welders	3	8.00	46	0.45
Construction EO	Cranes	1	6.00	226	0.29
Construction EO	Forklifts	1	6.00	89	0.20
Construction EO	Generator Sets	1	8.00	84	0.74
Construction EO	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Construction EO	Welders	3	8.00	46	0.45
Architectural Coating EO	Air Compressors	1	6.00	78	0.48
Architectural Coating DC	Air Compressors	1	6.00	78	0.48
Paving DC	Cement and Mortar Mixers	1	6.00	9	0.56
Paving DC	Pavers	1	6.00	125	0.42
Paving DC	Paving Equipment	1	8.00	130	0.36
Paving DC	Rollers	1	7.00	80	0.38
Paving DC	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Paving EO	Cement and Mortar Mixers	1	6.00	9	0.56
Paving EO	Pavers	1	6.00	125	0.42
Paving EO	Paving Equipment	1	8.00	130	0.36
Paving EO	Rollers	1	7.00	80	0.38
Paving EO	Tractors/Loaders/Backhoes	1	8.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition DC	5	13.00	0.00	145.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Demolition EO	5	13.00	0.00	75.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading DC	3	8.00	0.00	13,188.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading EO	3	8.00	0.00	3,313.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction DC	7	141.00	60.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction EO	7	141.00	60.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating DC	1	28.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating EO	1	28.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving DC	5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving EO	5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition DC - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0157	0.0000	0.0157	2.3800e-003	0.0000	2.3800e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0204	0.1994	0.1565	1.8000e-004		0.0121	0.0121		0.0113	0.0113	0.0000	16.7203	16.7203	4.2400e-003	0.0000	16.8094
Total	0.0204	0.1994	0.1565	1.8000e-004	0.0157	0.0121	0.0278	2.3800e-003	0.0113	0.0137	0.0000	16.7203	16.7203	4.2400e-003	0.0000	16.8094

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	1.2500e-003	0.0197	0.0156	5.0000e-005	1.2400e-003	2.8000e-004	1.5200e-003	3.4000e-004	2.5000e-004	5.9000e-004	0.0000	4.8653	4.8653	4.0000e-005	0.0000	4.8660
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	3.8000e-004	5.6000e-004	5.8600e-003	1.0000e-005	1.0700e-003	1.0000e-005	1.0800e-003	2.8000e-004	1.0000e-005	2.9000e-004	0.0000	1.0035	1.0035	5.0000e-005	0.0000	1.0046
Total	1.6300e-003	0.0202	0.0215	6.0000e-005	2.3100e-003	2.9000e-004	2.6000e-003	6.2000e-004	2.6000e-004	8.8000e-004	0.0000	5.8688	5.8688	9.0000e-005	0.0000	5.8707

3.2 Demolition DC - 2017

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					7.0700e-003	0.0000	7.0700e-003	1.0700e-003	0.0000	1.0700e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0204	0.1994	0.1565	1.8000e-004		0.0121	0.0121		0.0113	0.0113	0.0000	16.7203	16.7203	4.2400e-003	0.0000	16.8094
Total	0.0204	0.1994	0.1565	1.8000e-004	7.0700e-003	0.0121	0.0191	1.0700e-003	0.0113	0.0123	0.0000	16.7203	16.7203	4.2400e-003	0.0000	16.8094

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	1.2500e-003	0.0197	0.0156	5.0000e-005	1.2400e-003	2.8000e-004	1.5200e-003	3.4000e-004	2.5000e-004	5.9000e-004	0.0000	4.8653	4.8653	4.0000e-005	0.0000	4.8660
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	3.8000e-004	5.6000e-004	5.8600e-003	1.0000e-005	1.0700e-003	1.0000e-005	1.0800e-003	2.8000e-004	1.0000e-005	2.9000e-004	0.0000	1.0035	1.0035	5.0000e-005	0.0000	1.0046
Total	1.6300e-003	0.0202	0.0215	6.0000e-005	2.3100e-003	2.9000e-004	2.6000e-003	6.2000e-004	2.6000e-004	8.8000e-004	0.0000	5.8688	5.8688	9.0000e-005	0.0000	5.8707

3.3 Demolition EO - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					8.1200e-003	0.0000	8.1200e-003	1.2300e-003	0.0000	1.2300e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0204	0.1994	0.1565	1.8000e-004		0.0121	0.0121		0.0113	0.0113	0.0000	16.7203	16.7203	4.2400e-003	0.0000	16.8094
Total	0.0204	0.1994	0.1565	1.8000e-004	8.1200e-003	0.0121	0.0202	1.2300e-003	0.0113	0.0125	0.0000	16.7203	16.7203	4.2400e-003	0.0000	16.8094

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	6.5000e-004	0.0102	8.0900e-003	3.0000e-005	6.4000e-004	1.4000e-004	7.8000e-004	1.8000e-004	1.3000e-004	3.1000e-004	0.0000	2.5165	2.5165	2.0000e-005	0.0000	2.5169
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	3.8000e-004	5.6000e-004	5.8600e-003	1.0000e-005	1.0700e-003	1.0000e-005	1.0800e-003	2.8000e-004	1.0000e-005	2.9000e-004	0.0000	1.0035	1.0035	5.0000e-005	0.0000	1.0046
Total	1.0300e-003	0.0107	0.0140	4.0000e-005	1.7100e-003	1.5000e-004	1.8600e-003	4.6000e-004	1.4000e-004	6.0000e-004	0.0000	3.5200	3.5200	7.0000e-005	0.0000	3.5216

3.3 Demolition EO - 2017

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					3.6500e-003	0.0000	3.6500e-003	5.5000e-004	0.0000	5.5000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0204	0.1994	0.1565	1.8000e-004		0.0121	0.0121		0.0113	0.0113	0.0000	16.7203	16.7203	4.2400e-003	0.0000	16.8094
Total	0.0204	0.1994	0.1565	1.8000e-004	3.6500e-003	0.0121	0.0157	5.5000e-004	0.0113	0.0118	0.0000	16.7203	16.7203	4.2400e-003	0.0000	16.8094

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	6.5000e-004	0.0102	8.0900e-003	3.0000e-005	6.4000e-004	1.4000e-004	7.8000e-004	1.8000e-004	1.3000e-004	3.1000e-004	0.0000	2.5165	2.5165	2.0000e-005	0.0000	2.5169
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	3.8000e-004	5.6000e-004	5.8600e-003	1.0000e-005	1.0700e-003	1.0000e-005	1.0800e-003	2.8000e-004	1.0000e-005	2.9000e-004	0.0000	1.0035	1.0035	5.0000e-005	0.0000	1.0046
Total	1.0300e-003	0.0107	0.0140	4.0000e-005	1.7100e-003	1.5000e-004	1.8600e-003	4.6000e-004	1.4000e-004	6.0000e-004	0.0000	3.5200	3.5200	7.0000e-005	0.0000	3.5216

3.4 Grading DC - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.2271	0.0000	0.2271	0.1146	0.0000	0.1146	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0518	0.5442	0.3624	3.9000e-004		0.0293	0.0293		0.0270	0.0270	0.0000	35.9043	35.9043	0.0110	0.0000	36.1353
Total	0.0518	0.5442	0.3624	3.9000e-004	0.2271	0.0293	0.2564	0.1146	0.0270	0.1415	0.0000	35.9043	35.9043	0.0110	0.0000	36.1353

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	0.0696	1.0930	0.8689	3.0100e-003	0.1021	0.0153	0.1174	0.0271	0.0141	0.0411	0.0000	270.4202	270.4202	2.0100e-003	0.0000	270.4624
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	8.6000e-004	1.2700e-003	0.0132	3.0000e-005	2.4100e-003	2.0000e-005	2.4300e-003	6.4000e-004	2.0000e-005	6.6000e-004	0.0000	2.2643	2.2643	1.2000e-004	0.0000	2.2669
Total	0.0704	1.0943	0.8821	3.0400e-003	0.1045	0.0153	0.1199	0.0277	0.0141	0.0418	0.0000	272.6845	272.6845	2.1300e-003	0.0000	272.7292

3.4 Grading DC - 2017

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1022	0.0000	0.1022	0.0516	0.0000	0.0516	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0518	0.5442	0.3624	3.9000e-004		0.0293	0.0293		0.0270	0.0270	0.0000	35.9043	35.9043	0.0110	0.0000	36.1353
Total	0.0518	0.5442	0.3624	3.9000e-004	0.1022	0.0293	0.1315	0.0516	0.0270	0.0785	0.0000	35.9043	35.9043	0.0110	0.0000	36.1353

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	0.0696	1.0930	0.8689	3.0100e-003	0.1021	0.0153	0.1174	0.0271	0.0141	0.0411	0.0000	270.4202	270.4202	2.0100e-003	0.0000	270.4624
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	8.6000e-004	1.2700e-003	0.0132	3.0000e-005	2.4100e-003	2.0000e-005	2.4300e-003	6.4000e-004	2.0000e-005	6.6000e-004	0.0000	2.2643	2.2643	1.2000e-004	0.0000	2.2669
Total	0.0704	1.0943	0.8821	3.0400e-003	0.1045	0.0153	0.1199	0.0277	0.0141	0.0418	0.0000	272.6845	272.6845	2.1300e-003	0.0000	272.7292

3.4 Grading DC - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.2271	0.0000	0.2271	0.1146	0.0000	0.1146	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0291	0.3029	0.2147	2.5000e-004		0.0161	0.0161		0.0148	0.0148	0.0000	22.4674	22.4674	6.9900e-003	0.0000	22.6143
Total	0.0291	0.3029	0.2147	2.5000e-004	0.2271	0.0161	0.2432	0.1146	0.0148	0.1294	0.0000	22.4674	22.4674	6.9900e-003	0.0000	22.6143

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	0.0434	0.6463	0.5425	1.9100e-003	0.0960	9.7200e-003	0.1057	0.0248	8.9500e-003	0.0338	0.0000	169.2590	169.2590	1.2900e-003	0.0000	169.2861
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.9000e-004	7.3000e-004	7.6200e-003	2.0000e-005	1.5300e-003	1.0000e-005	1.5500e-003	4.1000e-004	1.0000e-005	4.2000e-004	0.0000	1.3881	1.3881	7.0000e-005	0.0000	1.3896
Total	0.0439	0.6470	0.5501	1.9300e-003	0.0975	9.7300e-003	0.1073	0.0252	8.9600e-003	0.0342	0.0000	170.6470	170.6470	1.3600e-003	0.0000	170.6758

3.4 Grading DC - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1022	0.0000	0.1022	0.0516	0.0000	0.0516	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0291	0.3029	0.2147	2.5000e-004		0.0161	0.0161		0.0148	0.0148	0.0000	22.4674	22.4674	6.9900e-003	0.0000	22.6143
Total	0.0291	0.3029	0.2147	2.5000e-004	0.1022	0.0161	0.1183	0.0516	0.0148	0.0663	0.0000	22.4674	22.4674	6.9900e-003	0.0000	22.6143

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	0.0434	0.6463	0.5425	1.9100e-003	0.0960	9.7200e-003	0.1057	0.0248	8.9500e-003	0.0338	0.0000	169.2590	169.2590	1.2900e-003	0.0000	169.2861
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.9000e-004	7.3000e-004	7.6200e-003	2.0000e-005	1.5300e-003	1.0000e-005	1.5500e-003	4.1000e-004	1.0000e-005	4.2000e-004	0.0000	1.3881	1.3881	7.0000e-005	0.0000	1.3896
Total	0.0439	0.6470	0.5501	1.9300e-003	0.0975	9.7300e-003	0.1073	0.0252	8.9600e-003	0.0342	0.0000	170.6470	170.6470	1.3600e-003	0.0000	170.6758

3.5 Grading EO - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.3332	0.0000	0.3332	0.1707	0.0000	0.1707	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0471	0.4947	0.3295	3.5000e-004		0.0267	0.0267		0.0245	0.0245	0.0000	32.6403	32.6403	0.0100	0.0000	32.8503
Total	0.0471	0.4947	0.3295	3.5000e-004	0.3332	0.0267	0.3599	0.1707	0.0245	0.1952	0.0000	32.6403	32.6403	0.0100	0.0000	32.8503

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	0.1664	0.1323	4.6000e-004	0.0240	2.3300e-003	0.0263	6.1900e-003	2.1400e-003	8.3300e-003	0.0000	41.1716	41.1716	3.1000e-004	0.0000	41.1780
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	7.8000e-004	1.1500e-003	0.0120	3.0000e-005	2.1900e-003	2.0000e-005	2.2100e-003	5.8000e-004	2.0000e-005	6.0000e-004	0.0000	2.0584	2.0584	1.1000e-004	0.0000	2.0608
Total	0.0114	0.1676	0.1443	4.9000e-004	0.0262	2.3500e-003	0.0285	6.7700e-003	2.1600e-003	8.9300e-003	0.0000	43.2300	43.2300	4.2000e-004	0.0000	43.2388

3.5 Grading EO - 2017

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1500	0.0000	0.1500	0.0768	0.0000	0.0768	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0471	0.4947	0.3295	3.5000e-004		0.0267	0.0267		0.0245	0.0245	0.0000	32.6402	32.6402	0.0100	0.0000	32.8503
Total	0.0471	0.4947	0.3295	3.5000e-004	0.1500	0.0267	0.1766	0.0768	0.0245	0.1013	0.0000	32.6402	32.6402	0.0100	0.0000	32.8503

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	0.1664	0.1323	4.6000e-004	0.0240	2.3300e-003	0.0263	6.1900e-003	2.1400e-003	8.3300e-003	0.0000	41.1716	41.1716	3.1000e-004	0.0000	41.1780
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	7.8000e-004	1.1500e-003	0.0120	3.0000e-005	2.1900e-003	2.0000e-005	2.2100e-003	5.8000e-004	2.0000e-005	6.0000e-004	0.0000	2.0584	2.0584	1.1000e-004	0.0000	2.0608
Total	0.0114	0.1676	0.1443	4.9000e-004	0.0262	2.3500e-003	0.0285	6.7700e-003	2.1600e-003	8.9300e-003	0.0000	43.2300	43.2300	4.2000e-004	0.0000	43.2388

3.5 Grading EO - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.3332	0.0000	0.3332	0.1707	0.0000	0.1707	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0707	0.7355	0.5214	6.0000e-004		0.0390	0.0390		0.0359	0.0359	0.0000	54.5637	54.5637	0.0170	0.0000	54.9204
Total	0.0707	0.7355	0.5214	6.0000e-004	0.3332	0.0390	0.3722	0.1707	0.0359	0.2066	0.0000	54.5637	54.5637	0.0170	0.0000	54.9204

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	0.0176	0.2629	0.2206	7.8000e-004	0.0258	3.9600e-003	0.0297	6.8400e-003	3.6400e-003	0.0105	0.0000	68.8421	68.8421	5.3000e-004	0.0000	68.8531
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	1.1900e-003	1.7800e-003	0.0185	5.0000e-005	3.7300e-003	3.0000e-005	3.7600e-003	9.9000e-004	3.0000e-005	1.0200e-003	0.0000	3.3711	3.3711	1.8000e-004	0.0000	3.3748
Total	0.0188	0.2646	0.2391	8.3000e-004	0.0295	3.9900e-003	0.0335	7.8300e-003	3.6700e-003	0.0115	0.0000	72.2131	72.2131	7.1000e-004	0.0000	72.2279

3.5 Grading EO - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1500	0.0000	0.1500	0.0768	0.0000	0.0768	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0707	0.7355	0.5214	6.0000e-004		0.0390	0.0390		0.0359	0.0359	0.0000	54.5636	54.5636	0.0170	0.0000	54.9203
Total	0.0707	0.7355	0.5214	6.0000e-004	0.1500	0.0390	0.1890	0.0768	0.0359	0.1127	0.0000	54.5636	54.5636	0.0170	0.0000	54.9203

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	0.0176	0.2629	0.2206	7.8000e-004	0.0258	3.9600e-003	0.0297	6.8400e-003	3.6400e-003	0.0105	0.0000	68.8421	68.8421	5.3000e-004	0.0000	68.8531
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	1.1900e-003	1.7800e-003	0.0185	5.0000e-005	3.7300e-003	3.0000e-005	3.7600e-003	9.9000e-004	3.0000e-005	1.0200e-003	0.0000	3.3711	3.3711	1.8000e-004	0.0000	3.3748
Total	0.0188	0.2646	0.2391	8.3000e-004	0.0295	3.9900e-003	0.0335	7.8300e-003	3.6700e-003	0.0115	0.0000	72.2131	72.2131	7.1000e-004	0.0000	72.2279

3.6 Building Construction DC - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2918	1.9569	1.5634	2.4800e-003		0.1190	0.1190		0.1149	0.1149	0.0000	207.2189	207.2189	0.0416	0.0000	208.0927
Total	0.2918	1.9569	1.5634	2.4800e-003		0.1190	0.1190		0.1149	0.1149	0.0000	207.2189	207.2189	0.0416	0.0000	208.0927

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	0.0522	0.5194	0.7318	1.4800e-003	0.0416	7.8200e-003	0.0494	0.0119	7.1900e-003	0.0191	0.0000	130.6279	130.6279	9.7000e-004	0.0000	130.6482
Worker	0.0559	0.0835	0.8669	2.2200e-003	0.1746	1.5600e-003	0.1762	0.0464	1.4500e-003	0.0478	0.0000	157.9739	157.9739	8.3000e-003	0.0000	158.1483
Total	0.1081	0.6028	1.5987	3.7000e-003	0.2162	9.3800e-003	0.2256	0.0582	8.6400e-003	0.0669	0.0000	288.6018	288.6018	9.2700e-003	0.0000	288.7965

3.6 Building Construction DC - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2918	1.9569	1.5634	2.4800e-003		0.1190	0.1190		0.1149	0.1149	0.0000	207.2187	207.2187	0.0416	0.0000	208.0924
Total	0.2918	1.9569	1.5634	2.4800e-003		0.1190	0.1190		0.1149	0.1149	0.0000	207.2187	207.2187	0.0416	0.0000	208.0924

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	0.0522	0.5194	0.7318	1.4800e-003	0.0416	7.8200e-003	0.0494	0.0119	7.1900e-003	0.0191	0.0000	130.6279	130.6279	9.7000e-004	0.0000	130.6482
Worker	0.0559	0.0835	0.8669	2.2200e-003	0.1746	1.5600e-003	0.1762	0.0464	1.4500e-003	0.0478	0.0000	157.9739	157.9739	8.3000e-003	0.0000	158.1483
Total	0.1081	0.6028	1.5987	3.7000e-003	0.2162	9.3800e-003	0.2256	0.0582	8.6400e-003	0.0669	0.0000	288.6018	288.6018	9.2700e-003	0.0000	288.7965

3.6 Building Construction DC - 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	0.0147	0.1032	0.0874	1.4000e-004		5.9300e-003	5.9300e-003		5.7200e-003	5.7200e-003	0.0000	11.8450	11.8450	2.2700e-003	0.0000	11.8927
Total	0.0147	0.1032	0.0874	1.4000e-004		5.9300e-003	5.9300e-003		5.7200e-003	5.7200e-003	0.0000	11.8450	11.8450	2.2700e-003	0.0000	11.8927

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.8500e-003	0.0276	0.0407	8.0000e-005	2.3900e-003	4.3000e-004	2.8200e-003	6.8000e-004	3.9000e-004	1.0800e-003	0.0000	7.3598	7.3598	5.0000e-005	0.0000	7.3609
Worker	2.9500e-003	4.4000e-003	0.0457	1.3000e-004	0.0100	9.0000e-005	0.0101	2.6700e-003	8.0000e-005	2.7500e-003	0.0000	8.7305	8.7305	4.5000e-004	0.0000	8.7399
Total	5.8000e-003	0.0320	0.0864	2.1000e-004	0.0124	5.2000e-004	0.0130	3.3500e-003	4.7000e-004	3.8300e-003	0.0000	16.0903	16.0903	5.0000e-004	0.0000	16.1008

3.6 Building Construction DC - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0147	0.1032	0.0874	1.4000e-004		5.9300e-003	5.9300e-003		5.7200e-003	5.7200e-003	0.0000	11.8450	11.8450	2.2700e-003	0.0000	11.8927
Total	0.0147	0.1032	0.0874	1.4000e-004		5.9300e-003	5.9300e-003		5.7200e-003	5.7200e-003	0.0000	11.8450	11.8450	2.2700e-003	0.0000	11.8927

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.8500e-003	0.0276	0.0407	8.0000e-005	2.3900e-003	4.3000e-004	2.8200e-003	6.8000e-004	3.9000e-004	1.0800e-003	0.0000	7.3598	7.3598	5.0000e-005	0.0000	7.3609
Worker	2.9500e-003	4.4000e-003	0.0457	1.3000e-004	0.0100	9.0000e-005	0.0101	2.6700e-003	8.0000e-005	2.7500e-003	0.0000	8.7305	8.7305	4.5000e-004	0.0000	8.7399
Total	5.8000e-003	0.0320	0.0864	2.1000e-004	0.0124	5.2000e-004	0.0130	3.3500e-003	4.7000e-004	3.8300e-003	0.0000	16.0903	16.0903	5.0000e-004	0.0000	16.1008

3.7 Construction EO - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2518	1.6884	1.3490	2.1400e-003		0.1027	0.1027		0.0992	0.0992	0.0000	178.7951	178.7951	0.0359	0.0000	179.5490
Total	0.2518	1.6884	1.3490	2.1400e-003		0.1027	0.1027		0.0992	0.0992	0.0000	178.7951	178.7951	0.0359	0.0000	179.5490

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	0.0450	0.4481	0.6315	1.2800e-003	0.0359	6.7400e-003	0.0426	0.0102	6.2000e-003	0.0164	0.0000	112.7099	112.7099	8.4000e-004	0.0000	112.7275
Worker	0.0482	0.0720	0.7480	1.9100e-003	0.1507	1.3500e-003	0.1520	0.0400	1.2500e-003	0.0413	0.0000	136.3049	136.3049	7.1600e-003	0.0000	136.4554
Total	0.0933	0.5201	1.3795	3.1900e-003	0.1866	8.0900e-003	0.1946	0.0503	7.4500e-003	0.0577	0.0000	249.0148	249.0148	8.0000e-003	0.0000	249.1828

3.7 Construction EO - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2518	1.6884	1.3490	2.1400e-003		0.1027	0.1027		0.0992	0.0992	0.0000	178.7949	178.7949	0.0359	0.0000	179.5488
Total	0.2518	1.6884	1.3490	2.1400e-003		0.1027	0.1027		0.0992	0.0992	0.0000	178.7949	178.7949	0.0359	0.0000	179.5488

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	0.0450	0.4481	0.6315	1.2800e-003	0.0359	6.7400e-003	0.0426	0.0102	6.2000e-003	0.0164	0.0000	112.7099	112.7099	8.4000e-004	0.0000	112.7275
Worker	0.0482	0.0720	0.7480	1.9100e-003	0.1507	1.3500e-003	0.1520	0.0400	1.2500e-003	0.0413	0.0000	136.3049	136.3049	7.1600e-003	0.0000	136.4554
Total	0.0933	0.5201	1.3795	3.1900e-003	0.1866	8.0900e-003	0.1946	0.0503	7.4500e-003	0.0577	0.0000	249.0148	249.0148	8.0000e-003	0.0000	249.1828

3.7 Construction EO - 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	0.0826	0.5797	0.4909	8.0000e-004		0.0333	0.0333		0.0322	0.0322	0.0000	66.5142	66.5142	0.0128	0.0000	66.7819
Total	0.0826	0.5797	0.4909	8.0000e-004		0.0333	0.0333		0.0322	0.0322	0.0000	66.5142	66.5142	0.0128	0.0000	66.7819

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	0.0160	0.1547	0.2286	4.8000e-004	0.0134	2.4000e-003	0.0158	3.8300e-003	2.2100e-003	6.0400e-003	0.0000	41.3278	41.3278	3.1000e-004	0.0000	41.3342
Worker	0.0166	0.0247	0.2566	7.1000e-004	0.0564	4.9000e-004	0.0569	0.0150	4.6000e-004	0.0154	0.0000	49.0253	49.0253	2.5100e-003	0.0000	49.0780
Total	0.0325	0.1794	0.4852	1.1900e-003	0.0698	2.8900e-003	0.0727	0.0188	2.6700e-003	0.0215	0.0000	90.3531	90.3531	2.8200e-003	0.0000	90.4122

3.7 Construction EO - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0826	0.5797	0.4909	8.0000e-004		0.0333	0.0333		0.0322	0.0322	0.0000	66.5141	66.5141	0.0128	0.0000	66.7818
Total	0.0826	0.5797	0.4909	8.0000e-004		0.0333	0.0333		0.0322	0.0322	0.0000	66.5141	66.5141	0.0128	0.0000	66.7818

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	0.0160	0.1547	0.2286	4.8000e-004	0.0134	2.4000e-003	0.0158	3.8300e-003	2.2100e-003	6.0400e-003	0.0000	41.3278	41.3278	3.1000e-004	0.0000	41.3342
Worker	0.0166	0.0247	0.2566	7.1000e-004	0.0564	4.9000e-004	0.0569	0.0150	4.6000e-004	0.0154	0.0000	49.0253	49.0253	2.5100e-003	0.0000	49.0780
Total	0.0325	0.1794	0.4852	1.1900e-003	0.0698	2.8900e-003	0.0727	0.0188	2.6700e-003	0.0215	0.0000	90.3531	90.3531	2.8200e-003	0.0000	90.4122

3.8 Architectural Coating EO - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.2665					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0125	0.0842	0.0779	1.2000e-004		6.3200e-003	6.3200e-003		6.3200e-003	6.3200e-003	0.0000	10.7237	10.7237	1.0200e-003	0.0000	10.7451
Total	0.2790	0.0842	0.0779	1.2000e-004		6.3200e-003	6.3200e-003		6.3200e-003	6.3200e-003	0.0000	10.7237	10.7237	1.0200e-003	0.0000	10.7451

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	4.1300e-003	6.1600e-003	0.0640	1.6000e-004	0.0129	1.2000e-004	0.0130	3.4200e-003	1.1000e-004	3.5300e-003	0.0000	11.6599	11.6599	6.1000e-004	0.0000	11.6728
Total	4.1300e-003	6.1600e-003	0.0640	1.6000e-004	0.0129	1.2000e-004	0.0130	3.4200e-003	1.1000e-004	3.5300e-003	0.0000	11.6599	11.6599	6.1000e-004	0.0000	11.6728

3.8 Architectural Coating EO - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.2665					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0125	0.0842	0.0779	1.2000e-004		6.3200e-003	6.3200e-003		6.3200e-003	6.3200e-003	0.0000	10.7237	10.7237	1.0200e-003	0.0000	10.7451
Total	0.2790	0.0842	0.0779	1.2000e-004		6.3200e-003	6.3200e-003		6.3200e-003	6.3200e-003	0.0000	10.7237	10.7237	1.0200e-003	0.0000	10.7451

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	4.1300e-003	6.1600e-003	0.0640	1.6000e-004	0.0129	1.2000e-004	0.0130	3.4200e-003	1.1000e-004	3.5300e-003	0.0000	11.6599	11.6599	6.1000e-004	0.0000	11.6728
Total	4.1300e-003	6.1600e-003	0.0640	1.6000e-004	0.0129	1.2000e-004	0.0130	3.4200e-003	1.1000e-004	3.5300e-003	0.0000	11.6599	11.6599	6.1000e-004	0.0000	11.6728

3.8 Architectural Coating EO - 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					
Archit. Coating	0.5774					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0243	0.1670	0.1676	2.7000e-004		0.0117	0.0117		0.0117	0.0117	0.0000	23.2346	23.2346	1.9600e-003	0.0000	23.2758
Total	0.6016	0.1670	0.1676	2.7000e-004		0.0117	0.0117		0.0117	0.0117	0.0000	23.2346	23.2346	1.9600e-003	0.0000	23.2758

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	8.2000e-003	0.0122	0.1270	3.5000e-004	0.0279	2.4000e-004	0.0282	7.4200e-003	2.3000e-004	7.6400e-003	0.0000	24.2721	24.2721	1.2400e-003	0.0000	24.2982
Total	8.2000e-003	0.0122	0.1270	3.5000e-004	0.0279	2.4000e-004	0.0282	7.4200e-003	2.3000e-004	7.6400e-003	0.0000	24.2721	24.2721	1.2400e-003	0.0000	24.2982

3.8 Architectural Coating EO - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.5774					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0243	0.1670	0.1676	2.7000e-004		0.0117	0.0117		0.0117	0.0117	0.0000	23.2346	23.2346	1.9600e-003	0.0000	23.2758
Total	0.6016	0.1670	0.1676	2.7000e-004		0.0117	0.0117		0.0117	0.0117	0.0000	23.2346	23.2346	1.9600e-003	0.0000	23.2758

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	8.2000e-003	0.0122	0.1270	3.5000e-004	0.0279	2.4000e-004	0.0282	7.4200e-003	2.3000e-004	7.6400e-003	0.0000	24.2721	24.2721	1.2400e-003	0.0000	24.2982
Total	8.2000e-003	0.0122	0.1270	3.5000e-004	0.0279	2.4000e-004	0.0282	7.4200e-003	2.3000e-004	7.6400e-003	0.0000	24.2721	24.2721	1.2400e-003	0.0000	24.2982

3.9 Architectural Coating DC - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.2829					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.9600e-003	0.0602	0.0556	9.0000e-005		4.5200e-003	4.5200e-003		4.5200e-003	4.5200e-003	0.0000	7.6598	7.6598	7.3000e-004	0.0000	7.6751
Total	0.2918	0.0602	0.0556	9.0000e-005		4.5200e-003	4.5200e-003		4.5200e-003	4.5200e-003	0.0000	7.6598	7.6598	7.3000e-004	0.0000	7.6751

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	2.9500e-003	4.4000e-003	0.0457	1.2000e-004	9.2000e-003	8.0000e-005	9.2900e-003	2.4400e-003	8.0000e-005	2.5200e-003	0.0000	8.3285	8.3285	4.4000e-004	0.0000	8.3377
Total	2.9500e-003	4.4000e-003	0.0457	1.2000e-004	9.2000e-003	8.0000e-005	9.2900e-003	2.4400e-003	8.0000e-005	2.5200e-003	0.0000	8.3285	8.3285	4.4000e-004	0.0000	8.3377

3.9 Architectural Coating DC - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.2829					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.9600e-003	0.0602	0.0556	9.0000e-005		4.5200e-003	4.5200e-003		4.5200e-003	4.5200e-003	0.0000	7.6598	7.6598	7.3000e-004	0.0000	7.6751
Total	0.2918	0.0602	0.0556	9.0000e-005		4.5200e-003	4.5200e-003		4.5200e-003	4.5200e-003	0.0000	7.6598	7.6598	7.3000e-004	0.0000	7.6751

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	2.9500e-003	4.4000e-003	0.0457	1.2000e-004	9.2000e-003	8.0000e-005	9.2900e-003	2.4400e-003	8.0000e-005	2.5200e-003	0.0000	8.3285	8.3285	4.4000e-004	0.0000	8.3377
Total	2.9500e-003	4.4000e-003	0.0457	1.2000e-004	9.2000e-003	8.0000e-005	9.2900e-003	2.4400e-003	8.0000e-005	2.5200e-003	0.0000	8.3285	8.3285	4.4000e-004	0.0000	8.3377

3.9 Architectural Coating DC - 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					
Archit. Coating	0.5610					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0159	0.1092	0.1096	1.8000e-004		7.6600e-003	7.6600e-003		7.6600e-003	7.6600e-003	0.0000	15.1919	15.1919	1.2800e-003	0.0000	15.2188
Total	0.5768	0.1092	0.1096	1.8000e-004		7.6600e-003	7.6600e-003		7.6600e-003	7.6600e-003	0.0000	15.1919	15.1919	1.2800e-003	0.0000	15.2188

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	5.3600e-003	8.0000e-003	0.0831	2.3000e-004	0.0183	1.6000e-004	0.0184	4.8500e-003	1.5000e-004	5.0000e-003	0.0000	15.8702	15.8702	8.1000e-004	0.0000	15.8873
Total	5.3600e-003	8.0000e-003	0.0831	2.3000e-004	0.0183	1.6000e-004	0.0184	4.8500e-003	1.5000e-004	5.0000e-003	0.0000	15.8702	15.8702	8.1000e-004	0.0000	15.8873

3.9 Architectural Coating DC - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.5610					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0159	0.1092	0.1096	1.8000e-004		7.6600e-003	7.6600e-003		7.6600e-003	7.6600e-003	0.0000	15.1918	15.1918	1.2800e-003	0.0000	15.2188
Total	0.5768	0.1092	0.1096	1.8000e-004		7.6600e-003	7.6600e-003		7.6600e-003	7.6600e-003	0.0000	15.1918	15.1918	1.2800e-003	0.0000	15.2188

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	5.3600e-003	8.0000e-003	0.0831	2.3000e-004	0.0183	1.6000e-004	0.0184	4.8500e-003	1.5000e-004	5.0000e-003	0.0000	15.8702	15.8702	8.1000e-004	0.0000	15.8873
Total	5.3600e-003	8.0000e-003	0.0831	2.3000e-004	0.0183	1.6000e-004	0.0184	4.8500e-003	1.5000e-004	5.0000e-003	0.0000	15.8702	15.8702	8.1000e-004	0.0000	15.8873

3.10 Paving DC - 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	0.0268	0.2715	0.2634	4.0000e-004		0.0155	0.0155		0.0143	0.0143	0.0000	35.5314	35.5314	0.0110	0.0000	35.7629
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0268	0.2715	0.2634	4.0000e-004		0.0155	0.0155		0.0143	0.0143	0.0000	35.5314	35.5314	0.0110	0.0000	35.7629

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	1.2500e-003	1.8700e-003	0.0194	5.0000e-005	4.2700e-003	4.0000e-005	4.3100e-003	1.1400e-003	3.0000e-005	1.1700e-003	0.0000	3.7151	3.7151	1.9000e-004	0.0000	3.7191
Total	1.2500e-003	1.8700e-003	0.0194	5.0000e-005	4.2700e-003	4.0000e-005	4.3100e-003	1.1400e-003	3.0000e-005	1.1700e-003	0.0000	3.7151	3.7151	1.9000e-004	0.0000	3.7191

3.10 Paving DC - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0268	0.2715	0.2634	4.0000e-004		0.0155	0.0155		0.0143	0.0143	0.0000	35.5314	35.5314	0.0110	0.0000	35.7629
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0268	0.2715	0.2634	4.0000e-004		0.0155	0.0155		0.0143	0.0143	0.0000	35.5314	35.5314	0.0110	0.0000	35.7629

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	1.2500e-003	1.8700e-003	0.0194	5.0000e-005	4.2700e-003	4.0000e-005	4.3100e-003	1.1400e-003	3.0000e-005	1.1700e-003	0.0000	3.7151	3.7151	1.9000e-004	0.0000	3.7191
Total	1.2500e-003	1.8700e-003	0.0194	5.0000e-005	4.2700e-003	4.0000e-005	4.3100e-003	1.1400e-003	3.0000e-005	1.1700e-003	0.0000	3.7151	3.7151	1.9000e-004	0.0000	3.7191

3.11 Paving EO - 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	0.0272	0.2760	0.2678	4.1000e-004		0.0158	0.0158		0.0145	0.0145	0.0000	36.1236	36.1236	0.0112	0.0000	36.3590
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0272	0.2760	0.2678	4.1000e-004		0.0158	0.0158		0.0145	0.0145	0.0000	36.1236	36.1236	0.0112	0.0000	36.3590

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	1.2800e-003	1.9000e-003	0.0198	6.0000e-005	4.3400e-003	4.0000e-005	4.3800e-003	1.1500e-003	4.0000e-005	1.1900e-003	0.0000	3.7770	3.7770	1.9000e-004	0.0000	3.7811
Total	1.2800e-003	1.9000e-003	0.0198	6.0000e-005	4.3400e-003	4.0000e-005	4.3800e-003	1.1500e-003	4.0000e-005	1.1900e-003	0.0000	3.7770	3.7770	1.9000e-004	0.0000	3.7811

3.11 Paving EO - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0272	0.2760	0.2678	4.1000e-004		0.0158	0.0158		0.0145	0.0145	0.0000	36.1236	36.1236	0.0112	0.0000	36.3589
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0272	0.2760	0.2678	4.1000e-004		0.0158	0.0158		0.0145	0.0145	0.0000	36.1236	36.1236	0.0112	0.0000	36.3589

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	1.2800e-003	1.9000e-003	0.0198	6.0000e-005	4.3400e-003	4.0000e-005	4.3800e-003	1.1500e-003	4.0000e-005	1.1900e-003	0.0000	3.7770	3.7770	1.9000e-004	0.0000	3.7811
Total	1.2800e-003	1.9000e-003	0.0198	6.0000e-005	4.3400e-003	4.0000e-005	4.3800e-003	1.1500e-003	4.0000e-005	1.1900e-003	0.0000	3.7770	3.7770	1.9000e-004	0.0000	3.7811

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	0.5291	1.4455	5.7384	0.0164	1.0805	0.0229	1.1033	0.2894	0.0211	0.3105	0.0000	1,152.4740	1,152.4740	0.0433	0.0000	1,153.3832
Unmitigated	0.5291	1.4455	5.7384	0.0164	1.0805	0.0229	1.1033	0.2894	0.0211	0.3105	0.0000	1,152.4740	1,152.4740	0.0433	0.0000	1,153.3832

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Enclosed Parking with Elevator	0.00	0.00	0.00		
Enclosed Parking with Elevator	0.00	0.00	0.00		
Fast Food Restaurant w/o Drive Thru	204.46	696.00	500.00	572,460	572,460
General Office Building	800.39	237.71	98.29	1,911,178	1,911,178
General Office Building	153.30	45.53	18.83	366,039	366,039
Total	1,158.15	979.24	617.12	2,849,677	2,849,677

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
Enclosed Parking with Elevator	15.20	8.40	6.90	0.00	0.00	0.00	0	0	0
Enclosed Parking with Elevator	15.20	8.40	6.90	0.00	0.00	0.00	0	0	0
Fast Food Restaurant w/o Drive	15.20	8.40	6.90	1.50	79.50	19.00	51	37	12
General Office Building	15.20	8.40	6.90	33.00	48.00	19.00	77	19	4
General Office Building	15.20	8.40	6.90	33.00	48.00	19.00	77	19	4

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.530094	0.057664	0.178835	0.124843	0.039181	0.006319	0.017052	0.034445	0.002509	0.003148	0.003693	0.000531	0.001685

5.0 Energy Detail

5.1 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	1,015.3030	1,015.3030	0.0467	9.6600e-003	1,019.2764
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	1,015.3030	1,015.3030	0.0467	9.6600e-003	1,019.2764
NaturalGas Mitigated	7.6000e-003	0.0691	0.0580	4.1000e-004		5.2500e-003	5.2500e-003		5.2500e-003	5.2500e-003	0.0000	75.2179	75.2179	1.4400e-003	1.3800e-003	75.6757
NaturalGas Unmitigated	7.6000e-003	0.0691	0.0580	4.1000e-004		5.2500e-003	5.2500e-003		5.2500e-003	5.2500e-003	0.0000	75.2179	75.2179	1.4400e-003	1.3800e-003	75.6757

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Fast Food Restaurant w/o Drive Thru	263430	1.4200e-003	0.0129	0.0109	8.0000e-005		9.8000e-004	9.8000e-004		9.8000e-004	9.8000e-004	0.0000	14.0576	14.0576	2.7000e-004	2.6000e-004	14.1432
General Office Building	184224	9.9000e-004	9.0300e-003	7.5900e-003	5.0000e-005		6.9000e-004	6.9000e-004		6.9000e-004	6.9000e-004	0.0000	9.8309	9.8309	1.9000e-004	1.8000e-004	9.8907
General Office Building	961877	5.1900e-003	0.0472	0.0396	2.8000e-004		3.5800e-003	3.5800e-003		3.5800e-003	3.5800e-003	0.0000	51.3294	51.3294	9.8000e-004	9.4000e-004	51.6418
Total		7.6000e-003	0.0691	0.0581	4.1000e-004		5.2500e-003	5.2500e-003		5.2500e-003	5.2500e-003	0.0000	75.2179	75.2179	1.4400e-003	1.3800e-003	75.6757

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Fast Food Restaurant w/o Drive Thru	263430	1.4200e-003	0.0129	0.0109	8.0000e-005		9.8000e-004	9.8000e-004		9.8000e-004	9.8000e-004	0.0000	14.0576	14.0576	2.7000e-004	2.6000e-004	14.1432
General Office Building	184224	9.9000e-004	9.0300e-003	7.5900e-003	5.0000e-005		6.9000e-004	6.9000e-004		6.9000e-004	6.9000e-004	0.0000	9.8309	9.8309	1.9000e-004	1.8000e-004	9.8907
General Office Building	961877	5.1900e-003	0.0472	0.0396	2.8000e-004		3.5800e-003	3.5800e-003		3.5800e-003	3.5800e-003	0.0000	51.3294	51.3294	9.8000e-004	9.4000e-004	51.6418
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
Total		7.6000e-003	0.0691	0.0581	4.1000e-004		5.2500e-003	5.2500e-003		5.2500e-003	5.2500e-003	0.0000	75.2179	75.2179	1.4400e-003	1.3800e-003	75.6757

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Enclosed Parking with Elevator	1.40192e+006	401.1831	0.0184	3.8200e-003	402.7531
Enclosed Parking with Elevator	239944	68.6640	3.1600e-003	6.5000e-004	68.9328
Fast Food Restaurant w/o Drive Thru	39330	11.2549	5.2000e-004	1.1000e-004	11.2990
General Office Building	1.56669e+006	448.3337	0.0206	4.2600e-003	450.0882
General Office Building	300060	85.8673	3.9500e-003	8.2000e-004	86.2033
Total		1,015.3030	0.0467	9.6600e-003	1,019.2764

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Enclosed Parking with Elevator	1.40192e+006	401.1831	0.0184	3.8200e-003	402.7531
Enclosed Parking with Elevator	239944	68.6640	3.1600e-003	6.5000e-004	68.9328
Fast Food Restaurant w/o Drive Thru	39330	11.2549	5.2000e-004	1.1000e-004	11.2990
General Office Building	1.56669e+006	448.3337	0.0206	4.2600e-003	450.0882
General Office Building	300060	85.8673	3.9500e-003	8.2000e-004	86.2033
Total		1,015.3030	0.0467	9.6600e-003	1,019.2764

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	1.4010	9.0000e-005	9.3700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0181	0.0181	5.0000e-005	0.0000	0.0191
Unmitigated	1.6541	9.0000e-005	9.3700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0181	0.0181	5.0000e-005	0.0000	0.0191

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	0.3375					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.3157					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	8.8000e-004	9.0000e-005	9.3700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0181	0.0181	5.0000e-005	0.0000	0.0191
Total	1.6541	9.0000e-005	9.3700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0181	0.0181	5.0000e-005	0.0000	0.0191

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0844					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.3157					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	8.8000e-004	9.0000e-005	9.3700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0181	0.0181	5.0000e-005	0.0000	0.0191
Total	1.4010	9.0000e-005	9.3700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0181	0.0181	5.0000e-005	0.0000	0.0191

7.0 Water Detail

7.1 Mitigation Measures Water

Use Grey Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	87.1137	0.7056	0.0173	107.2983
Unmitigated	128.5657	0.7076	0.0177	148.9234

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
Fast Food Restaurant w/o Drive Thru	0.303534 / 0.0193745	1.2889	9.9500e-003	2.4000e-004	1.5737
General Office Building	21.241 / 13.0187	127.2768	0.6977	0.0175	147.3497
Total		128.5657	0.7076	0.0177	148.9234

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
Fast Food Restaurant w/o Drive Thru	0.303534 / 0	1.2273	9.9400e-003	2.4000e-004	1.5117
General Office Building	21.241 / 0	85.8864	0.6957	0.0171	105.7866
Total		87.1137	0.7056	0.0173	107.2982

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	24.8989	1.4715	0.0000	55.8000
Unmitigated	24.8989	1.4715	0.0000	55.8000

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Fast Food Restaurant w/o Drive Thru	11.52	2.3385	0.1382	0.0000	5.2406
General Office Building	111.14	22.5604	1.3333	0.0000	50.5594
Total		24.8989	1.4715	0.0000	55.8000

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Fast Food Restaurant w/o Drive-Thru	11.52	2.3385	0.1382	0.0000	5.2406
General Office Building	111.14	22.5604	1.3333	0.0000	50.5594
Total		24.8989	1.4715	0.0000	55.8000

9.0 Operational Offroad

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

Skechers - Manhattan Beach Components
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	20.33	1000sqft	1.20	20,328.00	0
General Office Building	37.17	1000sqft	0.65	37,174.00	0
Enclosed Parking with Elevator	199.00	Space	0.00	79,600.00	0
Enclosed Parking with Elevator	127.00	Space	0.00	50,800.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	8			Operational Year	2020
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	630.89	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - From Project description, site plan and traffic study (LLG 2016)

Construction Phase - Per applicant provided construction schedule

Off-road Equipment -

Trips and VMT -

Demolition - from LLG Traffic Study (2016)

Car wash and Auto Care Center not included because already demolished

Grading - 52,500 total export from PD

Architectural Coating - Assumed Compliance with amended SCAQMD Rule 1113

Vehicle Trips - Trip rate from traffic study and 15.2 from Traffic Study by LLG (2016) Table F.

Area Coating - Assume compliance with amended SCAQMD Rule 1113

Construction Off-road Equipment Mitigation - Assumed compliance with Rule 403

Mobile Land Use Mitigation -

Area Mitigation - Assumed compliance with amended SCAQMD rule 1113

Energy Mitigation -

Water Mitigation - Grey Water use on all outdoor landscaping

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblArchitecturalCoating	EF_Residential_Exterior	100.00	50.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	50
tblAreaMitigation	UseLowVOCPaintNonresidentialInteriorValue	250	50
tblAreaMitigation	UseLowVOCPaintResidentialExteriorValue	100	50
tblConstructionPhase	NumDays	10.00	197.00
tblConstructionPhase	NumDays	200.00	244.00
tblConstructionPhase	NumDays	4.00	124.00
tblConstructionPhase	NumDays	10.00	85.00

tblConstructionPhase	PhaseEndDate	5/7/2019	1/16/2019
tblConstructionPhase	PhaseEndDate	9/24/2018	8/3/2018
tblConstructionPhase	PhaseEndDate	10/24/2017	10/17/2017
tblConstructionPhase	PhaseEndDate	5/15/2019	10/15/2018
tblConstructionPhase	PhaseStartDate	8/4/2018	4/17/2018
tblConstructionPhase	PhaseStartDate	10/18/2017	8/29/2017
tblConstructionPhase	PhaseStartDate	5/4/2017	4/27/2017
tblConstructionPhase	PhaseStartDate	1/17/2019	6/19/2018
tblGrading	MaterialExported	0.00	52,500.00
tblLandUse	LandUseSquareFeet	20,330.00	20,328.00
tblLandUse	LandUseSquareFeet	37,170.00	37,174.00
tblLandUse	LotAcreage	0.47	1.20
tblLandUse	LotAcreage	0.85	0.65
tblLandUse	LotAcreage	1.14	0.00
tblLandUse	LotAcreage	1.79	0.00
tblProjectCharacteristics	OperationalYear	2014	2020
tblVehicleTrips	WD_TR	11.01	11.65

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					
2017	6.3669	61.3577	47.6919	0.0933	6.9828	2.8864	9.6662	3.0804	2.6800	5.6337	0.0000	8,953.9310	8,953.9310	1.1083	0.0000	8,977.2055
2018	8.9305	32.4750	33.4302	0.0589	1.3224	1.8523	3.1747	0.3545	1.7653	2.1197	0.0000	5,370.9639	5,370.9639	0.9007	0.0000	5,389.8794
2019	4.7388	1.9056	2.5716	5.0200e-003	0.1677	0.1302	0.2979	0.0445	0.1301	0.1746	0.0000	436.4553	436.4553	0.0318	0.0000	437.1236
Total	20.0362	95.7382	83.6937	0.1572	8.4729	4.8689	13.1387	3.4794	4.5754	7.9280	0.0000	14,761.3503	14,761.3503	2.0409	0.0000	14,804.2085

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					
2017	6.3669	61.3577	47.6919	0.0933	4.2536	2.8864	6.7929	1.6874	2.6800	4.1897	0.0000	8,953.9310	8,953.9310	1.1083	0.0000	8,977.2055
2018	8.9305	32.4750	33.4302	0.0589	1.3224	1.8523	3.1747	0.3545	1.7653	2.1197	0.0000	5,370.9639	5,370.9639	0.9007	0.0000	5,389.8794
2019	4.7388	1.9056	2.5716	5.0200e-003	0.1677	0.1302	0.2979	0.0445	0.1301	0.1746	0.0000	436.4553	436.4553	0.0318	0.0000	437.1236
Total	20.0362	95.7382	83.6937	0.1572	5.7437	4.8689	10.2654	2.0863	4.5754	6.4840	0.0000	14,761.3503	14,761.3503	2.0409	0.0000	14,804.2085

	ROG	NOx	CO	SO2	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	32.21	0.00	21.87	40.04	0.00	18.21	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	4.6786	3.6000e-004	0.0394	0.0000		1.4000e-004	1.4000e-004		1.4000e-004	1.4000e-004		0.0839	0.0839	2.3000e-004		0.0887
Energy	0.0163	0.1481	0.1244	8.9000e-004		0.0113	0.0113		0.0113	0.0113		177.7419	177.7419	3.4100e-003	3.2600e-003	178.8236
Mobile	2.0529	5.7357	22.5435	0.0669	4.5843	0.0943	4.6786	1.2260	0.0869	1.3129		5,200.8338	5,200.8338	0.1961		5,204.9521
Total	6.7478	5.8842	22.7073	0.0678	4.5843	0.1057	4.6900	1.2260	0.0983	1.3243		5,378.6596	5,378.6596	0.1998	3.2600e-003	5,383.8643

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	3.9628	3.6000e-004	0.0394	0.0000		1.4000e-004	1.4000e-004		1.4000e-004	1.4000e-004		0.0839	0.0839	2.3000e-004		0.0887
Energy	0.0163	0.1481	0.1244	8.9000e-004		0.0113	0.0113		0.0113	0.0113		177.7419	177.7419	3.4100e-003	3.2600e-003	178.8236
Mobile	2.0529	5.7357	22.5435	0.0669	4.5843	0.0943	4.6786	1.2260	0.0869	1.3129		5,200.8338	5,200.8338	0.1961		5,204.9521
Total	6.0319	5.8842	22.7073	0.0678	4.5843	0.1057	4.6900	1.2260	0.0983	1.3243		5,378.6596	5,378.6596	0.1998	3.2600e-003	5,383.8643

	ROG	NOx	CO	SO2	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	10.61	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	4/6/2017	5/3/2017	5	20	
2	Grading	Grading	4/27/2017	10/17/2017	5	124	
3	Building Construction	Building Construction	8/29/2017	8/3/2018	5	244	
4	Architectural Coating	Architectural Coating	4/17/2018	1/16/2019	5	197	
5	Paving	Paving	6/19/2018	10/15/2018	5	85	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 46.5

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 281,853; Non-Residential Outdoor: 93,951 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	8.00	255	0.40
Demolition	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Grading	Graders	1	6.00	174	0.41
Grading	Rubber Tired Dozers	1	6.00	255	0.40
Grading	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Building Construction	Cranes	1	6.00	226	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
Paving	Cement and Mortar Mixers	1	6.00	9	0.56
Paving	Pavers	1	6.00	125	0.42
Paving	Paving Equipment	1	8.00	130	0.36
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	5	13.00	0.00	57.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	3	8.00	0.00	6,563.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	7	73.00	31.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.6114	0.0000	0.6114	0.0926	0.0000	0.0926			0.0000			0.0000
Off-Road	2.7216	26.5855	20.8712	0.0245		1.6062	1.6062		1.5022	1.5022		2,457.468 2	2,457.468 2	0.6235		2,470.562 0
Total	2.7216	26.5855	20.8712	0.0245	0.6114	1.6062	2.2176	0.0926	1.5022	1.5948		2,457.468 2	2,457.468 2	0.6235		2,470.562 0

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	0.0500	0.7596	0.6340	2.1200e-003	0.0496	0.0108	0.0605	0.0136	9.9600e-003	0.0236		210.5360	210.5360	1.5800e-003		210.5691
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	0.0540	0.0731	0.7641	1.7800e-003	0.1453	1.3200e-003	0.1466	0.0385	1.2100e-003	0.0398		145.1496	145.1496	8.0400e-003		145.3184
Total	0.1040	0.8326	1.3981	3.9000e-003	0.1950	0.0122	0.2071	0.0521	0.0112	0.0633		355.6856	355.6856	9.6200e-003		355.8875

3.2 Demolition - 2017

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2751	0.0000	0.2751	0.0417	0.0000	0.0417			0.0000			0.0000
Off-Road	2.7216	26.5855	20.8712	0.0245		1.6062	1.6062		1.5022	1.5022	0.0000	2,457.468 2	2,457.468 2	0.6235		2,470.562 0
Total	2.7216	26.5855	20.8712	0.0245	0.2751	1.6062	1.8813	0.0417	1.5022	1.5439	0.0000	2,457.468 2	2,457.468 2	0.6235		2,470.562 0

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	0.0500	0.7596	0.6340	2.1200e-003	0.0496	0.0108	0.0605	0.0136	9.9600e-003	0.0236		210.5360	210.5360	1.5800e-003		210.5691
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	0.0540	0.0731	0.7641	1.7800e-003	0.1453	1.3200e-003	0.1466	0.0385	1.2100e-003	0.0398		145.1496	145.1496	8.0400e-003		145.3184
Total	0.1040	0.8326	1.3981	3.9000e-003	0.1950	0.0122	0.2071	0.0521	0.0112	0.0633		355.6856	355.6856	9.6200e-003		355.8875

3.3 Grading - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Fugitive Dust					4.9621	0.0000	4.9621	2.5329	0.0000	2.5329			0.0000				0.0000
Off-Road	1.8844	19.7889	13.1786	0.0141		1.0661	1.0661		0.9808	0.9808		1,439.1894	1,439.1894	0.4410			1,448.4496
Total	1.8844	19.7889	13.1786	0.0141	4.9621	1.0661	6.0283	2.5329	0.9808	3.5137		1,439.1894	1,439.1894	0.4410			1,448.4496

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	0.9291	14.1058	11.7737	0.0394	0.9219	0.2012	1.1230	0.2524	0.1850	0.4375		3,909.8699	3,909.8699	0.0293			3,910.4845
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	0.0332	0.0450	0.4702	1.1000e-003	0.0894	8.1000e-004	0.0902	0.0237	7.5000e-004	0.0245		89.3228	89.3228	4.9500e-003			89.4267
Total	0.9623	14.1508	12.2440	0.0405	1.0113	0.2020	1.2133	0.2761	0.1858	0.4619		3,999.1928	3,999.1928	0.0342			3,999.9112

3.3 Grading - 2017

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.2330	0.0000	2.2330	1.1398	0.0000	1.1398			0.0000			0.0000
Off-Road	1.8844	19.7889	13.1786	0.0141		1.0661	1.0661		0.9808	0.9808	0.0000	1,439.189 4	1,439.189 4	0.4410		1,448.449 6
Total	1.8844	19.7889	13.1786	0.0141	2.2330	1.0661	3.2991	1.1398	0.9808	2.1206	0.0000	1,439.189 4	1,439.189 4	0.4410		1,448.449 6

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	0.9291	14.1058	11.7737	0.0394	0.9219	0.2012	1.1230	0.2524	0.1850	0.4375		3,909.869 9	3,909.869 9	0.0293		3,910.484 5
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	0.0332	0.0450	0.4702	1.1000e-003	0.0894	8.1000e-004	0.0902	0.0237	7.5000e-004	0.0245		89.3228	89.3228	4.9500e-003		89.4267
Total	0.9623	14.1508	12.2440	0.0405	1.0113	0.2020	1.2133	0.2761	0.1858	0.4619		3,999.192 8	3,999.192 8	0.0342		3,999.911 2

3.4 Building Construction - 2017**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.9546	19.1088	14.3110	0.0220		1.2257	1.2257		1.1823	1.1823		2,034.2860	2,034.2860	0.4268		2,043.2497
Total	2.9546	19.1088	14.3110	0.0220		1.2257	1.2257		1.1823	1.1823		2,034.2860	2,034.2860	0.4268		2,043.2497

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	0.2623	2.5338	3.6396	6.7600e-003	0.1934	0.0382	0.2316	0.0550	0.0351	0.0901		666.1920	666.1920	5.0000e-003		666.2969
Worker	0.3033	0.4104	4.2907	0.0100	0.8160	7.3900e-003	0.8234	0.2164	6.8200e-003	0.2232		815.0709	815.0709	0.0451		816.0188
Total	0.5656	2.9442	7.9303	0.0168	1.0094	0.0456	1.0549	0.2714	0.0419	0.3134		1,481.2629	1,481.2629	0.0501		1,482.3157

3.4 Building Construction - 2017

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.9546	19.1088	14.3110	0.0220		1.2257	1.2257		1.1823	1.1823	0.0000	2,034.2860	2,034.2860	0.4268		2,043.2497
Total	2.9546	19.1088	14.3110	0.0220		1.2257	1.2257		1.1823	1.1823	0.0000	2,034.2860	2,034.2860	0.4268		2,043.2497

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	0.2623	2.5338	3.6396	6.7600e-003	0.1934	0.0382	0.2316	0.0550	0.0351	0.0901		666.1920	666.1920	5.0000e-003		666.2969
Worker	0.3033	0.4104	4.2907	0.0100	0.8160	7.3900e-003	0.8234	0.2164	6.8200e-003	0.2232		815.0709	815.0709	0.0451		816.0188
Total	0.5656	2.9442	7.9303	0.0168	1.0094	0.0456	1.0549	0.2714	0.0419	0.3134		1,481.2629	1,481.2629	0.0501		1,482.3157

3.4 Building Construction - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.5826	17.3173	13.8357	0.0220		1.0532	1.0532		1.0172	1.0172		2,021.4136	2,021.4136	0.4059		2,029.9373
Total	2.5826	17.3173	13.8357	0.0220		1.0532	1.0532		1.0172	1.0172		2,021.4136	2,021.4136	0.4059		2,029.9373

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	0.2461	2.3285	3.4999	6.7500e-003	0.1934	0.0359	0.2294	0.0551	0.0331	0.0881		655.1784	655.1784	4.9700e-003		655.2828
Worker	0.2724	0.3725	3.8818	0.0100	0.8160	7.1600e-003	0.8231	0.2164	6.6200e-003	0.2230		785.1820	785.1820	0.0419		786.0624
Total	0.5186	2.7010	7.3817	0.0168	1.0094	0.0431	1.0525	0.2715	0.0397	0.3111		1,440.3604	1,440.3604	0.0469		1,441.3453

3.4 Building Construction - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.5826	17.3173	13.8357	0.0220		1.0532	1.0532		1.0172	1.0172	0.0000	2,021.4136	2,021.4136	0.4059		2,029.9373
Total	2.5826	17.3173	13.8357	0.0220		1.0532	1.0532		1.0172	1.0172	0.0000	2,021.4136	2,021.4136	0.4059		2,029.9373

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	0.2461	2.3285	3.4999	6.7500e-003	0.1934	0.0359	0.2294	0.0551	0.0331	0.0881		655.1784	655.1784	4.9700e-003		655.2828
Worker	0.2724	0.3725	3.8818	0.0100	0.8160	7.1600e-003	0.8231	0.2164	6.6200e-003	0.2230		785.1820	785.1820	0.0419		786.0624
Total	0.5186	2.7010	7.3817	0.0168	1.0094	0.0431	1.0525	0.2715	0.0397	0.3111		1,440.3604	1,440.3604	0.0469		1,441.3453

3.5 Architectural Coating - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	4.4209					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2986	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506		281.4485	281.4485	0.0267		282.0102
Total	4.7196	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506		281.4485	281.4485	0.0267		282.0102

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	0.0560	0.0765	0.7976	2.0600e-003	0.1677	1.4700e-003	0.1691	0.0445	1.3600e-003	0.0458		161.3388	161.3388	8.6200e-003		161.5197
Total	0.0560	0.0765	0.7976	2.0600e-003	0.1677	1.4700e-003	0.1691	0.0445	1.3600e-003	0.0458		161.3388	161.3388	8.6200e-003		161.5197

3.5 Architectural Coating - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	4.4209					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2986	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506	0.0000	281.4485	281.4485	0.0267		282.0102
Total	4.7196	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506	0.0000	281.4485	281.4485	0.0267		282.0102

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	0.0560	0.0765	0.7976	2.0600e-003	0.1677	1.4700e-003	0.1691	0.0445	1.3600e-003	0.0458		161.3388	161.3388	8.6200e-003		161.5197
Total	0.0560	0.0765	0.7976	2.0600e-003	0.1677	1.4700e-003	0.1691	0.0445	1.3600e-003	0.0458		161.3388	161.3388	8.6200e-003		161.5197

3.5 Architectural Coating - 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					
Archit. Coating	4.4209					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238		281.9473
Total	4.6874	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238		281.9473

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	0.0514	0.0702	0.7303	2.0500e-003	0.1677	1.4300e-003	0.1691	0.0445	1.3300e-003	0.0458		155.0073	155.0073	8.0500e-003		155.1764
Total	0.0514	0.0702	0.7303	2.0500e-003	0.1677	1.4300e-003	0.1691	0.0445	1.3300e-003	0.0458		155.0073	155.0073	8.0500e-003		155.1764

3.5 Architectural Coating - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	4.4209					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288	0.0000	281.4481	281.4481	0.0238		281.9473
Total	4.6874	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288	0.0000	281.4481	281.4481	0.0238		281.9473

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	0.0514	0.0702	0.7303	2.0500e-003	0.1677	1.4300e-003	0.1691	0.0445	1.3300e-003	0.0458		155.0073	155.0073	8.0500e-003		155.1764
Total	0.0514	0.0702	0.7303	2.0500e-003	0.1677	1.4300e-003	0.1691	0.0445	1.3300e-003	0.0458		155.0073	155.0073	8.0500e-003		155.1764

3.6 Paving - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0052	10.3081	8.8698	0.0133		0.6027	0.6027		0.5553	0.5553		1,326.5758	1,326.5758	0.4051		1,335.0833
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.0052	10.3081	8.8698	0.0133		0.6027	0.6027		0.5553	0.5553		1,326.5758	1,326.5758	0.4051		1,335.0833

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	0.0485	0.0663	0.6913	1.7800e-003	0.1453	1.2700e-003	0.1466	0.0385	1.1800e-003	0.0397		139.8269	139.8269	7.4700e-003		139.9837
Total	0.0485	0.0663	0.6913	1.7800e-003	0.1453	1.2700e-003	0.1466	0.0385	1.1800e-003	0.0397		139.8269	139.8269	7.4700e-003		139.9837

3.6 Paving - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0052	10.3081	8.8698	0.0133		0.6027	0.6027		0.5553	0.5553	0.0000	1,326.5758	1,326.5758	0.4051		1,335.0833
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.0052	10.3081	8.8698	0.0133		0.6027	0.6027		0.5553	0.5553	0.0000	1,326.5758	1,326.5758	0.4051		1,335.0833

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	0.0485	0.0663	0.6913	1.7800e-003	0.1453	1.2700e-003	0.1466	0.0385	1.1800e-003	0.0397		139.8269	139.8269	7.4700e-003		139.9837
Total	0.0485	0.0663	0.6913	1.7800e-003	0.1453	1.2700e-003	0.1466	0.0385	1.1800e-003	0.0397		139.8269	139.8269	7.4700e-003		139.9837

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	2.0529	5.7357	22.5435	0.0669	4.5843	0.0943	4.6786	1.2260	0.0869	1.3129		5,200.8338	5,200.8338	0.1961		5,204.9521
Unmitigated	2.0529	5.7357	22.5435	0.0669	4.5843	0.0943	4.6786	1.2260	0.0869	1.3129		5,200.8338	5,200.8338	0.1961		5,204.9521

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Enclosed Parking with Elevator	0.00	0.00	0.00		
Enclosed Parking with Elevator	0.00	0.00	0.00		
General Office Building	236.84	48.18	19.92	576,332	576,332
General Office Building	433.03	88.09	36.43	1,053,727	1,053,727
Total	669.88	136.28	56.35	1,630,059	1,630,059

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
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	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
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.530094	0.057664	0.178835	0.124843	0.039181	0.006319	0.017052	0.034445	0.002509	0.003148	0.003693	0.000531	0.001685

5.0 Energy Detail

4.4 Fleet Mix

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					
NaturalGas Mitigated	0.0163	0.1481	0.1244	8.9000e-004		0.0113	0.0113		0.0113	0.0113		177.7419	177.7419	3.4100e-003	3.2600e-003	178.8236
NaturalGas Unmitigated	0.0163	0.1481	0.1244	8.9000e-004		0.0113	0.0113		0.0113	0.0113		177.7419	177.7419	3.4100e-003	3.2600e-003	178.8236

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
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	534.097	5.7600e-003	0.0524	0.0440	3.1000e-004		3.9800e-003	3.9800e-003		3.9800e-003	3.9800e-003		62.8350	62.8350	1.2000e-003	1.1500e-003	63.2174
General Office Building	976.709	0.0105	0.0958	0.0804	5.7000e-004		7.2800e-003	7.2800e-003		7.2800e-003	7.2800e-003		114.9069	114.9069	2.2000e-003	2.1100e-003	115.6062
Total		0.0163	0.1481	0.1244	8.8000e-004		0.0113	0.0113		0.0113	0.0113		177.7419	177.7419	3.4000e-003	3.2600e-003	178.8236

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Office Building	0.534097	5.7600e-003	0.0524	0.0440	3.1000e-004		3.9800e-003	3.9800e-003		3.9800e-003	3.9800e-003		62.8350	62.8350	1.2000e-003	1.1500e-003	63.2174
General Office Building	0.976709	0.0105	0.0958	0.0804	5.7000e-004		7.2800e-003	7.2800e-003		7.2800e-003	7.2800e-003		114.9069	114.9069	2.2000e-003	2.1100e-003	115.6062
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
Total		0.0163	0.1481	0.1244	8.8000e-004		0.0113	0.0113		0.0113	0.0113		177.7419	177.7419	3.4000e-003	3.2600e-003	178.8236

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

	ROG	NOx	CO	SO2	Fugitive 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	3.9628	3.6000e-004	0.0394	0.0000		1.4000e-004	1.4000e-004		1.4000e-004	1.4000e-004		0.0839	0.0839	2.3000e-004		0.0887
Unmitigated	4.6786	3.6000e-004	0.0394	0.0000		1.4000e-004	1.4000e-004		1.4000e-004	1.4000e-004		0.0839	0.0839	2.3000e-004		0.0887

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	lb/day										lb/day					
Architectural Coating	0.9544					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.7205					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.7100e-003	3.6000e-004	0.0394	0.0000		1.4000e-004	1.4000e-004		1.4000e-004	1.4000e-004		0.0839	0.0839	2.3000e-004		0.0887
Total	4.6786	3.6000e-004	0.0394	0.0000		1.4000e-004	1.4000e-004		1.4000e-004	1.4000e-004		0.0839	0.0839	2.3000e-004		0.0887

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.2386					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.7205					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.7100e-003	3.6000e-004	0.0394	0.0000		1.4000e-004	1.4000e-004		1.4000e-004	1.4000e-004		0.0839	0.0839	2.3000e-004		0.0887
Total	3.9628	3.6000e-004	0.0394	0.0000		1.4000e-004	1.4000e-004		1.4000e-004	1.4000e-004		0.0839	0.0839	2.3000e-004		0.0887

7.0 Water Detail

7.1 Mitigation Measures Water

Use Grey 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 Vegetation

Skechers - Manhattan Beach Components
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	20.33	1000sqft	1.20	20,328.00	0
General Office Building	37.17	1000sqft	0.65	37,174.00	0
Enclosed Parking with Elevator	199.00	Space	0.00	79,600.00	0
Enclosed Parking with Elevator	127.00	Space	0.00	50,800.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	8			Operational Year	2020
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	630.89	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - From Project description, site plan and traffic study (LLG 2016)

Construction Phase - Per applicant provided construction schedule

Off-road Equipment -

Trips and VMT -

Demolition - from LLG Traffic Study (2016)

Car wash and Auto Care Center not included because already demolished

Grading - 52,500 total export from PD

Architectural Coating - Assumed Compliance with amended SCAQMD Rule 1113

Vehicle Trips - Trip rate from traffic study and 15.2 from Traffic Study by LLG (2016) Table F.

Area Coating - Assume compliance with amended SCAQMD Rule 1113

Construction Off-road Equipment Mitigation - Assumed compliance with Rule 403

Mobile Land Use Mitigation -

Area Mitigation - Assumed compliance with amended SCAQMD rule 1113

Energy Mitigation -

Water Mitigation - Grey Water use on all outdoor landscaping

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblArchitecturalCoating	EF_Residential_Exterior	100.00	50.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	50
tblAreaMitigation	UseLowVOCPaintNonresidentialInteriorValue	250	50
tblAreaMitigation	UseLowVOCPaintResidentialExteriorValue	100	50
tblConstructionPhase	NumDays	10.00	197.00
tblConstructionPhase	NumDays	200.00	244.00
tblConstructionPhase	NumDays	4.00	124.00
tblConstructionPhase	NumDays	10.00	85.00

tblConstructionPhase	PhaseEndDate	5/7/2019	1/16/2019
tblConstructionPhase	PhaseEndDate	9/24/2018	8/3/2018
tblConstructionPhase	PhaseEndDate	10/24/2017	10/17/2017
tblConstructionPhase	PhaseEndDate	5/15/2019	10/15/2018
tblConstructionPhase	PhaseStartDate	8/4/2018	4/17/2018
tblConstructionPhase	PhaseStartDate	10/18/2017	8/29/2017
tblConstructionPhase	PhaseStartDate	5/4/2017	4/27/2017
tblConstructionPhase	PhaseStartDate	1/17/2019	6/19/2018
tblGrading	MaterialExported	0.00	52,500.00
tblLandUse	LandUseSquareFeet	20,330.00	20,328.00
tblLandUse	LandUseSquareFeet	37,170.00	37,174.00
tblLandUse	LotAcreage	0.47	1.20
tblLandUse	LotAcreage	0.85	0.65
tblLandUse	LotAcreage	1.14	0.00
tblLandUse	LotAcreage	1.79	0.00
tblProjectCharacteristics	OperationalYear	2014	2020
tblVehicleTrips	WD_TR	11.01	11.65

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2017	0.3591	3.3783	2.7642	5.4000e-003	0.4214	0.1514	0.5727	0.1872	0.1419	0.3291	0.0000	474.3921	474.3921	0.0517	0.0000	475.4780
2018	0.7246	2.1896	2.2935	4.1300e-003	0.0980	0.1247	0.2227	0.0263	0.1196	0.1459	0.0000	338.4999	338.4999	0.0507	0.0000	339.5646
2019	0.0284	0.0114	0.0155	3.0000e-005	9.9000e-004	7.8000e-004	1.7700e-003	2.6000e-004	7.8000e-004	1.0400e-003	0.0000	2.3893	2.3893	1.7000e-004	0.0000	2.3929
Total	1.1121	5.5793	5.0732	9.5600e-003	0.5203	0.2768	0.7972	0.2138	0.2623	0.4761	0.0000	815.2812	815.2812	0.1026	0.0000	817.4355

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2017	0.3591	3.3783	2.7642	5.4000e-003	0.2488	0.1514	0.4001	0.1003	0.1419	0.2422	0.0000	474.3918	474.3918	0.0517	0.0000	475.4777
2018	0.7246	2.1896	2.2935	4.1300e-003	0.0980	0.1247	0.2227	0.0263	0.1196	0.1459	0.0000	338.4996	338.4996	0.0507	0.0000	339.5644
2019	0.0284	0.0114	0.0155	3.0000e-005	9.9000e-004	7.8000e-004	1.7700e-003	2.6000e-004	7.8000e-004	1.0400e-003	0.0000	2.3893	2.3893	1.7000e-004	0.0000	2.3929
Total	1.1121	5.5793	5.0732	9.5600e-003	0.3478	0.2768	0.6246	0.1269	0.2623	0.3892	0.0000	815.2807	815.2807	0.1026	0.0000	817.4350

	ROG	NOx	CO	SO2	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	33.16	0.00	21.65	40.64	0.00	18.25	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.8536	5.0000e-005	4.9300e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	9.5200e-003	9.5200e-003	3.0000e-005	0.0000	0.0101
Energy	2.9700e-003	0.0270	0.0227	1.6000e-004		2.0500e-003	2.0500e-003		2.0500e-003	2.0500e-003	0.0000	537.9678	537.9678	0.0239	5.3800e-003	540.1371
Mobile	0.2680	0.8035	3.1080	9.3100e-003	0.6181	0.0129	0.6310	0.1656	0.0119	0.1775	0.0000	655.9142	655.9142	0.0244	0.0000	656.4269
Waste						0.0000	0.0000		0.0000	0.0000	10.8560	0.0000	10.8560	0.6416	0.0000	24.3289
Water						0.0000	0.0000		0.0000	0.0000	3.2422	57.9946	61.2368	0.3357	8.4100e-003	70.8945
Total	1.1246	0.8306	3.1357	9.4700e-003	0.6181	0.0150	0.6331	0.1656	0.0140	0.1795	14.0982	1,251.8861	1,265.9843	1.0256	0.0138	1,291.7975

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.7230	5.0000e-005	4.9300e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	9.5200e-003	9.5200e-003	3.0000e-005	0.0000	0.0101
Energy	2.9700e-003	0.0270	0.0227	1.6000e-004		2.0500e-003	2.0500e-003		2.0500e-003	2.0500e-003	0.0000	537.9678	537.9678	0.0239	5.3800e-003	540.1371
Mobile	0.2680	0.8035	3.1080	9.3100e-003	0.6181	0.0129	0.6310	0.1656	0.0119	0.1775	0.0000	655.9142	655.9142	0.0244	0.0000	656.4269
Waste						0.0000	0.0000		0.0000	0.0000	10.8560	0.0000	10.8560	0.6416	0.0000	24.3289
Water						0.0000	0.0000		0.0000	0.0000	3.2422	38.0804	41.3226	0.3347	8.2100e-003	50.8972
Total	0.9940	0.8306	3.1357	9.4700e-003	0.6181	0.0150	0.6331	0.1656	0.0140	0.1795	14.0982	1,231.9719	1,246.0701	1.0247	0.0136	1,271.8001

	ROG	NOx	CO	SO2	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	11.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.59	1.57	0.09	1.45	1.55

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	4/6/2017	5/3/2017	5	20	
2	Grading	Grading	4/27/2017	10/17/2017	5	124	
3	Building Construction	Building Construction	8/29/2017	8/3/2018	5	244	
4	Architectural Coating	Architectural Coating	4/17/2018	1/16/2019	5	197	
5	Paving	Paving	6/19/2018	10/15/2018	5	85	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 46.5

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 281,853; Non-Residential Outdoor: 93,951 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	8.00	255	0.40
Demolition	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Grading	Graders	1	6.00	174	0.41
Grading	Rubber Tired Dozers	1	6.00	255	0.40
Grading	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Building Construction	Cranes	1	6.00	226	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
Paving	Cement and Mortar Mixers	1	6.00	9	0.56
Paving	Pavers	1	6.00	125	0.42
Paving	Paving Equipment	1	8.00	130	0.36
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	5	13.00	0.00	57.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	3	8.00	0.00	6,563.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	7	73.00	31.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					6.1100e-003	0.0000	6.1100e-003	9.3000e-004	0.0000	9.3000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0272	0.2659	0.2087	2.4000e-004		0.0161	0.0161		0.0150	0.0150	0.0000	22.2938	22.2938	5.6600e-003	0.0000	22.4126
Total	0.0272	0.2659	0.2087	2.4000e-004	6.1100e-003	0.0161	0.0222	9.3000e-004	0.0150	0.0160	0.0000	22.2938	22.2938	5.6600e-003	0.0000	22.4126

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	4.9000e-004	7.7300e-003	6.1500e-003	2.0000e-005	4.9000e-004	1.1000e-004	6.0000e-004	1.3000e-004	1.0000e-004	2.3000e-004	0.0000	1.9126	1.9126	1.0000e-005	0.0000	1.9129
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.1000e-004	7.5000e-004	7.8100e-003	2.0000e-005	1.4200e-003	1.0000e-005	1.4400e-003	3.8000e-004	1.0000e-005	3.9000e-004	0.0000	1.3380	1.3380	7.0000e-005	0.0000	1.3395
Total	1.0000e-003	8.4800e-003	0.0140	4.0000e-005	1.9100e-003	1.2000e-004	2.0400e-003	5.1000e-004	1.1000e-004	6.2000e-004	0.0000	3.2505	3.2505	8.0000e-005	0.0000	3.2524

3.2 Demolition - 2017

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.7500e-003	0.0000	2.7500e-003	4.2000e-004	0.0000	4.2000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0272	0.2659	0.2087	2.4000e-004		0.0161	0.0161		0.0150	0.0150	0.0000	22.2938	22.2938	5.6600e-003	0.0000	22.4125
Total	0.0272	0.2659	0.2087	2.4000e-004	2.7500e-003	0.0161	0.0188	4.2000e-004	0.0150	0.0154	0.0000	22.2938	22.2938	5.6600e-003	0.0000	22.4125

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	4.9000e-004	7.7300e-003	6.1500e-003	2.0000e-005	4.9000e-004	1.1000e-004	6.0000e-004	1.3000e-004	1.0000e-004	2.3000e-004	0.0000	1.9126	1.9126	1.0000e-005	0.0000	1.9129
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.1000e-004	7.5000e-004	7.8100e-003	2.0000e-005	1.4200e-003	1.0000e-005	1.4400e-003	3.8000e-004	1.0000e-005	3.9000e-004	0.0000	1.3380	1.3380	7.0000e-005	0.0000	1.3395
Total	1.0000e-003	8.4800e-003	0.0140	4.0000e-005	1.9100e-003	1.2000e-004	2.0400e-003	5.1000e-004	1.1000e-004	6.2000e-004	0.0000	3.2505	3.2505	8.0000e-005	0.0000	3.2524

3.3 Grading - 2017**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.3077	0.0000	0.3077	0.1570	0.0000	0.1570	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1168	1.2269	0.8171	8.7000e-004		0.0661	0.0661		0.0608	0.0608	0.0000	80.9479	80.9479	0.0248	0.0000	81.4687
Total	0.1168	1.2269	0.8171	8.7000e-004	0.3077	0.0661	0.3738	0.1570	0.0608	0.2179	0.0000	80.9479	80.9479	0.0248	0.0000	81.4687

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	0.0567	0.8901	0.7076	2.4500e-003	0.0562	0.0125	0.0686	0.0154	0.0115	0.0269	0.0000	220.2128	220.2128	1.6300e-003	0.0000	220.2471
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	1.9400e-003	2.8600e-003	0.0298	7.0000e-005	5.4400e-003	5.0000e-005	5.4900e-003	1.4400e-003	5.0000e-005	1.4900e-003	0.0000	5.1049	5.1049	2.8000e-004	0.0000	5.1107
Total	0.0586	0.8930	0.7374	2.5200e-003	0.0616	0.0125	0.0741	0.0169	0.0115	0.0284	0.0000	225.3176	225.3176	1.9100e-003	0.0000	225.3578

3.3 Grading - 2017

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1384	0.0000	0.1384	0.0707	0.0000	0.0707	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1168	1.2269	0.8171	8.7000e-004		0.0661	0.0661		0.0608	0.0608	0.0000	80.9478	80.9478	0.0248	0.0000	81.4686
Total	0.1168	1.2269	0.8171	8.7000e-004	0.1384	0.0661	0.2045	0.0707	0.0608	0.1315	0.0000	80.9478	80.9478	0.0248	0.0000	81.4686

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	0.0567	0.8901	0.7076	2.4500e-003	0.0562	0.0125	0.0686	0.0154	0.0115	0.0269	0.0000	220.2128	220.2128	1.6300e-003	0.0000	220.2471
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	1.9400e-003	2.8600e-003	0.0298	7.0000e-005	5.4400e-003	5.0000e-005	5.4900e-003	1.4400e-003	5.0000e-005	1.4900e-003	0.0000	5.1049	5.1049	2.8000e-004	0.0000	5.1107
Total	0.0586	0.8930	0.7374	2.5200e-003	0.0616	0.0125	0.0741	0.0169	0.0115	0.0284	0.0000	225.3176	225.3176	1.9100e-003	0.0000	225.3578

3.4 Building Construction - 2017**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1315	0.8503	0.6368	9.8000e-004		0.0545	0.0545		0.0526	0.0526	0.0000	82.1236	82.1236	0.0172	0.0000	82.4854
Total	0.1315	0.8503	0.6368	9.8000e-004		0.0545	0.0545		0.0526	0.0526	0.0000	82.1236	82.1236	0.0172	0.0000	82.4854

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	0.0113	0.1150	0.1551	3.0000e-004	8.4600e-003	1.6900e-003	0.0102	2.4100e-003	1.5500e-003	3.9700e-003	0.0000	27.0249	27.0249	2.0000e-004	0.0000	27.0290
Worker	0.0127	0.0188	0.1952	4.5000e-004	0.0356	3.3000e-004	0.0359	9.4500e-003	3.0000e-004	9.7600e-003	0.0000	33.4338	33.4338	1.8200e-003	0.0000	33.4721
Total	0.0240	0.1337	0.3503	7.5000e-004	0.0441	2.0200e-003	0.0461	0.0119	1.8500e-003	0.0137	0.0000	60.4587	60.4587	2.0200e-003	0.0000	60.5011

3.4 Building Construction - 2017

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1315	0.8503	0.6368	9.8000e-004		0.0545	0.0545		0.0526	0.0526	0.0000	82.1235	82.1235	0.0172	0.0000	82.4853
Total	0.1315	0.8503	0.6368	9.8000e-004		0.0545	0.0545		0.0526	0.0526	0.0000	82.1235	82.1235	0.0172	0.0000	82.4853

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	0.0113	0.1150	0.1551	3.0000e-004	8.4600e-003	1.6900e-003	0.0102	2.4100e-003	1.5500e-003	3.9700e-003	0.0000	27.0249	27.0249	2.0000e-004	0.0000	27.0290
Worker	0.0127	0.0188	0.1952	4.5000e-004	0.0356	3.3000e-004	0.0359	9.4500e-003	3.0000e-004	9.7600e-003	0.0000	33.4338	33.4338	1.8200e-003	0.0000	33.4721
Total	0.0240	0.1337	0.3503	7.5000e-004	0.0441	2.0200e-003	0.0461	0.0119	1.8500e-003	0.0137	0.0000	60.4587	60.4587	2.0200e-003	0.0000	60.5011

3.4 Building Construction - 2018**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2002	1.3421	1.0723	1.7000e-003		0.0816	0.0816		0.0788	0.0788	0.0000	142.1192	142.1192	0.0285	0.0000	142.7184
Total	0.2002	1.3421	1.0723	1.7000e-003		0.0816	0.0816		0.0788	0.0788	0.0000	142.1192	142.1192	0.0285	0.0000	142.7184

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	0.0185	0.1840	0.2593	5.3000e-004	0.0147	2.7700e-003	0.0175	4.2100e-003	2.5500e-003	6.7500e-003	0.0000	46.2881	46.2881	3.4000e-004	0.0000	46.2953
Worker	0.0199	0.0296	0.3078	7.9000e-004	0.0620	5.5000e-004	0.0626	0.0165	5.1000e-004	0.0170	0.0000	56.0935	56.0935	2.9500e-003	0.0000	56.1554
Total	0.0384	0.2137	0.5672	1.3200e-003	0.0767	3.3200e-003	0.0801	0.0207	3.0600e-003	0.0237	0.0000	102.3816	102.3816	3.2900e-003	0.0000	102.4507

3.4 Building Construction - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2002	1.3421	1.0723	1.7000e-003		0.0816	0.0816		0.0788	0.0788	0.0000	142.1190	142.1190	0.0285	0.0000	142.7183
Total	0.2002	1.3421	1.0723	1.7000e-003		0.0816	0.0816		0.0788	0.0788	0.0000	142.1190	142.1190	0.0285	0.0000	142.7183

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	0.0185	0.1840	0.2593	5.3000e-004	0.0147	2.7700e-003	0.0175	4.2100e-003	2.5500e-003	6.7500e-003	0.0000	46.2881	46.2881	3.4000e-004	0.0000	46.2953
Worker	0.0199	0.0296	0.3078	7.9000e-004	0.0620	5.5000e-004	0.0626	0.0165	5.1000e-004	0.0170	0.0000	56.0935	56.0935	2.9500e-003	0.0000	56.1554
Total	0.0384	0.2137	0.5672	1.3200e-003	0.0767	3.3200e-003	0.0801	0.0207	3.0600e-003	0.0237	0.0000	102.3816	102.3816	3.2900e-003	0.0000	102.4507

3.5 Architectural Coating - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.4089					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0276	0.1855	0.1715	2.7000e-004		0.0139	0.0139		0.0139	0.0139	0.0000	23.6176	23.6176	2.2400e-003	0.0000	23.6648
Total	0.4366	0.1855	0.1715	2.7000e-004		0.0139	0.0139		0.0139	0.0139	0.0000	23.6176	23.6176	2.2400e-003	0.0000	23.6648

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	4.8700e-003	7.2700e-003	0.0755	1.9000e-004	0.0152	1.4000e-004	0.0153	4.0400e-003	1.3000e-004	4.1600e-003	0.0000	13.7569	13.7569	7.2000e-004	0.0000	13.7721
Total	4.8700e-003	7.2700e-003	0.0755	1.9000e-004	0.0152	1.4000e-004	0.0153	4.0400e-003	1.3000e-004	4.1600e-003	0.0000	13.7569	13.7569	7.2000e-004	0.0000	13.7721

3.5 Architectural Coating - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.4089					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0276	0.1855	0.1715	2.7000e-004		0.0139	0.0139		0.0139	0.0139	0.0000	23.6176	23.6176	2.2400e-003	0.0000	23.6647
Total	0.4366	0.1855	0.1715	2.7000e-004		0.0139	0.0139		0.0139	0.0139	0.0000	23.6176	23.6176	2.2400e-003	0.0000	23.6647

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	4.8700e-003	7.2700e-003	0.0755	1.9000e-004	0.0152	1.4000e-004	0.0153	4.0400e-003	1.3000e-004	4.1600e-003	0.0000	13.7569	13.7569	7.2000e-004	0.0000	13.7721
Total	4.8700e-003	7.2700e-003	0.0755	1.9000e-004	0.0152	1.4000e-004	0.0153	4.0400e-003	1.3000e-004	4.1600e-003	0.0000	13.7569	13.7569	7.2000e-004	0.0000	13.7721

3.5 Architectural Coating - 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					
Archit. Coating	0.0265					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.6000e-003	0.0110	0.0111	2.0000e-005		7.7000e-004	7.7000e-004		7.7000e-004	7.7000e-004	0.0000	1.5320	1.5320	1.3000e-004	0.0000	1.5347
Total	0.0281	0.0110	0.0111	2.0000e-005		7.7000e-004	7.7000e-004		7.7000e-004	7.7000e-004	0.0000	1.5320	1.5320	1.3000e-004	0.0000	1.5347

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	2.9000e-004	4.3000e-004	4.4900e-003	1.0000e-005	9.9000e-004	1.0000e-005	9.9000e-004	2.6000e-004	1.0000e-005	2.7000e-004	0.0000	0.8573	0.8573	4.0000e-005	0.0000	0.8583
Total	2.9000e-004	4.3000e-004	4.4900e-003	1.0000e-005	9.9000e-004	1.0000e-005	9.9000e-004	2.6000e-004	1.0000e-005	2.7000e-004	0.0000	0.8573	0.8573	4.0000e-005	0.0000	0.8583

3.5 Architectural Coating - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0265					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.6000e-003	0.0110	0.0111	2.0000e-005		7.7000e-004	7.7000e-004		7.7000e-004	7.7000e-004	0.0000	1.5320	1.5320	1.3000e-004	0.0000	1.5347
Total	0.0281	0.0110	0.0111	2.0000e-005		7.7000e-004	7.7000e-004		7.7000e-004	7.7000e-004	0.0000	1.5320	1.5320	1.3000e-004	0.0000	1.5347

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	2.9000e-004	4.3000e-004	4.4900e-003	1.0000e-005	9.9000e-004	1.0000e-005	9.9000e-004	2.6000e-004	1.0000e-005	2.7000e-004	0.0000	0.8573	0.8573	4.0000e-005	0.0000	0.8583
Total	2.9000e-004	4.3000e-004	4.4900e-003	1.0000e-005	9.9000e-004	1.0000e-005	9.9000e-004	2.6000e-004	1.0000e-005	2.7000e-004	0.0000	0.8573	0.8573	4.0000e-005	0.0000	0.8583

3.6 Paving - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0427	0.4381	0.3770	5.7000e-004		0.0256	0.0256		0.0236	0.0236	0.0000	51.1466	51.1466	0.0156	0.0000	51.4746
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0427	0.4381	0.3770	5.7000e-004		0.0256	0.0256		0.0236	0.0236	0.0000	51.1466	51.1466	0.0156	0.0000	51.4746

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	1.9400e-003	2.8900e-003	0.0301	8.0000e-005	6.0500e-003	5.0000e-005	6.1100e-003	1.6100e-003	5.0000e-005	1.6600e-003	0.0000	5.4780	5.4780	2.9000e-004	0.0000	5.4840
Total	1.9400e-003	2.8900e-003	0.0301	8.0000e-005	6.0500e-003	5.0000e-005	6.1100e-003	1.6100e-003	5.0000e-005	1.6600e-003	0.0000	5.4780	5.4780	2.9000e-004	0.0000	5.4840

3.6 Paving - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0427	0.4381	0.3770	5.7000e-004		0.0256	0.0256		0.0236	0.0236	0.0000	51.1465	51.1465	0.0156	0.0000	51.4745
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0427	0.4381	0.3770	5.7000e-004		0.0256	0.0256		0.0236	0.0236	0.0000	51.1465	51.1465	0.0156	0.0000	51.4745

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	1.9400e-003	2.8900e-003	0.0301	8.0000e-005	6.0500e-003	5.0000e-005	6.1100e-003	1.6100e-003	5.0000e-005	1.6600e-003	0.0000	5.4780	5.4780	2.9000e-004	0.0000	5.4840
Total	1.9400e-003	2.8900e-003	0.0301	8.0000e-005	6.0500e-003	5.0000e-005	6.1100e-003	1.6100e-003	5.0000e-005	1.6600e-003	0.0000	5.4780	5.4780	2.9000e-004	0.0000	5.4840

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	0.2680	0.8035	3.1080	9.3100e-003	0.6181	0.0129	0.6310	0.1656	0.0119	0.1775	0.0000	655.9142	655.9142	0.0244	0.0000	656.4269
Unmitigated	0.2680	0.8035	3.1080	9.3100e-003	0.6181	0.0129	0.6310	0.1656	0.0119	0.1775	0.0000	655.9142	655.9142	0.0244	0.0000	656.4269

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Enclosed Parking with Elevator	0.00	0.00	0.00		
Enclosed Parking with Elevator	0.00	0.00	0.00		
General Office Building	236.84	48.18	19.92	576,332	576,332
General Office Building	433.03	88.09	36.43	1,053,727	1,053,727
Total	669.88	136.28	56.35	1,630,059	1,630,059

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
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	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
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.530094	0.057664	0.178835	0.124843	0.039181	0.006319	0.017052	0.034445	0.002509	0.003148	0.003693	0.000531	0.001685

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	508.5407	508.5407	0.0234	4.8400e-003	510.5309
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	508.5407	508.5407	0.0234	4.8400e-003	510.5309
NaturalGas Mitigated	2.9700e-003	0.0270	0.0227	1.6000e-004		2.0500e-003	2.0500e-003		2.0500e-003	2.0500e-003	0.0000	29.4272	29.4272	5.6000e-004	5.4000e-004	29.6063
NaturalGas Unmitigated	2.9700e-003	0.0270	0.0227	1.6000e-004		2.0500e-003	2.0500e-003		2.0500e-003	2.0500e-003	0.0000	29.4272	29.4272	5.6000e-004	5.4000e-004	29.6063

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	194946	1.0500e-003	9.5600e-003	8.0300e-003	6.0000e-005		7.3000e-004	7.3000e-004		7.3000e-004	7.3000e-004	0.0000	10.4030	10.4030	2.0000e-004	1.9000e-004	10.4664
General Office Building	356499	1.9200e-003	0.0175	0.0147	1.0000e-004		1.3300e-003	1.3300e-003		1.3300e-003	1.3300e-003	0.0000	19.0241	19.0241	3.6000e-004	3.5000e-004	19.1399
Total		2.9700e-003	0.0270	0.0227	1.6000e-004		2.0600e-003	2.0600e-003		2.0600e-003	2.0600e-003	0.0000	29.4272	29.4272	5.6000e-004	5.4000e-004	29.6063

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
General Office Building	194946	1.0500e-003	9.5600e-003	8.0300e-003	6.0000e-005		7.3000e-004	7.3000e-004		7.3000e-004	7.3000e-004	0.0000	10.4030	10.4030	2.0000e-004	1.9000e-004	10.4664
General Office Building	356499	1.9200e-003	0.0175	0.0147	1.0000e-004		1.3300e-003	1.3300e-003		1.3300e-003	1.3300e-003	0.0000	19.0241	19.0241	3.6000e-004	3.5000e-004	19.1399
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
Total		2.9700e-003	0.0270	0.0227	1.6000e-004		2.0600e-003	2.0600e-003		2.0600e-003	2.0600e-003	0.0000	29.4272	29.4272	5.6000e-004	5.4000e-004	29.6063

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Enclosed Parking with Elevator	342392	97.9813	4.5000e-003	9.3000e-004	98.3647
Enclosed Parking with Elevator	536504	153.5297	7.0600e-003	1.4600e-003	154.1305
General Office Building	317523	90.8647	4.1800e-003	8.6000e-004	91.2203
General Office Building	580658	166.1651	7.6400e-003	1.5800e-003	166.8154
Total		508.5407	0.0234	4.8300e-003	510.5309

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Enclosed Parking with Elevator	342392	97.9813	4.5000e-003	9.3000e-004	98.3647
Enclosed Parking with Elevator	536504	153.5297	7.0600e-003	1.4600e-003	154.1305
General Office Building	317523	90.8647	4.1800e-003	8.6000e-004	91.2203
General Office Building	580658	166.1651	7.6400e-003	1.5800e-003	166.8154
Total		508.5407	0.0234	4.8300e-003	510.5309

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.7230	5.0000e-005	4.9300e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	9.5200e-003	9.5200e-003	3.0000e-005	0.0000	0.0101
Unmitigated	0.8536	5.0000e-005	4.9300e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	9.5200e-003	9.5200e-003	3.0000e-005	0.0000	0.0101

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	0.1742					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.6790					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	4.6000e-004	5.0000e-005	4.9300e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	9.5200e-003	9.5200e-003	3.0000e-005	0.0000	0.0101
Total	0.8536	5.0000e-005	4.9300e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	9.5200e-003	9.5200e-003	3.0000e-005	0.0000	0.0101

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0436					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.6790					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	4.6000e-004	5.0000e-005	4.9300e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	9.5200e-003	9.5200e-003	3.0000e-005	0.0000	0.0101
Total	0.7230	5.0000e-005	4.9300e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	9.5200e-003	9.5200e-003	3.0000e-005	0.0000	0.0101

7.0 Water Detail

7.1 Mitigation Measures Water

Use Grey Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	41.3226	0.3347	8.2100e-003	50.8972
Unmitigated	61.2368	0.3357	8.4100e-003	70.8945

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
General Office Building	10.2197 / 6.26368	61.2368	0.3357	8.4100e-003	70.8945
Total		61.2368	0.3357	8.4100e-003	70.8945

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
General Office Building	10.2197 / 0	41.3226	0.3347	8.2100e-003	50.8972
Total		41.3226	0.3347	8.2100e-003	50.8972

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	10.8560	0.6416	0.0000	24.3289
Unmitigated	10.8560	0.6416	0.0000	24.3289

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
General Office Building	53.48	10.8560	0.6416	0.0000	24.3289
Total		10.8560	0.6416	0.0000	24.3289

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
General Office Building	53.48	10.8560	0.6416	0.0000	24.3289
Total		10.8560	0.6416	0.0000	24.3289

9.0 Operational Offroad

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

Greenhouse Gas Emission Worksheet
N2O Mobile Emissions

Skechers Hermosa Components

From CalEEMod Fleet Mix:

Annual VMT: 2,849,677

Vehicle Type	Percent Type	CH4 Emission Factor (g/mile)*	CH4 Emission (g/mile)**	N2O Emission Factor (g/mile)*	N2O Emission (g/mile)**
Light Auto	53.1%	0.04	0.02124	0.04	0.02124
Light Truck < 3750 lbs	5.8%	0.05	0.0029	0.06	0.00348
Light Truck 3751-5750 lbs	17.9%	0.05	0.00895	0.06	0.01074
Med Truck 5751-8500 lbs	12.5%	0.12	0.015	0.2	0.025
Lite-Heavy Truck 8501-10,000 lbs	3.9%	0.12	0.00468	0.2	0.0078
Lite-Heavy Truck 10,001-14,000 lbs	0.6%	0.09	0.00054	0.125	0.00075
Med-Heavy Truck 14,001-33,000 lbs	1.7%	0.06	0.00102	0.05	0.00085
Heavy-Heavy Truck 33,001-60,000 lbs	3.4%	0.06	0.00204	0.05	0.0017
Other Bus	0.2%	0.06	0.00012	0.05	0.0001
Urban Bus	0.3%	0.06	0.00018	0.05	0.00015
Motorcycle	0.4%	0.09	0.00036	0.01	0.00004
School Bus	0.1%	0.06	0.00003	0.05	0.000025
Motor Home	0.1%	0.09	0.00009	0.125	0.000125
Total	100.0%		0.05715		0.072

Total Emissions (metric tons) =
Emission Factor by Vehicle Mix (g/mi) x Annual VMT(mi) x 0.000001 metric tons/g

Conversion to Carbon Dioxide Equivalency (CO2e) Units based on Global Warming Potential (GWP)***
 CH4 25 GWP
 N2O 298 GWP
 1 ton (short, US) = 0.90718474 metric ton

Annual Mobile Emissions:

	Total Emissions	Total CO2e units
N2O Emissions:	0.2052 metric tons N2O	61.14 metric tons CO2e
Project Total:	61.14 metric tons CO2e	

References

* from Table C.4: Methane and Nitrous Oxide Emission Factors for Mobile Sources by Vehicle and Fuel Type (g/mile).
 in California Climate Action Registry General Reporting Protocol, Reporting Entity-Wide Greenhouse Gas Emissions, Version 3.1, January 2009.
 Assume Model year 2000-present, gasoline fueled.
 ** Source: California Climate Action Registry General Reporting Protocol, Reporting Entity-Wide Greenhouse Gas Emissions, Version 3.1, January 2009.
 *** Source: IPCC AR4

Greenhouse Gas Emission Worksheet
N2O Mobile Emissions

Skechers Manhattan Components

From CalEEMod Fleet Mix:

Annual VMT: 1,630,116

Vehicle Type	Percent Type	CH4 Emission Factor (g/mile)*	CH4 Emission (g/mile)**	N2O Emission Factor (g/mile)*	N2O Emission (g/mile)**
Light Auto	53.0%	0.04	0.0212	0.04	0.0212
Light Truck < 3750 lbs	5.8%	0.05	0.0029	0.06	0.00348
Light Truck 3751-5750 lbs	17.9%	0.05	0.00895	0.06	0.01074
Med Truck 5751-8500 lbs	12.5%	0.12	0.015	0.2	0.025
Lite-Heavy Truck 8501-10,000 lbs	3.9%	0.12	0.00468	0.2	0.0078
Lite-Heavy Truck 10,001-14,000 lbs	0.6%	0.09	0.00054	0.125	0.00075
Med-Heavy Truck 14,001-33,000 lbs	1.7%	0.06	0.00102	0.05	0.00085
Heavy-Heavy Truck 33,001-60,000 lbs	3.4%	0.06	0.00204	0.05	0.0017
Other Bus	0.2%	0.06	0.00012	0.05	0.0001
Urban Bus	0.3%	0.06	0.00018	0.05	0.00015
Motorcycle	0.4%	0.09	0.00036	0.01	0.00004
School Bus	0.1%	0.06	0.00003	0.05	0.000025
Motor Home	0.2%	0.09	0.00018	0.125	0.00025
Total	100.0%		0.0572		0.072085

Total Emissions (metric tons) =
Emission Factor by Vehicle Mix (g/mi) x Annual VMT(mi) x 0.000001 metric tons/g

Conversion to Carbon Dioxide Equivalency (CO2e) Units based on Global Warming Potential (GWP)***

CH4 25 GWP
 N2O 298 GWP
 1 ton (short, US) = 0.90718474 metric ton

Annual Mobile Emissions:

	Total Emissions	Total CO2e units
N2O Emissions:	0.1175 metric tons N2O	35.02 metric tons CO2e
Project Total:	35.02 metric tons CO2e	

References

* from Table C.4: Methane and Nitrous Oxide Emission Factors for Mobile Sources by Vehicle and Fuel Type (g/mile).
 in California Climate Action Registry General Reporting Protocol, Reporting Entity-Wide Greenhouse Gas Emissions, Version 3.1, January 2009.
 Assume Model year 2000-present, gasoline fueled.
 ** Source: California Climate Action Registry General Reporting Protocol, Reporting Entity-Wide Greenhouse Gas Emissions, Version 3.1, January 2009.
 *** Source: IPCC AR4