Appendix I

Greenhouse Gas Emissions Technical Report

GREENHOUSE GAS ANALYSIS FOR THE MIDWAY-PACIFIC HIGHWAY COMMUNITY PLAN UPDATE

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LIST OF ACRONYMS AND ABBREVIATIONS

AB	Assembly Bill
ADT	average daily trips
ARB	California Air Resources Board
CAA	Clean Air Act
CalEEMod	California Emissions Estimator Model
CH_4	methane
CO_2	carbon dioxide
CO_2e	carbon dioxide equivalent
CPU	Community Plan Update
EPA	United States Environmental Protection Agency
°F	degrees Fahrenheit
GHG	greenhouse gas emissions
GWP	global warming potential
HFC	hydrofluorocarbon
IPCC	Intergovernmental Panel on Climate Change
MT	metric tons
MMT	million metric tons
N_2O	nitrous oxide
NF_3	nitrogen trifluoride
PFC	perfluorocarbon
RPS	Renewable Portfolio Standard
SF_6	sulfur hexafluoride
TIS	Traffic Impact Study
VMT	vehicle miles traveled

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SECTION 1
INTRODUCTION

This greenhouse gas technical study analyzes the proposed Midway-Pacific Highway Community Plan Update (CPU). The Midway-Pacific Highway CPU area is centrally located to the north of Downtown San Diego and south of Mission Bay. The Midway-Pacific Highway Community Plan area lies between the north end of the Peninsula Community Plan area to the west and Old Town San Diego to the east. The Midway-Pacific Highway CPU provides a long-range guide for the future physical development of the community. The existing Midway-Pacific Highway Community Plan was last updated in 1991. The proposed CPU, and associated actions, will ensure consistency of the CPU with and incorporate relevant policies from the City of San Diego General Plan (General Plan), as well as provide a long-range, comprehensive policy framework and vision for growth and development in the Midway-Pacific Highway community through 2035.

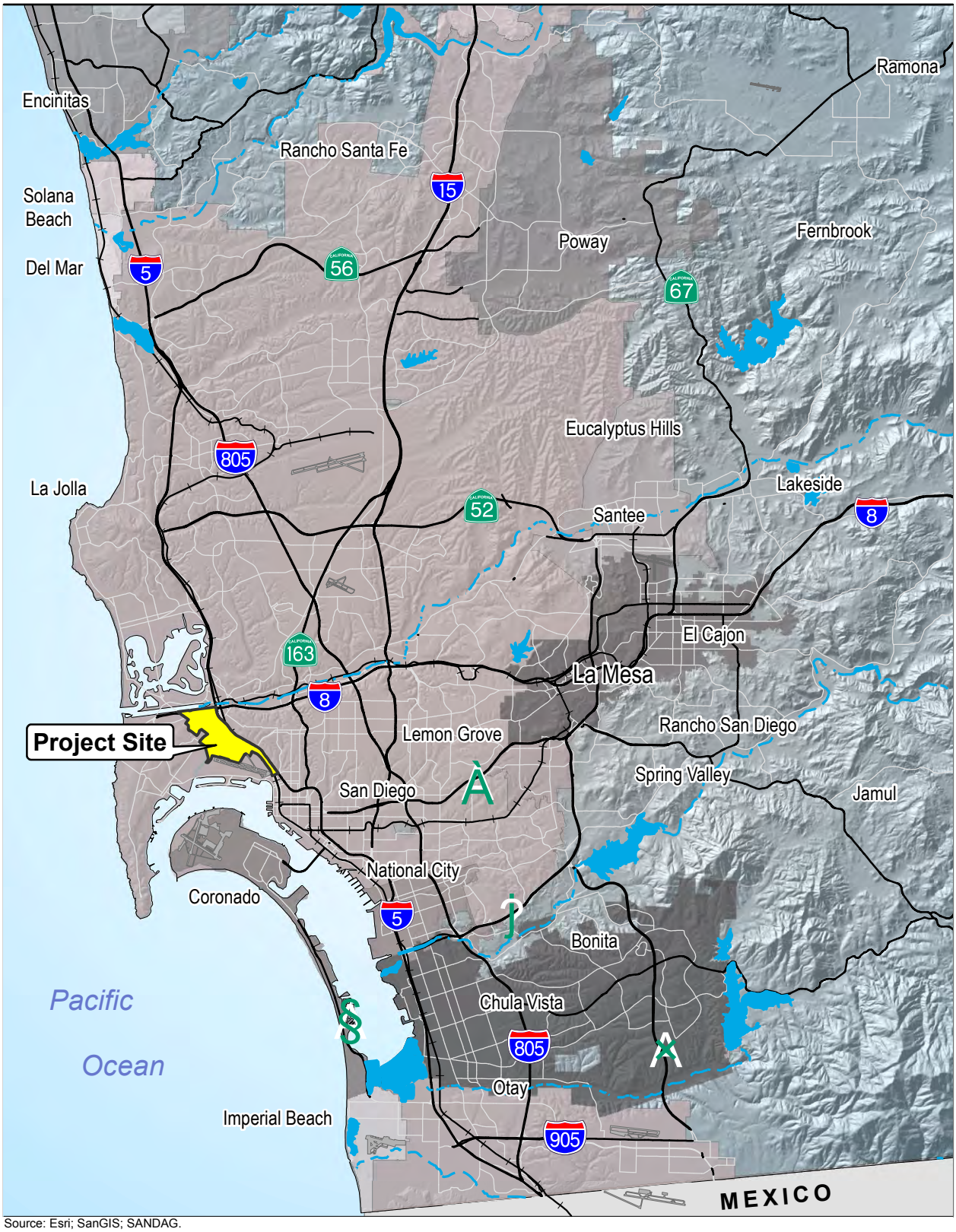
The greenhouse gas (GHG) analysis was prepared to support the City of San Diego environmental review process. The purpose of this report is to discuss global climate change and existing GHG emissions sources and estimate the emissions from implementation of the proposed CPU.

GHG emissions have the potential to adversely affect the environment because such emissions contribute, on a cumulative basis, to global climate change. Global climate change also has the potential to result in sea level rise (resulting in flooding of low-lying areas), affect rainfall and snowfall (leading to changes in water supply and runoff), affect temperatures and habitats (affecting biological and agricultural resources), and result in many other adverse effects.

1.1 PROJECT DESCRIPTION

The project includes the comprehensive update to the Midway-Pacific Highway Community Plan, which is intended to guide development through 2035 build-out of the Community Plan. The proposed CPU provides detailed policy direction to implement the General Plan with respect to the distribution and arrangement of land uses (public and private); local street and transit network; prioritization and provision of public facilities, community, and site-specific urban design guidelines; and recommendations to preserve and enhance natural open space and historic and cultural resources within the Midway-Pacific Highway community.

The Midway-Pacific Highway community desires to be an attractive, vibrant and healthy community with entertainment, employment, commercial, and housing uses. The community will contain new mixed-use and multiple-use development and a diversity of housing types in districts and villages close to transit stops and stations, supporting the “City of Villages” General Plan concept. The community also seeks to have high-quality parks and recreational facilities including linear parks, community parks and plazas, and improved access to the nearby recreational amenities at San Diego Bay, Mission Bay and the San Diego River. The CPU proposes a multi-modal transportation system that improves access to community land uses, comfort, and safety for pedestrians, bicyclists, and transit riders.



Source: Esri; SanGIS; SANDAG.

4.5 2.25 0 4.5 Miles

Scale: 1:285,120 ; 1 in = 4.5 miles

Figure 1
Regional Location

Midway-Pacific Highway Community Plan Update

Path: P:_6044\60440144_MidOld_CPU\900-CAD-GIS\920 GIS\922_Maps\CommunityPlan\Midway_Regional.mxd, 8/17/2017, paul.moreno

SECTION 2
EXISTING CONDITIONS

2.1 SCIENTIFIC BASIS OF CLIMATE CHANGE

Certain gases in the earth's atmosphere, classified as GHGs, play a critical role in determining the earth's surface temperature. A portion of the solar radiation that enters the earth's atmosphere is absorbed by the earth's surface, and a smaller portion of this radiation is reflected back toward space. This infrared radiation (i.e., thermal heat) is absorbed by GHGs within the earth's atmosphere. As a result, infrared radiation released from the earth that otherwise would have escaped back into space is instead "trapped," resulting in a warming of the atmosphere. This phenomenon, known as the "greenhouse effect," is responsible for maintaining a habitable climate on the earth.

GHGs are present in the atmosphere naturally, are released by natural and anthropogenic sources, and are formed from secondary reactions taking place in the atmosphere. Natural sources of GHGs include the respiration of humans, animals and plants, decomposition of organic matter, and evaporation from the oceans. Anthropogenic sources include the combustion of fossil fuels, waste treatment, and agricultural processes. The following are GHGs that are widely accepted as the principal contributors to human-induced global climate change:

- Carbon dioxide (CO_2)
- Methane (CH_4)
- Nitrous oxide (N_2O)
- Hydrofluorocarbons (HFCs)
- Perfluorocarbons (PFCs)
- Sulfur Hexafluoride (SF_6)
- Nitrogen Trifluoride (NF_3)

Emissions of CO_2 are byproducts of fossil fuel combustion. CH_4 is the main component of natural gas and is associated with agricultural practices and landfills. N_2O is a colorless GHG that results from industrial processes, vehicle emissions, and agricultural practices. HFCs are synthetic chemicals used as a substitute for chlorofluorocarbons in automobile air conditioners and refrigerants. PFCs are produced as a byproduct of various industrial processes associated with aluminum production and the manufacturing of semiconductors. SF_6 is an inorganic, odorless, colorless, nontoxic, nonflammable GHG used for insulation in electric power transmission and distribution equipment, and in semiconductor manufacturing. NF_3 is used in the electronics industry during the manufacturing of consumer items, including photovoltaic solar panels and liquid-crystal-display (i.e., LCD) television screens.

Global warming potential (GWP) is a concept developed to compare the ability of each GHG to trap heat in the atmosphere relative to CO_2. The GWP of a GHG is based on several factors, including the relative effectiveness of a gas to absorb infrared radiation and length of time (i.e., lifetime) that the gas remains in the atmosphere ("atmospheric lifetime"). The reference gas for GWP is CO_2; therefore, CO_2 has a GWP of 1. The other main GHGs that have been attributed to human activity include CH_4, which has a GWP of 25, and N_2O, which has a GWP of 298 (IPCC 2013). For example, 1 ton of CH_4 has the same contribution to the greenhouse effect as approximately 25 tons of CO_2. GHGs with lower emissions rates than CO_2

may still contribute to climate change, because they are more effective at absorbing outgoing infrared radiation than CO_2 (i.e., high GWP). The concept of CO_2-equivalents (CO_2e) is used to account for the different GWP potentials of GHGs to absorb infrared radiation.

Although the exact lifetime of any particular GHG molecule is dependent on multiple variables, it is understood by scientists who study atmospheric chemistry that more CO_2 is emitted into the atmosphere than is sequestered by ocean uptake, vegetation, and other forms of sequestration. GHG emissions related to human activities have been determined as "extremely likely" to be responsible (indicating 95 percent certainty) for intensifying the greenhouse effect and leading to a trend of unnatural warming of the earth's atmosphere and oceans, with corresponding effects on global circulation patterns and climate (ARB 2014a). The quantity of GHGs that it takes to ultimately result in climate change is not precisely known; however, no single project is expected to measurably contribute to a noticeable incremental change in the global average temperature, or to a global, local, or micro climate.

2.2 GHG EMISSION SOURCES

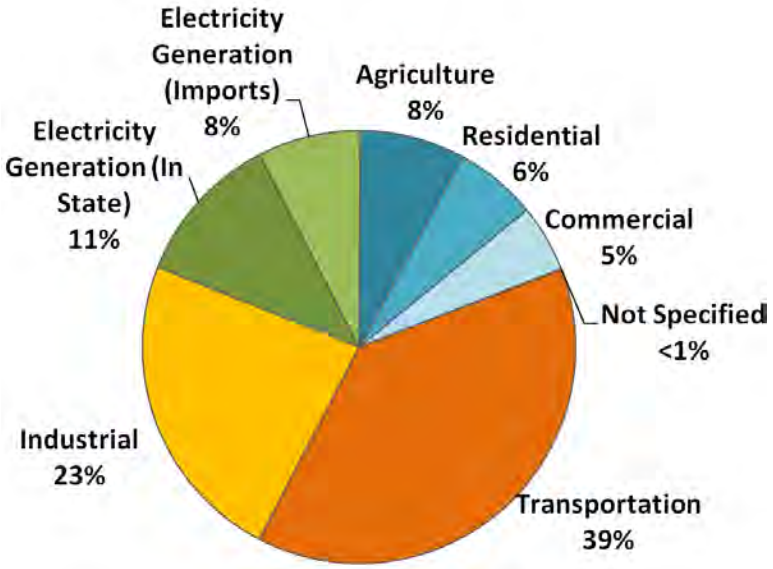
GHG emissions contributing to global climate change are attributable in large part to human activities associated with the transportation, industrial/manufacturing, electric utility, residential, commercial, and agricultural categories. Emissions of CO_2 are byproducts of fossil fuel combustion, and CH_4, a highly potent GHG, is the primary component in natural gas and is associated with agricultural practices and landfills. N_2O is also largely attributable to agricultural practices and soil management.

For purposes of accounting for and regulating GHG emissions, sources of GHG emissions are grouped into emission categories. The California Air Resources Board (ARB) identifies the following main GHG emission categories that account for most anthropogenic GHG emissions generated within California:

- *Transportation:* On-road motor vehicles, recreational vehicles, aviation, ships, and rail
- *Electric Power:* Use and production of electrical energy
- *Industrial:* Mainly stationary sources (e.g., boilers and engines) associated with process emissions
- *Commercial and Residential:* Area sources, such as landscape maintenance equipment, fireplaces, and consumption of natural gas for space and water heating
- *Agriculture:* Agricultural sources that include off-road farm equipment; irrigation pumps; crop residue burning (CO_2); and emissions from flooded soils, livestock waste, crop residue decomposition, and fertilizer volatilization (CH_4 and N_2O)
- *High GWP:* Refrigerants for stationary and mobile-source air conditioning and refrigeration, electrical insulation (e.g., SF_6), and various consumer products that use pressurized containers
- *Recycling and Waste:* Waste management facilities and landfills; primary emissions are CO_2 from combustion and CH_4 from landfills and wastewater treatment

California

ARB performs an annual GHG inventory for emissions and sinks of the six major GHGs. As shown in Figure 1, California produced 440 million metric tons (MMT) of CO_2e in 2015. Combustion of fossil fuel in the transportation category was the single largest source of California's GHG emissions in 2015, accounting for 39 percent of total GHG emissions in the state. The transportation category was followed by the industrial category, which accounts for 23 percent of total GHG emissions in California, the electric power generation category (including in-state and out-of-state sources), which accounts for 19 percent of total GHG emissions in California, and the agriculture sector which accounts for 8 percent of the state's total GHG emissions (ARB 2017).



Source: ARB 2017

Figure 1. 2015 California GHG Emissions by Category

San Diego County

The University of San Diego School of Law, Energy Policy Initiative Center, prepared a GHG inventory for San Diego County in 2008. The inventory was updated in 2013 using the best available data and following the U.S. Community Protocol for Accounting and Reporting of GHG Emissions (University of San Diego 2013). Total GHG emissions in San Diego County in 2010 were estimated to be 32.1 MMT of CO_2e. This represents a 9 percent increase compared to 1990 emissions levels of 29 MMT CO_2e (University of San Diego 2013).

Transportation is the largest emissions sector, accounting for approximately 14 MMT of CO_2e, or 43 percent of total emissions. Energy consumption, including electricity and natural gas use, is the next largest source of emissions, at 33 percent of the total.

City of San Diego

The City of San Diego emitted approximately 15.5 million tons (MT) of GHGs in 1990 (City of San Diego 2005). Citywide emission levels were previously projected to result in an increase to 22.5 MT per year by

2010. The most recent GHG inventory for the year 2015 estimated the total emissions at 10.8 MMT CO_2e per year (City of San Diego 2016). Transportation is the largest emissions sector, accounting for approximately 54 percent of total emissions. Energy consumption is the next largest source of emissions, at 44 percent of the total. Accounting for future population and economic growth, the City estimates that GHG emissions will increase to approximately 14.1 MMT CO_2e in 2020 and 16.7 MMT CO_2e in 2035 (City of San Diego 2016).

2.3 GLOBAL CLIMATE TRENDS AND ASSOCIATED IMPACTS

Trends of Climate Change

The Intergovernmental Panel on Climate Change (IPCC) concluded that variations in natural phenomena, such as solar radiation and volcanoes, produced most of the warming of the earth from pre-industrial times to 1950. These variations in natural phenomena also had a small cooling effect. From 1950 to the present, increasing GHG concentrations resulting from human activity, such as fossil fuel burning and deforestation, have been responsible for most of the observed temperature increase.

Global surface temperature has increased by approximately 1.53 degrees Fahrenheit (°F) over the last 140 years (IPCC 2013); however, the rate of increase in global average surface temperature has not been consistent. The last three decades have warmed at a much faster rate per decade (IPCC 2013).

During the same period when increased global warming has occurred, many other changes have occurred in other natural systems. Sea levels have risen; precipitation patterns throughout the world have shifted, with some areas becoming wetter and others drier; snowlines have raised in elevation, resulting in changes to the snowpack, runoff, and water storage; and numerous other conditions have been observed. Although it is difficult to prove a definitive cause-and-effect relationship between global warming and other observed changes to natural systems, there is a high level of confidence in the scientific community that these changes are a direct result of increased global temperatures caused by the increased presence of GHGs in the atmosphere (IPCC 2013).

Additional changes related to climate change can be expected by the year 2050 and on to the end of the century, including the following:

- California's mean temperature may rise by 2.7°F by 2050 and by 4.1°F to 8.6°F by the end of the century (CEC 2012). Temperatures in San Diego County may rise by 3.2°F to 5.8°F during that same period (CEC 2016).
- A consistent rise in sea level has been recorded worldwide over the last 100 years. Rising average sea level over the past century has been attributed primarily to warming of the world's oceans, the related thermal expansion of ocean waters, and the addition of water to the world's oceans from the melting of land-based polar ice (IPCC 2007). Sea level rise is expected to continue, and the most recent climate science report, Sea Level Rise for the Coasts of California, Oregon, and Washington: Past, Present, and Future, has estimated that sea levels along the U.S. Pacific coast will increase by up to 66 inches by 2100 (NRC 2012). The project site would not be subject to flooding as a result of climate-change-related sea level rise.

- Various California climate models provide mixed results regarding forecasted changes in total annual precipitation in the state through the end of this century. However, recent projections suggest that 30-year statewide average precipitation will decline by more than 10% (CEC 2012).
- Historically, extreme warm temperatures in the San Diego region have mostly occurred in July and August, but as climate warming continues, the occurrences of these events will likely begin in June and could continue to take place into September. All simulations indicate that hot daytime and nighttime temperatures (heat waves) will increase in frequency, magnitude, and duration (San Diego Foundation 2008).

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SECTION 3
METHODOLOGY

GHG emissions due to the construction and operation of future projects under the proposed Midway-Pacific Highway CPU were calculated using California Emissions Estimator Model (CalEEMod) version 2016.3.1. The emissions sources include construction (off-road vehicles), mobile (on road vehicles), area (fireplaces, consumer products [cleansers, aerosols, and solvents], landscape maintenance equipment, and architectural coatings), water and wastewater, and solid waste sources. As explained previously, GHG emissions are estimated in terms of CO_2e to account for the different GWP potentials of GHGs. Where project-specific data was not available, model inputs were based on default CalEEMod estimates as explained in more detail below.

Construction Emissions

At a program level, it would be speculative to estimate the schedule and construction requirements of individual projects that could occur in the Midway-Pacific Highway CPU area. In addition, GHG emissions would occur based on the entire construction activities through 2035. Thus, this analysis relies on the methodology used in the San Diego County Updated Greenhouse Gas Inventory (San Diego County 2013), which forecasts that between 2015 and 2035 construction emissions would comprise roughly 2.1 percent of total GHG emissions within the County of San Diego. Therefore, based on the operational GHG emissions estimated in Table 1, total construction emissions for the proposed Midway-Pacific Highway CPU would be 3,603 MT CO_2e.

Operational Emissions

In order to analyze the GHG emissions associated with implementation of the proposed Midway-Pacific Highway CPU and associated discretionary actions, an inventory was developed based on the land use designations associated with the adopted and proposed Community Plans. Considering that the adopted Community Plan projects have not yet been completed at the time of this analysis, an analysis of existing emissions compared with the proposed Midway-Pacific Highway CPU improvements would not accurately disclose the impacts of the project. Rather, comparing GHG emissions from future operations with the adopted Community Plan and the proposed Midway-Pacific Highway CPU provides the best indicator of the project's long-term effect on GHG emissions. Therefore, the analysis of the proposed Midway-Pacific Highway CPU and associated discretionary actions is based on the net change in future GHG emissions estimates derived from the adopted Community Plan.

As compared to the existing land uses, the proposed Midway-Pacific Highway CPU and associated discretionary actions would reduce institutional land uses while increasing the development of commercial uses and multi-family dwelling units. This change represents an increase in land use types and density in the Community Plan area. The proposed Midway-Pacific Highway CPU and associated discretionary actions would change the planned land use mix as follows:

- Increase the projected number of multi-family residential units by approximately 40 percent;
- Increase the amount of land designated for commercial development by 13 percent, and

- Decrease the amount of land designated for institutional development by 3 percent.

The following subsections describe the assumptions and methodology used for the mobile, energy, area, water and wastewater, and solid waste emission sources.

Mobile Source Emissions

GHG emissions from vehicles are calculated based on the vehicle type, the trip rate, and trip length for each land use. Mobile source emissions were estimated based on the vehicle miles traveled (VMT) for the area estimated in the Traffic Impact Study (TIS) (Chen Ryan 2017). GHG emissions generated from mobile sources were estimated based on CARB's Emission Factor (EMFAC2014) model. EMFAC2014 includes GHG reducing effects from the implementation of Pavley I (Clean Car Standards) and the Low Carbon Fuel Standard, and are thus considered in the calculation of emissions. The VMT for the area provided in the TIS was weighted by the percentage of VMT for each vehicle type and multiplied by the aggregate speed emission factor for CO_2e to estimate daily emissions.

The proposed Midway-Pacific Highway CPU encourages increased development diversity by increasing commercial and multi-family land uses in certain areas, while decreasing the number of planned institutional land uses. The proposed Midway-Pacific Highway CPU and associated discretionary actions proposes an increase in multi-family residences in close proximity to transit and existing commercial uses.

Energy Source Emissions

CalEEMod estimates GHG emissions from energy use by multiplying rates of residential and non-residential energy consumption by the number of residential units and non-residential square footage to obtain total projected energy use for each land use subtype. This value is then multiplied by electricity and natural gas GHG emission factors applicable to the project location and utility provider.

Building energy use is typically divided into energy consumed by the built environment and energy consumed by uses that are independent of the construction of the building such as plug-in appliances. In California, Title 24 governs energy consumed by the built environment, mechanical systems, and some types of fixed lighting. Non-building energy use, or "plug-in energy use," can be further subdivided by specific end-use (refrigeration, cooking, office equipment, etc.).

Energy consumption values are based on the California Energy Commission (CEC) sponsored *California Commercial End Use Survey and Residential Appliance Saturation Survey* studies, which identify energy use by building type and climate zone. CalEEMod 2016.3.1 is based on the 2013 Title 24 energy code (Part 6 of the Building Code).

The Midway-Pacific Highway CPU area would be served by San Diego Gas & Electric (SDG&E). Therefore, SDG&E's specific energy intensity factors (i.e., the amount of CO_2, CH_4, and N_2O per kilowatt-hour) are used in the calculations of GHG emissions. The state mandate for renewable energy is 33 percent by 2020 and 50 percent by 2030 under the RPS. However, the analysis conservatively assumes the same RPS as existing conditions.

Area Source Emissions

Area sources include GHG emissions that would occur from the use of landscaping and related equipment. The use of landscape equipment emits GHGs associated with the equipment's fuel combustion.

Water and Wastewater Emissions

The amount of water used and wastewater generated by a project has indirect GHG emissions associated with it. These emissions are a result of the energy used to supply, distribute, and treat the water and wastewater. In addition to the indirect GHG emissions associated with energy use, wastewater treatment can directly emit both CH_4 and N_2O.

The indoor and outdoor water use consumption data in CalEEMod for each land use subtype comes from the Pacific Institute's Waste Not, Want Not: The Potential for Urban Water Conservation in California 2003 and the American Water Works Association Research Foundation's Commercial and Institutional End Uses of Water 2000. Based on those reports, a percentage of total water consumption was dedicated to landscape irrigation, which is used to determine outdoor water use. Wastewater generation was similarly based on a reported percentage of total indoor water use (ARB 2008).

In addition to water reductions under the California Green Building Standards Code, the GHG emissions from the energy used to transport the water are affected by RPS. As discussed previously, the analysis conservatively assumes existing RPS.

Solid Waste Emissions

The disposal of solid waste produces GHG emissions from anaerobic decomposition in landfills, incineration, and transportation of waste. To calculate the GHG emissions generated by disposing of solid waste for the project, CalEEMod uses annual waste disposal rates identified by California Department of Resources Recycling and Recovery for individual land uses. The methods for quantifying GHG emissions from solid waste are based on the United States Environmental Protection Agency (EPA) AP-42: Compilation of Air Emission Factors: Solid Waste Disposal method using the degradable organic content of waste. GHG emissions associated with the project's waste disposal were calculated using these parameters. No solid waste reductions were modeled.

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SECTION 4
EMISSION ESTIMATES

Based on the methodology summarized above, GHG emissions were calculated for the land uses of the adopted Community Plan (in 2035), and the land uses of the proposed Midway-Pacific Highway CPU and associated discretionary actions (in 2035). Table 1 summarizes the GHG emissions under each scenario. Appendix A contains additional methodology and modeling details.

Table 1
GHG Emissions for the Midway-Pacific Highway Community Plan Area
(MT CO_2e per Year)

Emission Source	Adopted Community Plan	Proposed CPU	Difference (Proposed – Adopted)
Mobile Sources	83,889	84,289	401
Energy Use	63,976	64,242	266
Area Sources	2,216	3,109	893
Solid Waste Disposal	6,642	6,525	-118
Water Use	12,974	13,425	451
Construction	3,564	3,603	40
TOTAL	**173,259**	**175,193**	**1,933**

Source: Estimated by AECOM in 2017.
Note: Totals may not add due to rounding.

As shown in the Table 1, implementation of the proposed Midway-Pacific Highway CPU and associated discretionary actions would result in an increase in GHG emissions of 1,933 MT CO_2e at build-out (2035) when compared to the emissions that would occur under the adopted Community Plan.

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SECTION 5
REFERENCES

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APPENDIX A

CALEEMOD MODELING DATA

Midway-Pacific CPU Alt. 3B Operations

San Diego County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Regional Shopping Center	2,227.33	1000sqft	192.93	2,227,328.00	0
Industrial Park	4,522.63	1000sqft	494.03	4,522,629.00	0
Junior College (2Yr)	186.87	1000sqft	17.08	186,873.00	0
Government Office Building	733.21	1000sqft	27.74	733,213.00	0
Hotel	639.00	Room	16.65	505,750.00	0
Apartments Low Rise	4,285.00	Dwelling Unit	136.10	4,285,000.00	12255
Other Asphalt Surfaces	317.27	Acre	317.27	13,820,281.20	0
General Office Building	1,915.42	1000sqft	122.19	1,915,422.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.6	**Precipitation Freq (Days)**	40
Climate Zone	13			**Operational Year**	2035
Utility Company	San Diego Gas & Electric				
CO2 Intensity (lb/MWhr)	720.49	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Midway-Pacific CPU Alt. 3B Operations - San Diego County, Annual

Project Characteristics - Operations only at build out.

Land Use - Alt 3B land uses. Industrial land use includes industrial, utilities, and military land uses.

Construction Phase - Operations only.

Off-road Equipment - Operations only.

Off-road Equipment - Operations only.

Off-road Equipment - Operations only.

Off-road Equipment - Operations only.

Off-road Equipment - Operations only.

Off-road Equipment - Operations only.

Grading - Operations only.

Trips and VMT - Operations only.

Architectural Coating - Operations only.

Vehicle Trips - Operational mobile source emissions calculated separately.

Woodstoves - No woodstoves or woodburning fireplaces.

Area Coating - SDAPCD Rule 67

Energy Use -

Table Name	Column Name	Default Value	New Value
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tblArchitecturalCoating	ConstArea_Nonresidential_Interior	15,136,823.00	0.00
tblArchitecturalCoating	ConstArea_Parking	829,217.00	0.00
tblArchitecturalCoating	ConstArea_Residential_Exterior	2,892,375.00	0.00
tblArchitecturalCoating	ConstArea_Residential_Interior	8,677,125.00	0.00
tblAreaCoating	Area_EF_Residential_Interior	250	50
tblFireplaces	NumberGas	2,356.75	3,856.50
tblFireplaces	NumberWood	1,499.75	0.00
tblLandUse	BuildingSpaceSquareFeet	2,227,330.00	2,227,328.00

tblLandUse	BuildingSpaceSquareFeet	4,522,630.00	4,522,629.00
tblLandUse	BuildingSpaceSquareFeet	927,828.00	505,750.00
tblLandUse	BuildingSpaceSquareFeet	1,915,420.00	1,915,422.00
tblLandUse	LandUseSquareFeet	2,227,330.00	2,227,328.00
tblLandUse	LandUseSquareFeet	4,522,630.00	4,522,629.00
tblLandUse	LandUseSquareFeet	927,828.00	505,750.00
tblLandUse	LandUseSquareFeet	1,915,420.00	1,915,422.00
tblLandUse	LotAcreage	51.13	192.93
tblLandUse	LotAcreage	103.83	494.03
tblLandUse	LotAcreage	4.29	17.08
tblLandUse	LotAcreage	16.83	27.74
tblLandUse	LotAcreage	21.30	16.65
tblLandUse	LotAcreage	267.81	136.10
tblLandUse	LotAcreage	43.97	122.19
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	7.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	7.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblProjectCharacteristics	OperationalYear	2018	2035
tblTripsAndVMT	VendorTripNumber	4,377.00	0.00

tblTripsAndVMT	WorkerTripNumber	2,528.00	0.00
tblTripsAndVMT	WorkerTripNumber	12,640.00	0.00
tblVehicleTrips	ST_TR	7.16	0.00
tblVehicleTrips	ST_TR	2.46	0.00
tblVehicleTrips	ST_TR	8.19	0.00
tblVehicleTrips	ST_TR	2.49	0.00
tblVehicleTrips	ST_TR	11.23	0.00
tblVehicleTrips	ST_TR	49.97	0.00
tblVehicleTrips	SU_TR	6.07	0.00
tblVehicleTrips	SU_TR	1.05	0.00
tblVehicleTrips	SU_TR	5.95	0.00
tblVehicleTrips	SU_TR	0.73	0.00
tblVehicleTrips	SU_TR	1.21	0.00
tblVehicleTrips	SU_TR	25.24	0.00
tblVehicleTrips	WD_TR	6.59	0.00
tblVehicleTrips	WD_TR	11.03	0.00
tblVehicleTrips	WD_TR	68.93	0.00
tblVehicleTrips	WD_TR	8.17	0.00
tblVehicleTrips	WD_TR	6.83	0.00
tblVehicleTrips	WD_TR	27.49	0.00
tblVehicleTrips	WD_TR	42.70	0.00
tblWoodstoves	NumberCatalytic	214.25	0.00
tblWoodstoves	NumberNoncatalytic	214.25	0.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2017	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2017	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
		Highest		

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	73.1582	2.9895	32.9172	0.0184		0.3888	0.3888		0.3888	0.3888	0.0000	3,089.7317	3,089.7317	0.1082	0.0557	3,109.0315
Energy	1.3388	11.9901	8.8977	0.0730		0.9250	0.9250		0.9250	0.9250	0.0000	63,986.2502	63,986.2502	2.2961	0.6654	64,241.9504
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	2,633.5784	0.0000	2,633.5784	155.6400	0.0000	6,524.5789
Water						0.0000	0.0000		0.0000	0.0000	634.9825	10,663.6518	11,298.6343	65.6480	1.6288	13,425.2049
Total	**74.4970**	**14.9797**	**41.8149**	**0.0915**	**0.0000**	**1.3138**	**1.3138**	**0.0000**	**1.3138**	**1.3138**	**3,268.5608**	**77,739.6338**	**81,008.1946**	**223.6923**	**2.3499**	**87,300.7657**

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	73.1582	2.9895	32.9172	0.0184		0.3888	0.3888		0.3888	0.3888	0.0000	3,089.7317	3,089.7317	0.1082	0.0557	3,109.0315
Energy	1.3388	11.9901	8.8977	0.0730		0.9250	0.9250		0.9250	0.9250	0.0000	63,986.2502	63,986.2502	2.2961	0.6654	64,241.9504
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	2,633.5784	0.0000	2,633.5784	155.6400	0.0000	6,524.5789
Water						0.0000	0.0000		0.0000	0.0000	634.9825	10,663.6518	11,298.6343	65.6480	1.6288	13,425.2049
Total	**74.4970**	**14.9797**	**41.8149**	**0.0915**	**0.0000**	**1.3138**	**1.3138**	**0.0000**	**1.3138**	**1.3138**	**3,268.5608**	**77,739.6338**	**81,008.1946**	**223.6923**	**2.3499**	**87,300.7657**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Architectural Coating	Architectural Coating	6/12/2017	6/11/2017	5	11000	
2	Building Construction	Building Construction	6/12/2017	6/11/2017	5	155000	
3	Demolition	Demolition	6/12/2017	6/11/2017	5	10000	
4	Grading	Grading	6/12/2017	6/11/2017	5	15500	
5	Paving	Paving	6/12/2017	6/11/2017	5	11000	
6	Site Preparation	Site Preparation	6/12/2017	6/11/2017	5	6000	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 317.27

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

OffRoad Equipment

Midway-Pacific CPU Alt. 3B Operations - San Diego County, Annual

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	0	0.00	78	0.48
Demolition	Excavators	0	0.00	158	0.38
Demolition	Concrete/Industrial Saws	0	0.00	81	0.73
Grading	Excavators	0	0.00	158	0.38
Building Construction	Cranes	0	0.00	231	0.29
Building Construction	Forklifts	0	0.00	89	0.20
Building Construction	Generator Sets	0	0.00	84	0.74
Paving	Pavers	0	0.00	130	0.42
Paving	Rollers	0	0.00	80	0.38
Demolition	Rubber Tired Dozers	0	0.00	247	0.40
Grading	Rubber Tired Dozers	0	0.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	0	0.00	97	0.37
Grading	Graders	0	0.00	187	0.41
Grading	Tractors/Loaders/Backhoes	0	0.00	97	0.37
Paving	Paving Equipment	0	0.00	132	0.36
Site Preparation	Tractors/Loaders/Backhoes	0	0.00	97	0.37
Site Preparation	Rubber Tired Dozers	0	0.00	247	0.40
Grading	Scrapers	0	0.00	367	0.48
Building Construction	Welders	0	0.00	46	0.45

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
Architectural Coating	0	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	0	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Demolition	0	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	0	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	0	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	0	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Architectural Coating - 2017

Unmitigated Construction On-Site

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

3.2 Architectural Coating - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

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

3.2 Architectural Coating - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.3 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.3 Building Construction - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

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

3.3 Building Construction - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.4 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					
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.4 Demolition - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

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

3.4 Demolition - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.5 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.5 Grading - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

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

3.5 Grading - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.6 Paving - 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Paving	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.6 Paving - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

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

3.6 Paving - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.7 Site Preparation - 2017

Unmitigated Construction On-Site

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

3.7 Site Preparation - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

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

3.7 Site Preparation - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	0.00	0.00	0.00		
General Office Building	0.00	0.00	0.00		
Government Office Building	0.00	0.00	0.00		
Hotel	0.00	0.00	0.00		
Industrial Park	0.00	0.00	0.00		
Junior College (2Yr)	0.00	0.00	0.00		
Other Asphalt Surfaces	0.00	0.00	0.00		
Regional Shopping Center	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Low Rise	10.80	7.30	7.50	41.60	18.80	39.60	86	11	3
General Office Building	9.50	7.30	7.30	33.00	48.00	19.00	77	19	4
Government Office Building	9.50	7.30	7.30	33.00	62.00	5.00	50	34	16
Hotel	9.50	7.30	7.30	19.40	61.60	19.00	58	38	4
Industrial Park	9.50	7.30	7.30	59.00	28.00	13.00	79	19	2
Junior College (2Yr)	9.50	7.30	7.30	6.40	88.60	5.00	92	7	1
Other Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Regional Shopping Center	9.50	7.30	7.30	16.30	64.70	19.00	54	35	11

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Regional Shopping Center	0.617626	0.036451	0.176904	0.096837	0.011340	0.005282	0.018425	0.026503	0.001944	0.001632	0.005548	0.000800	0.000709
Industrial Park	0.617626	0.036451	0.176904	0.096837	0.011340	0.005282	0.018425	0.026503	0.001944	0.001632	0.005548	0.000800	0.000709
Junior College (2Yr)	0.617626	0.036451	0.176904	0.096837	0.011340	0.005282	0.018425	0.026503	0.001944	0.001632	0.005548	0.000800	0.000709
Government Office Building	0.617626	0.036451	0.176904	0.096837	0.011340	0.005282	0.018425	0.026503	0.001944	0.001632	0.005548	0.000800	0.000709
Hotel	0.617626	0.036451	0.176904	0.096837	0.011340	0.005282	0.018425	0.026503	0.001944	0.001632	0.005548	0.000800	0.000709
Apartments Low Rise	0.617626	0.036451	0.176904	0.096837	0.011340	0.005282	0.018425	0.026503	0.001944	0.001632	0.005548	0.000800	0.000709
Other Asphalt Surfaces	0.617626	0.036451	0.176904	0.096837	0.011340	0.005282	0.018425	0.026503	0.001944	0.001632	0.005548	0.000800	0.000709
General Office Building	0.617626	0.036451	0.176904	0.096837	0.011340	0.005282	0.018425	0.026503	0.001944	0.001632	0.005548	0.000800	0.000709

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Midway-Pacific CPU Alt. 3B Operations - San Diego County, Annual

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	50,736.7009	50,736.7009	2.0422	0.4225	50,913.6656
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	50,736.7009	50,736.7009	2.0422	0.4225	50,913.6656
NaturalGas Mitigated	1.3388	11.9901	8.8977	0.0730		0.9250	0.9250		0.9250	0.9250	0.0000	13,249.5493	13,249.5493	0.2540	0.2429	13,328.2848
NaturalGas Unmitigated	1.3388	11.9901	8.8977	0.0730		0.9250	0.9250		0.9250	0.9250	0.0000	13,249.5493	13,249.5493	0.2540	0.2429	13,328.2848

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					
Apartments Low Rise	6.14754e+007	0.3315	2.8327	1.2054	0.0181		0.2290	0.2290		0.2290	0.2290	0.0000	3,280.5635	3,280.5635	0.0629	0.0601	3,300.0582
General Office Building	3.88256e+007	0.2094	1.9032	1.5987	0.0114		0.1446	0.1446		0.1446	0.1446	0.0000	2,071.8821	2,071.8821	0.0397	0.0380	2,084.1942
Government Office Building	1.48622e+007	0.0801	0.7285	0.6120	4.3700e-003		0.0554	0.0554		0.0554	0.0554	0.0000	793.1051	793.1051	0.0152	0.0145	797.8181
Hotel	2.9642e+007	0.1598	1.4530	1.2206	8.7200e-003		0.1104	0.1104		0.1104	0.1104	0.0000	1,581.8104	1,581.8104	0.0303	0.0290	1,591.2103
Industrial Park	9.16737e+007	0.4943	4.4938	3.7748	0.0270		0.3415	0.3415		0.3415	0.3415	0.0000	4,892.0572	4,892.0572	0.0938	0.0897	4,921.1283
Junior College (2Yr)	6.819e+006	0.0368	0.3343	0.2808	2.0100e-003		0.0254	0.0254		0.0254	0.0254	0.0000	363.8876	363.8876	6.9700e-003	6.6700e-003	366.0500
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	4.98921e+006	0.0269	0.2446	0.2054	1.4700e-003		0.0186	0.0186		0.0186	0.0186	0.0000	266.2435	266.2435	5.1000e-003	4.8800e-003	267.8257
Total		**1.3388**	**11.9901**	**8.8976**	**0.0730**		**0.9250**	**0.9250**		**0.9250**	**0.9250**	**0.0000**	**13,249.5493**	**13,249.5493**	**0.2539**	**0.2429**	**13,328.2848**

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					
Apartments Low Rise	6.14754e+007	0.3315	2.8327	1.2054	0.0181		0.2290	0.2290		0.2290	0.2290	0.0000	3,280.5635	3,280.5635	0.0629	0.0601	3,300.0582
General Office Building	3.88256e+007	0.2094	1.9032	1.5987	0.0114		0.1446	0.1446		0.1446	0.1446	0.0000	2,071.8821	2,071.8821	0.0397	0.0380	2,084.1942
Government Office Building	1.48622e+007	0.0801	0.7285	0.6120	4.3700e-003		0.0554	0.0554		0.0554	0.0554	0.0000	793.1051	793.1051	0.0152	0.0145	797.8181
Hotel	2.9642e+007	0.1598	1.4530	1.2206	8.7200e-003		0.1104	0.1104		0.1104	0.1104	0.0000	1,581.8104	1,581.8104	0.0303	0.0290	1,591.2103
Industrial Park	9.16737e+007	0.4943	4.4938	3.7748	0.0270		0.3415	0.3415		0.3415	0.3415	0.0000	4,892.0572	4,892.0572	0.0938	0.0897	4,921.1283
Junior College (2Yr)	6.819e+006	0.0368	0.3343	0.2808	2.0100e-003		0.0254	0.0254		0.0254	0.0254	0.0000	363.8876	363.8876	6.9700e-003	6.6700e-003	366.0500
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	4.98921e+006	0.0269	0.2446	0.2054	1.4700e-003		0.0186	0.0186		0.0186	0.0186	0.0000	266.2435	266.2435	5.1000e-003	4.8800e-003	267.8257
Total		**1.3388**	**11.9901**	**8.8976**	**0.0730**		**0.9250**	**0.9250**		**0.9250**	**0.9250**	**0.0000**	**13,249.5493**	**13,249.5493**	**0.2539**	**0.2429**	**13,328.2848**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	1.94382e+007	6,352.5797	0.2557	0.0529	6,374.7369
General Office Building	2.63562e+007	8,613.4394	0.3467	0.0717	8,643.4823
Government Office Building	1.0089e+007	3,297.1772	0.1327	0.0275	3,308.6774
Hotel	6.72142e+006	2,196.6182	0.0884	0.0183	2,204.2798
Industrial Park	6.22314e+007	20,337.7589	0.8186	0.1694	20,408.6951
Junior College (2Yr)	1.70241e+006	556.3635	0.0224	4.6300e-003	558.3041
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	2.87103e+007	9,382.7640	0.3777	0.0781	9,415.4902
Total		**50,736.7009**	**2.0422**	**0.4225**	**50,913.6656**

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	1.94382e+007	6,352.5797	0.2557	0.0529	6,374.7369
General Office Building	2.63562e+007	8,613.4394	0.3467	0.0717	8,643.4823
Government Office Building	1.0089e+007	3,297.1772	0.1327	0.0275	3,308.6774
Hotel	6.72142e+006	2,196.6182	0.0884	0.0183	2,204.2798
Industrial Park	6.22314e+007	20,337.7589	0.8186	0.1694	20,408.6951
Junior College (2Yr)	1.70241e+006	556.3635	0.0224	4.6300e-003	558.3041
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	2.87103e+007	9,382.7640	0.3777	0.0781	9,415.4902
Total		**50,736.7009**	**2.0422**	**0.4225**	**50,913.6656**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	73.1582	2.9895	32.9172	0.0184		0.3888	0.3888		0.3888	0.3888	0.0000	3,089.7317	3,089.7317	0.1082	0.0557	3,109.0315
Unmitigated	73.1582	2.9895	32.9172	0.0184		0.3888	0.3888		0.3888	0.3888	0.0000	3,089.7317	3,089.7317	0.1082	0.0557	3,109.0315

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	14.8549					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	57.0397					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.3069	2.6229	1.1161	0.0167		0.2121	0.2121		0.2121	0.2121	0.0000	3,037.5715	3,037.5715	0.0582	0.0557	3,055.6223
Landscaping	0.9568	0.3667	31.8011	1.6900e-003		0.1768	0.1768		0.1768	0.1768	0.0000	52.1603	52.1603	0.0500	0.0000	53.4092
Total	**73.1582**	**2.9895**	**32.9172**	**0.0184**		**0.3888**	**0.3888**		**0.3888**	**0.3888**	**0.0000**	**3,089.7317**	**3,089.7317**	**0.1082**	**0.0557**	**3,109.0315**

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	14.8549					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	57.0397					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.3069	2.6229	1.1161	0.0167		0.2121	0.2121		0.2121	0.2121	0.0000	3,037.5715	3,037.5715	0.0582	0.0557	3,055.6223
Landscaping	0.9568	0.3667	31.8011	1.6900e-003		0.1768	0.1768		0.1768	0.1768	0.0000	52.1603	52.1603	0.0500	0.0000	53.4092
Total	**73.1582**	**2.9895**	**32.9172**	**0.0184**		**0.3888**	**0.3888**		**0.3888**	**0.3888**	**0.0000**	**3,089.7317**	**3,089.7317**	**0.1082**	**0.0557**	**3,109.0315**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	11,298.6343	65.6480	1.6288	13,425.2049
Unmitigated	11,298.6343	65.6480	1.6288	13,425.2049

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	279.185 / 176.008	1,915.6675	9.1708	0.2300	2,213.4836
General Office Building	340.435 / 208.654	2,314.2714	11.1819	0.2803	2,677.3490
Government Office Building	145.659 / 89.275	990.1899	4.7843	0.1199	1,145.5372
Hotel	16.2094 / 1.80104	80.6588	0.5312	0.0131	97.8432
Industrial Park	1045.86 / 0	4,782.3234	34.2584	0.8418	5,889.6255
Junior College (2Yr)	9.16579 / 14.3362	93.9645	0.3023	7.8100e-003	103.8503
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	164.984 / 101.119	1,121.5589	5.4190	0.1358	1,297.5161
Total		**11,298.6343**	**65.6480**	**1.6288**	**13,425.2049**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	279.185 / 176.008	1,915.6675	9.1708	0.2300	2,213.4836
General Office Building	340.435 / 208.654	2,314.2714	11.1819	0.2803	2,677.3490
Government Office Building	145.659 / 89.275	990.1899	4.7843	0.1199	1,145.5372
Hotel	16.2094 / 1.80104	80.6588	0.5312	0.0131	97.8432
Industrial Park	1045.86 / 0	4,782.3234	34.2584	0.8418	5,889.6255
Junior College (2Yr)	9.16579 / 14.3362	93.9645	0.3023	7.8100e-003	103.8503
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	164.984 / 101.119	1,121.5589	5.4190	0.1358	1,297.5161
Total		**11,298.6343**	**65.6480**	**1.6288**	**13,425.2049**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	2,633.5784	155.6400	0.0000	6,524.5789
Unmitigated	2,633.5784	155.6400	0.0000	6,524.5789

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	1971.1	400.1155	23.6462	0.0000	991.2692
General Office Building	1781.34	361.5959	21.3697	0.0000	895.8386
Government Office Building	681.89	138.4175	8.1802	0.0000	342.9235
Hotel	349.85	71.0164	4.1970	0.0000	175.9401
Industrial Park	5608.06	1,138.3855	67.2767	0.0000	2,820.3019
Junior College (2Yr)	242.93	49.3126	2.9143	0.0000	122.1699
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	2338.7	474.7350	28.0560	0.0000	1,176.1358
Total		**2,633.5784**	**155.6400**	**0.0000**	**6,524.5789**

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	1971.1	400.1155	23.6462	0.0000	991.2692
General Office Building	1781.34	361.5959	21.3697	0.0000	895.8386
Government Office Building	681.89	138.4175	8.1802	0.0000	342.9235
Hotel	349.85	71.0164	4.1970	0.0000	175.9401
Industrial Park	5608.06	1,138.3855	67.2767	0.0000	2,820.3019
Junior College (2Yr)	242.93	49.3126	2.9143	0.0000	122.1699
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	2338.7	474.7350	28.0560	0.0000	1,176.1358
Total		**2,633.5784**	**155.6400**	**0.0000**	**6,524.5789**

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Midway-Pacific 1991 CP Adopted Plan

San Diego County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Regional Shopping Center	2,975.76	1000sqft	234.26	2,975,759.00	0
Industrial Park	4,994.01	1000sqft	542.99	4,994,010.00	0
Junior College (2Yr)	186.87	1000sqft	10.93	186,873.00	0
Government Office Building	754.73	1000sqft	28.50	754,733.00	0
Hotel	658.00	Room	16.94	520,756.00	0
General Office Building	1,270.14	1000sqft	42.33	1,270,139.00	0
Apartments Low Rise	3,054.00	Dwelling Unit	113.96	3,054,000.00	8734
Other Asphalt Surfaces	334.08	Acre	334.08	0.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.6	**Precipitation Freq (Days)**	40
Climate Zone	13			**Operational Year**	2035
Utility Company	San Diego Gas & Electric				
CO2 Intensity (lb/MWhr)	720.49	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Operations only at build-out.

Land Use - Adopted plan land uses. Industrial land use includes industrial, utilities, and military land uses.

Construction Phase - Operations only.

Off-road Equipment - Operations only.

Off-road Equipment - Operations only.

Off-road Equipment - Operations only.

Off-road Equipment - Operations only.

Off-road Equipment - Operations only.

Off-road Equipment - Operations only.

Grading - Operations only.

Trips and VMT - Operations only.

Architectural Coating - Operations only.

Vehicle Trips - Operational Mobile Emissions calculated separately.

Area Coating - SDAPCD Rule 67

Woodstoves - No woodstoves or woodburning fireplaces

Energy Use -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	5,351,135.00	0.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	16,053,405.00	0.00
tblArchitecturalCoating	ConstArea_Residential_Exterior	2,061,450.00	0.00
tblArchitecturalCoating	ConstArea_Residential_Interior	6,184,350.00	0.00
tblAreaCoating	Area_EF_Residential_Interior	250	50
tblFireplaces	NumberGas	1,679.70	2,748.60
tblFireplaces	NumberWood	1,068.90	0.00
tblLandUse	BuildingSpaceSquareFeet	2,975,760.00	2,975,759.00
tblLandUse	BuildingSpaceSquareFeet	955,416.00	520,756.00

tblLandUse	BuildingSpaceSquareFeet	1,270,140.00	1,270,139.00
tblLandUse	BuildingSpaceSquareFeet	14,552,524.80	0.00
tblLandUse	LandUseSquareFeet	2,975,760.00	2,975,759.00
tblLandUse	LandUseSquareFeet	955,416.00	520,756.00
tblLandUse	LandUseSquareFeet	1,270,140.00	1,270,139.00
tblLandUse	LandUseSquareFeet	14,552,524.80	0.00
tblLandUse	LotAcreage	68.31	234.26
tblLandUse	LotAcreage	114.65	542.99
tblLandUse	LotAcreage	4.29	10.93
tblLandUse	LotAcreage	17.33	28.50
tblLandUse	LotAcreage	21.93	16.94
tblLandUse	LotAcreage	29.16	42.33
tblLandUse	LotAcreage	190.88	113.96
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	7.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	7.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblProjectCharacteristics	OperationalYear	2018	2035
tblTripsAndVMT	VendorTripNumber	2,081.00	0.00
tblTripsAndVMT	WorkerTripNumber	1,239.00	0.00

tblTripsAndVMT	WorkerTripNumber	6,194.00	0.00
tblVehicleTrips	ST_TR	7.16	0.00
tblVehicleTrips	ST_TR	2.46	0.00
tblVehicleTrips	ST_TR	8.19	0.00
tblVehicleTrips	ST_TR	2.49	0.00
tblVehicleTrips	ST_TR	11.23	0.00
tblVehicleTrips	ST_TR	49.97	0.00
tblVehicleTrips	SU_TR	6.07	0.00
tblVehicleTrips	SU_TR	1.05	0.00
tblVehicleTrips	SU_TR	5.95	0.00
tblVehicleTrips	SU_TR	0.73	0.00
tblVehicleTrips	SU_TR	1.21	0.00
tblVehicleTrips	SU_TR	25.24	0.00
tblVehicleTrips	WD_TR	6.59	0.00
tblVehicleTrips	WD_TR	11.03	0.00
tblVehicleTrips	WD_TR	68.93	0.00
tblVehicleTrips	WD_TR	8.17	0.00
tblVehicleTrips	WD_TR	6.83	0.00
tblVehicleTrips	WD_TR	27.49	0.00
tblVehicleTrips	WD_TR	42.70	0.00
tblWoodstoves	NumberCatalytic	152.70	0.00
tblWoodstoves	NumberNoncatalytic	152.70	0.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2017	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2017	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
		Highest		

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	68.9411	2.1310	23.4942	0.0131		0.2773	0.2773		0.2773	0.2773	0.0000	2,202.1753	2,202.1753	0.0773	0.0397	2,215.9348
Energy	1.2407	11.1502	8.5294	0.0677		0.8572	0.8572		0.8572	0.8572	0.0000	63,723.1419	63,723.1419	2.3060	0.6535	63,975.5412
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	2,681.1594	0.0000	2,681.1594	158.4520	0.0000	6,642.4590
Water						0.0000	0.0000		0.0000	0.0000	626.8320	10,248.5945	10,875.4265	64.7942	1.6055	12,973.7306
Total	**70.1818**	**13.2812**	**32.0236**	**0.0808**	**0.0000**	**1.1345**	**1.1345**	**0.0000**	**1.1345**	**1.1345**	**3,307.9914**	**76,173.9116**	**79,481.9030**	**225.6294**	**2.2988**	**85,807.6657**

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	68.9411	2.1310	23.4942	0.0131		0.2773	0.2773		0.2773	0.2773	0.0000	2,202.1753	2,202.1753	0.0773	0.0397	2,215.9348
Energy	1.2407	11.1502	8.5294	0.0677		0.8572	0.8572		0.8572	0.8572	0.0000	63,723.1419	63,723.1419	2.3060	0.6535	63,975.5412
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	2,681.1594	0.0000	2,681.1594	158.4520	0.0000	6,642.4590
Water						0.0000	0.0000		0.0000	0.0000	626.8320	10,248.5945	10,875.4265	64.7942	1.6055	12,973.7306
Total	**70.1818**	**13.2812**	**32.0236**	**0.0808**	**0.0000**	**1.1345**	**1.1345**	**0.0000**	**1.1345**	**1.1345**	**3,307.9914**	**76,173.9116**	**79,481.9030**	**225.6294**	**2.2988**	**85,807.6657**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Midway-Pacific 1991 CP Adopted Plan - San Diego County, Annual

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Architectural Coating	Architectural Coating	6/9/2017	6/8/2017	5	11000	
2	Building Construction	Building Construction	6/9/2017	6/8/2017	5	155000	
3	Demolition	Demolition	6/9/2017	6/8/2017	5	10000	
4	Grading	Grading	6/9/2017	6/8/2017	5	15500	
5	Paving	Paving	6/9/2017	6/8/2017	5	11000	
6	Site Preparation	Site Preparation	6/9/2017	6/8/2017	5	6000	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 334.08

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

OffRoad Equipment

Midway-Pacific 1991 CP Adopted Plan - San Diego County, Annual

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	0	0.00	78	0.48
Demolition	Excavators	0	0.00	158	0.38
Demolition	Concrete/Industrial Saws	0	0.00	81	0.73
Grading	Excavators	0	0.00	158	0.38
Building Construction	Cranes	0	0.00	231	0.29
Building Construction	Forklifts	0	0.00	89	0.20
Building Construction	Generator Sets	0	0.00	84	0.74
Paving	Pavers	0	0.00	130	0.42
Paving	Rollers	0	0.00	80	0.38
Demolition	Rubber Tired Dozers	0	0.00	247	0.40
Grading	Rubber Tired Dozers	0	0.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	0	0.00	97	0.37
Grading	Graders	0	0.00	187	0.41
Grading	Tractors/Loaders/Backhoes	0	0.00	97	0.37
Paving	Paving Equipment	0	0.00	132	0.36
Site Preparation	Tractors/Loaders/Backhoes	0	0.00	97	0.37
Site Preparation	Rubber Tired Dozers	0	0.00	247	0.40
Grading	Scrapers	0	0.00	367	0.48
Building Construction	Welders	0	0.00	46	0.45

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
Architectural Coating	0	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	0	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Demolition	0	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	0	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	0	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	0	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Architectural Coating - 2017

Unmitigated Construction On-Site

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

3.2 Architectural Coating - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

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

3.2 Architectural Coating - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.3 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.3 Building Construction - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

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

3.3 Building Construction - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.4 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					
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.4 Demolition - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

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

3.4 Demolition - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.5 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.5 Grading - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

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

3.5 Grading - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.6 Paving - 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Paving	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.6 Paving - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

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

3.6 Paving - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.7 Site Preparation - 2017

Unmitigated Construction On-Site

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

3.7 Site Preparation - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

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

3.7 Site Preparation - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	0.00	0.00	0.00		
General Office Building	0.00	0.00	0.00		
Government Office Building	0.00	0.00	0.00		
Hotel	0.00	0.00	0.00		
Industrial Park	0.00	0.00	0.00		
Junior College (2Yr)	0.00	0.00	0.00		
Other Asphalt Surfaces	0.00	0.00	0.00		
Regional Shopping Center	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Low Rise	10.80	7.30	7.50	41.60	18.80	39.60	86	11	3
General Office Building	9.50	7.30	7.30	33.00	48.00	19.00	77	19	4
Government Office Building	9.50	7.30	7.30	33.00	62.00	5.00	50	34	16
Hotel	9.50	7.30	7.30	19.40	61.60	19.00	58	38	4
Industrial Park	9.50	7.30	7.30	59.00	28.00	13.00	79	19	2
Junior College (2Yr)	9.50	7.30	7.30	6.40	88.60	5.00	92	7	1
Other Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Regional Shopping Center	9.50	7.30	7.30	16.30	64.70	19.00	54	35	11

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Regional Shopping Center	0.617626	0.036451	0.176904	0.096837	0.011340	0.005282	0.018425	0.026503	0.001944	0.001632	0.005548	0.000800	0.000709
Industrial Park	0.617626	0.036451	0.176904	0.096837	0.011340	0.005282	0.018425	0.026503	0.001944	0.001632	0.005548	0.000800	0.000709
Junior College (2Yr)	0.617626	0.036451	0.176904	0.096837	0.011340	0.005282	0.018425	0.026503	0.001944	0.001632	0.005548	0.000800	0.000709
Government Office Building	0.617626	0.036451	0.176904	0.096837	0.011340	0.005282	0.018425	0.026503	0.001944	0.001632	0.005548	0.000800	0.000709
Hotel	0.617626	0.036451	0.176904	0.096837	0.011340	0.005282	0.018425	0.026503	0.001944	0.001632	0.005548	0.000800	0.000709
General Office Building	0.617626	0.036451	0.176904	0.096837	0.011340	0.005282	0.018425	0.026503	0.001944	0.001632	0.005548	0.000800	0.000709
Apartments Low Rise	0.617626	0.036451	0.176904	0.096837	0.011340	0.005282	0.018425	0.026503	0.001944	0.001632	0.005548	0.000800	0.000709
Other Asphalt Surfaces	0.617626	0.036451	0.176904	0.096837	0.011340	0.005282	0.018425	0.026503	0.001944	0.001632	0.005548	0.000800	0.000709

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Midway-Pacific 1991 CP Adopted Plan - San Diego County, Annual

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	51,444.4688	51,444.4688	2.0707	0.4284	51,623.9022
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	51,444.4688	51,444.4688	2.0707	0.4284	51,623.9022
NaturalGas Mitigated	1.2407	11.1502	8.5294	0.0677		0.8572	0.8572		0.8572	0.8572	0.0000	12,278.6730	12,278.6730	0.2353	0.2251	12,351.6391
NaturalGas Unmitigated	1.2407	11.1502	8.5294	0.0677		0.8572	0.8572		0.8572	0.8572	0.0000	12,278.6730	12,278.6730	0.2353	0.2251	12,351.6391

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					
Apartments Low Rise	4.38147e+007	0.2363	2.0189	0.8591	0.0129		0.1632	0.1632		0.1632	0.1632	0.0000	2,338.1192	2,338.1192	0.0448	0.0429	2,352.0135
General Office Building	2.57457e+007	0.1388	1.2620	1.0601	7.5700e-003		0.0959	0.0959		0.0959	0.0959	0.0000	1,373.8895	1,373.8895	0.0263	0.0252	1,382.0539
Government Office Building	1.52984e+007	0.0825	0.7499	0.6299	4.5000e-003		0.0570	0.0570		0.0570	0.0570	0.0000	816.3829	816.3829	0.0157	0.0150	821.2343
Hotel	3.05215e+007	0.1646	1.4962	1.2568	8.9800e-003		0.1137	0.1137		0.1137	0.1137	0.0000	1,628.7440	1,628.7440	0.0312	0.0299	1,638.4228
Industrial Park	1.01229e+008	0.5458	4.9622	4.1682	0.0298		0.3771	0.3771		0.3771	0.3771	0.0000	5,401.9427	5,401.9427	0.1035	0.0990	5,434.0437
Junior College (2Yr)	6.819e+006	0.0368	0.3343	0.2808	2.0100e-003		0.0254	0.0254		0.0254	0.0254	0.0000	363.8876	363.8876	6.9700e-003	6.6700e-003	366.0500
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	6.6657e+006	0.0359	0.3268	0.2745	1.9600e-003		0.0248	0.0248		0.0248	0.0248	0.0000	355.7072	355.7072	6.8200e-003	6.5200e-003	357.8209
Total		**1.2407**	**11.1502**	**8.5294**	**0.0677**		**0.8572**	**0.8572**		**0.8572**	**0.8572**	**0.0000**	**12,278.6730**	**12,278.6730**	**0.2353**	**0.2251**	**12,351.6390**

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					
Apartments Low Rise	4.38147e+007	0.2363	2.0189	0.8591	0.0129		0.1632	0.1632		0.1632	0.1632	0.0000	2,338.1192	2,338.1192	0.0448	0.0429	2,352.0135
General Office Building	2.57457e+007	0.1388	1.2620	1.0601	7.5700e-003		0.0959	0.0959		0.0959	0.0959	0.0000	1,373.8895	1,373.8895	0.0263	0.0252	1,382.0539
Government Office Building	1.52984e+007	0.0825	0.7499	0.6299	4.5000e-003		0.0570	0.0570		0.0570	0.0570	0.0000	816.3829	816.3829	0.0157	0.0150	821.2343
Hotel	3.05215e+007	0.1646	1.4962	1.2568	8.9800e-003		0.1137	0.1137		0.1137	0.1137	0.0000	1,628.7440	1,628.7440	0.0312	0.0299	1,638.4228
Industrial Park	1.01229e+008	0.5458	4.9622	4.1682	0.0298		0.3771	0.3771		0.3771	0.3771	0.0000	5,401.9427	5,401.9427	0.1035	0.0990	5,434.0437
Junior College (2Yr)	6.819e+006	0.0368	0.3343	0.2808	2.0100e-003		0.0254	0.0254		0.0254	0.0254	0.0000	363.8876	363.8876	6.9700e-003	6.6700e-003	366.0500
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	6.6657e+006	0.0359	0.3268	0.2745	1.9600e-003		0.0248	0.0248		0.0248	0.0248	0.0000	355.7072	355.7072	6.8200e-003	6.5200e-003	357.8209
Total		**1.2407**	**11.1502**	**8.5294**	**0.0677**		**0.8572**	**0.8572**		**0.8572**	**0.8572**	**0.0000**	**12,278.6730**	**12,278.6730**	**0.2353**	**0.2251**	**12,351.6390**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	1.3854e+007	4,527.6029	0.1822	0.0377	4,543.3947
General Office Building	1.74771e+007	5,711.6736	0.2299	0.0476	5,731.5954
Government Office Building	1.03851e+007	3,393.9503	0.1366	0.0283	3,405.7880
Hotel	6.92085e+006	2,261.7936	0.0910	0.0188	2,269.6825
Industrial Park	6.87176e+007	22,457.5068	0.9039	0.1870	22,535.8364
Junior College (2Yr)	1.70241e+006	556.3635	0.0224	4.6300e-003	558.3041
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	3.83575e+007	12,535.5782	0.5046	0.1044	12,579.3011
Total		**51,444.4688**	**2.0707**	**0.4284**	**51,623.9022**

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	1.3854e+007	4,527.6029	0.1822	0.0377	4,543.3947
General Office Building	1.74771e+007	5,711.6736	0.2299	0.0476	5,731.5954
Government Office Building	1.03851e+007	3,393.9503	0.1366	0.0283	3,405.7880
Hotel	6.92085e+006	2,261.7936	0.0910	0.0188	2,269.6825
Industrial Park	6.87176e+007	22,457.5068	0.9039	0.1870	22,535.8364
Junior College (2Yr)	1.70241e+006	556.3635	0.0224	4.6300e-003	558.3041
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	3.83575e+007	12,535.5782	0.5046	0.1044	12,579.3011
Total		**51,444.4688**	**2.0707**	**0.4284**	**51,623.9022**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	68.9411	2.1310	23.4942	0.0131		0.2773	0.2773		0.2773	0.2773	0.0000	2,202.1753	2,202.1753	0.0773	0.0397	2,215.9348
Unmitigated	68.9411	2.1310	23.4942	0.0131		0.2773	0.2773		0.2773	0.2773	0.0000	2,202.1753	2,202.1753	0.0773	0.0397	2,215.9348

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	14.3122					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	53.7251					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.2188	1.8694	0.7955	0.0119		0.1511	0.1511		0.1511	0.1511	0.0000	2,164.9343	2,164.9343	0.0415	0.0397	2,177.7994
Landscaping	0.6850	0.2616	22.6987	1.2100e-003		0.1261	0.1261		0.1261	0.1261	0.0000	37.2410	37.2410	0.0358	0.0000	38.1354
Total	**68.9411**	**2.1310**	**23.4942**	**0.0131**		**0.2773**	**0.2773**		**0.2773**	**0.2773**	**0.0000**	**2,202.1753**	**2,202.1753**	**0.0773**	**0.0397**	**2,215.9348**

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	14.3122					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	53.7251					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.2188	1.8694	0.7955	0.0119		0.1511	0.1511		0.1511	0.1511	0.0000	2,164.9343	2,164.9343	0.0415	0.0397	2,177.7994
Landscaping	0.6850	0.2616	22.6987	1.2100e-003		0.1261	0.1261		0.1261	0.1261	0.0000	37.2410	37.2410	0.0358	0.0000	38.1354
Total	**68.9411**	**2.1310**	**23.4942**	**0.0131**		**0.2773**	**0.2773**		**0.2773**	**0.2773**	**0.0000**	**2,202.1753**	**2,202.1753**	**0.0773**	**0.0397**	**2,215.9348**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	10,875.4265	64.7942	1.6055	12,973.7306
Unmitigated	10,875.4265	64.7942	1.6055	12,973.7306

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	198.98 / 125.444	1,365.3322	6.5362	0.1639	1,577.5913
General Office Building	225.747 / 138.361	1,534.6236	7.4149	0.1859	1,775.3851
Government Office Building	149.934 / 91.8953	1,019.2524	4.9247	0.1235	1,179.1592
Hotel	16.6913 / 1.85459	83.0571	0.5470	0.0135	100.7525
Industrial Park	1154.86 / 0	5,280.7704	37.8291	0.9295	6,503.4833
Junior College (2Yr)	9.16579 / 14.3362	93.9645	0.3023	7.8100e-003	103.8503
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	220.422 / 135.097	1,498.4264	7.2400	0.1815	1,733.5090
Total		**10,875.4265**	**64.7942**	**1.6055**	**12,973.7306**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	198.98 / 125.444	1,365.3322	6.5362	0.1639	1,577.5913
General Office Building	225.747 / 138.361	1,534.6236	7.4149	0.1859	1,775.3851
Government Office Building	149.934 / 91.8953	1,019.2524	4.9247	0.1235	1,179.1592
Hotel	16.6913 / 1.85459	83.0571	0.5470	0.0135	100.7525
Industrial Park	1154.86 / 0	5,280.7704	37.8291	0.9295	6,503.4833
Junior College (2Yr)	9.16579 / 14.3362	93.9645	0.3023	7.8100e-003	103.8503
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	220.422 / 135.097	1,498.4264	7.2400	0.1815	1,733.5090
Total		**10,875.4265**	**64.7942**	**1.6055**	**12,973.7306**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	2,681.1594	158.4520	0.0000	6,642.4590
Unmitigated	2,681.1594	158.4520	0.0000	6,642.4590

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	1404.84	285.1698	16.8531	0.0000	706.4962
General Office Building	1181.23	239.7790	14.1705	0.0000	594.0424
Government Office Building	701.9	142.4794	8.4203	0.0000	352.9866
Hotel	360.25	73.1275	4.3217	0.0000	181.1703
Industrial Park	6192.57	1,257.0358	74.2887	0.0000	3,114.2529
Junior College (2Yr)	242.93	49.3126	2.9143	0.0000	122.1699
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	3124.55	634.2554	37.4834	0.0000	1,571.3409
Total		**2,681.1594**	**158.4520**	**0.0000**	**6,642.4591**

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	1404.84	285.1698	16.8531	0.0000	706.4962
General Office Building	1181.23	239.7790	14.1705	0.0000	594.0424
Government Office Building	701.9	142.4794	8.4203	0.0000	352.9866
Hotel	360.25	73.1275	4.3217	0.0000	181.1703
Industrial Park	6192.57	1,257.0358	74.2887	0.0000	3,114.2529
Junior College (2Yr)	242.93	49.3126	2.9143	0.0000	122.1699
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	3124.55	634.2554	37.4834	0.0000	1,571.3409
Total		**2,681.1594**	**158.4520**	**0.0000**	**6,642.4591**

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Mobile Source Emissions: Midway - Pacific Hwy Alt 3B 2035

	Total VMT	Total # Auto Trips	Avg Trip Length
Alternative 3B (2035)	835,997	313,558	2.7

			Emission Factors (g/mile)							Emissions (lb/day)						MT/day
Vehicle Class	Fuel	Daily VMT (mi)	ROG	CO	NOx	SOx	PM10	PM2.5	CO2	ROG	CO	NOx	SOx	PM10	PM2.5	CO2
All Other Buses	DSL	354.97	0.05	0.26	1.31	0.01	0.15	0.06	1,176.02	0.04	0.20	1.03	0.01	0.11	0.05	0.42
LDA	GAS	436,159.13	0.01	0.44	0.05	0.00	0.05	0.02	205.72	11.91	425.19	46.05	1.98	44.02	17.98	89.73
LDA	DSL	5,991.87	0.00	0.15	0.01	0.00	0.05	0.02	202.59	0.07	1.97	0.14	0.03	0.60	0.25	1.21
LDA	ELEC	74,182.56	-	-	-	-	0.04	0.02	-	-	-	-	-	7.32	2.90	-
LDT1	GAS	30,442.42	0.01	0.42	0.04	0.00	0.05	0.02	232.93	0.51	28.44	2.39	0.16	3.08	1.26	7.09
LDT1	DSL	16.89	0.02	0.19	0.09	0.00	0.05	0.02	230.08	0.00	0.01	0.00	0.00	0.00	0.00	0.00
LDT1	ELEC	13.35	-	-	-	-	0.04	0.02	-	-	-	-	-	0.00	0.00	-
LDT2	GAS	147,567.54	0.01	0.40	0.03	0.00	0.05	0.02	258.15	1.92	129.03	9.71	0.84	14.90	6.09	38.10
LDT2	DSL	323.63	0.01	0.15	0.03	0.00	0.05	0.02	253.02	0.01	0.10	0.02	0.00	0.03	0.02	0.08
LHD1	GAS	3,109.67	0.01	0.29	0.11	0.01	0.09	0.04	794.00	0.10	1.96	0.74	0.05	0.59	0.25	2.47
LHD1	DSL	6,370.66	0.13	0.63	0.56	0.00	0.10	0.05	522.40	1.89	8.80	7.90	0.07	1.42	0.67	3.33
LHD2	GAS	1,278.76	0.01	0.16	0.05	0.01	0.10	0.04	880.36	0.02	0.44	0.13	0.02	0.28	0.12	1.13
LHD2	DSL	3,137.15	0.12	0.54	0.16	0.01	0.11	0.05	577.98	0.84	3.76	1.08	0.04	0.77	0.35	1.81
MCY	GAS	4,637.87	2.31	18.30	1.14	0.00	0.02	0.01	184.90	23.64	187.12	11.67	0.02	0.19	0.08	0.86
MDV	GAS	78,763.33	0.01	0.49	0.04	0.00	0.05	0.02	344.08	1.49	84.58	7.46	0.60	7.96	3.26	27.10
MDV	DSL	2,192.13	0.01	0.17	0.01	0.00	0.05	0.02	332.50	0.03	0.81	0.06	0.02	0.22	0.09	0.73
MH	GAS	461.79	0.02	0.37	0.16	0.01	0.14	0.06	1,228.45	0.02	0.37	0.17	0.01	0.15	0.06	0.57
MH	DSL	130.72	0.09	0.28	3.02	0.01	0.19	0.10	1,019.32	0.03	0.08	0.87	0.00	0.05	0.03	0.13
Motor Coach	DSL	356.12	0.08	0.46	1.57	0.02	0.15	0.06	1,609.34	0.06	0.36	1.23	0.01	0.12	0.05	0.57
OBUS	GAS	914.03	0.01	0.24	0.10	0.01	0.14	0.06	1,215.04	0.03	0.48	0.21	0.02	0.29	0.12	1.11
PTO	DSL	366.24	0.20	1.18	4.13	0.02	0.01	0.01	1,842.98	0.16	0.95	3.34	0.01	0.00	0.00	0.67
SBUS	GAS	245.71	0.01	0.22	0.10	0.01	0.75	0.32	633.48	0.01	0.12	0.05	0.00	0.41	0.17	0.16
SBUS	DSL	423.33	0.07	0.32	1.69	0.01	0.76	0.33	1,249.73	0.06	0.30	1.58	0.01	0.71	0.31	0.53
T6 Ag	DSL	35.40	0.05	0.28	1.57	0.01	0.15	0.06	1,192.54	0.00	0.02	0.12	0.00	0.01	0.00	0.04
T6 CAIRP heavy	DSL	24.09	0.04	0.22	1.04	0.01	0.15	0.06	1,129.66	0.00	0.01	0.06	0.00	0.01	0.00	0.03
T6 CAIRP small	DSL	73.96	0.04	0.21	0.95	0.01	0.14	0.06	1,156.58	0.01	0.03	0.16	0.00	0.02	0.01	0.09
T6 instate construction heavy	DSL	405.13	0.05	0.25	1.28	0.01	0.15	0.06	1,167.89	0.04	0.23	1.14	0.01	0.13	0.06	0.47
T6 instate construction small	DSL	1,088.34	0.04	0.23	1.11	0.01	0.15	0.06	1,161.87	0.11	0.55	2.67	0.03	0.35	0.15	1.26
T6 instate heavy	DSL	3,306.53	0.05	0.25	1.23	0.01	0.15	0.06	1,137.72	0.34	1.79	8.99	0.08	1.06	0.45	3.76
T6 instate small	DSL	8,328.65	0.04	0.23	1.10	0.01	0.15	0.06	1,162.05	0.80	4.22	20.28	0.20	2.67	1.13	9.68
T6 OOS heavy	DSL	13.80	0.04	0.22	1.04	0.01	0.15	0.06	1,129.70	0.00	0.01	0.03	0.00	0.00	0.00	0.02
T6 OOS small	DSL	42.37	0.04	0.21	0.95	0.01	0.14	0.06	1,156.58	0.00	0.02	0.09	0.00	0.01	0.01	0.05
T6 Public	DSL	368.84	0.04	0.19	1.17	0.01	0.15	0.06	1,167.09	0.03	0.15	0.95	0.01	0.12	0.05	0.43
T6 utility	DSL	52.51	0.03	0.17	0.70	0.01	0.14	0.06	1,157.40	0.00	0.02	0.08	0.00	0.02	0.01	0.06
T6TS	GAS	1,663.31	0.01	0.24	0.10	0.01	0.14	0.06	1,213.89	0.05	0.90	0.38	0.04	0.53	0.22	2.02
T7 Ag	DSL	26.33	0.09	0.55	2.25	0.02	0.10	0.04	1,577.65	0.01	0.03	0.13	0.00	0.01	0.00	0.04
T7 CAIRP	DSL	3,685.43	0.08	0.46	1.35	0.01	0.10	0.04	1,424.21	0.63	3.70	10.94	0.11	0.84	0.33	5.25
T7 CAIRP construction	DSL	287.40	0.08	0.47	1.38	0.01	0.10	0.04	1,462.25	0.05	0.30	0.87	0.01	0.07	0.03	0.42
T7 NNOOS	DSL	4,569.94	0.07	0.40	1.10	0.01	0.10	0.04	1,420.49	0.68	4.01	11.05	0.14	1.03	0.40	6.49
T7 NOOS	DSL	1,455.74	0.08	0.46	1.35	0.01	0.10	0.04	1,424.36	0.25	1.46	4.33	0.04	0.33	0.13	2.07
T7 other port	DSL	1,061.82	0.08	0.50	1.49	0.01	0.10	0.04	1,459.55	0.20	1.16	3.49	0.03	0.24	0.10	1.55
T7 POLA	DSL	644.08	0.08	0.50	1.55	0.01	0.10	0.04	1,473.32	0.12	0.71	2.20	0.02	0.15	0.06	0.95
T7 Public	DSL	277.91	0.07	0.33	2.93	0.01	0.11	0.05	1,540.93	0.04	0.20	1.79	0.01	0.07	0.03	0.43
T7 Single	DSL	1,844.45	0.07	0.39	1.14	0.01	0.10	0.04	1,486.22	0.27	1.57	4.64	0.06	0.42	0.16	2.74
T7 single construction	DSL	743.46	0.07	0.39	1.14	0.01	0.10	0.04	1,484.17	0.11	0.63	1.87	0.02	0.17	0.07	1.10
T7 SWCV	DSL	799.21	0.09	13.53	1.76	0.00	0.10	0.04	3,204.90	0.15	23.84	3.10	0.01	0.18	0.07	2.56
T7 tractor	DSL	5,589.31	0.08	0.47	1.46	0.01	0.10	0.04	1,433.70	0.99	5.82	18.00	0.17	1.27	0.50	8.01
T7 tractor construction	DSL	554.30	0.08	0.49	1.51	0.01	0.10	0.04	1,475.63	0.10	0.59	1.85	0.02	0.13	0.05	0.82
T7 utility	DSL	26.98	0.05	0.29	0.71	0.01	0.10	0.04	1,472.48	0.00	0.02	0.04	0.00	0.01	0.00	0.04
T7IS	GAS	223.72	0.31	29.60	2.99	0.02	0.08	0.03	1,609.21	0.15	14.60	1.47	0.01	0.04	0.02	0.36
UBUS	GAS	647.97	0.04	0.70	0.43	0.02	0.14	0.06	1,621.31	0.05	0.99	0.61	0.02	0.21	0.09	1.05
UBUS	DSL	716.19	0.22	8.50	2.97	0.00	0.90	0.40	1,860.82	0.35	13.42	4.68	0.00	1.41	0.64	1.33
									Total (lbs/day)	48.35	956.09	201.87	4.97	94.73	38.88	230.93

Mobile Source Emissions: Midway - Pacific Hwy Adopted Community Plan 2035

	Total VMT	Total # Auto Trips	Avg Trip Length
Adopted CP (2035)	832,025	311,502	2.7

			Emission Factors (g/mile)							Emissions (lb/day)						MT/day
Vehicle Class	Fuel	Daily VMT (mi)	ROG	CO	NOx	SOx	PM10	PM2.5	CO2	ROG	CO	NOx	SOx	PM10	PM2.5	CO2
All Other Buses	DSL	353.28	0.05	0.26	1.31	0.01	0.15	0.06	1176.02	0.04	0.20	1.02	0.01	0.11	0.05	0.42
LDA	GAS	434,086.84	0.01	0.44	0.05	0.00	0.05	0.02	205.72	11.85	423.17	45.83	1.97	43.81	17.89	89.30
LDA	DSL	5,963.40	0.00	0.15	0.01	0.00	0.05	0.02	202.59	0.07	1.96	0.14	0.03	0.60	0.25	1.21
LDA	ELEC	73,830.10	0.00	0.00	0.00	0.00	0.04	0.02	0.00	0.00	0.00	0.00	0.00	7.28	2.89	0.00
LDT1	GAS	30,297.78	0.01	0.42	0.04	0.00	0.05	0.02	232.93	0.50	28.31	2.38	0.16	3.07	1.26	7.06
LDT1	DSL	16.81	0.02	0.19	0.09	0.00	0.05	0.02	230.08	0.00	0.01	0.00	0.00	0.00	0.00	0.00
LDT1	ELEC	13.28	0.00	0.00	0.00	0.00	0.04	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LDT2	GAS	146,866.41	0.01	0.40	0.03	0.00	0.05	0.02	258.15	1.92	128.42	9.67	0.84	14.83	6.06	37.91
LDT2	DSL	322.09	0.01	0.15	0.03	0.00	0.05	0.02	253.02	0.01	0.10	0.02	0.00	0.03	0.02	0.08
LHD1	GAS	3,094.89	0.01	0.29	0.11	0.01	0.09	0.04	794.00	0.10	1.95	0.74	0.05	0.59	0.25	2.46
LHD1	DSL	6,340.40	0.13	0.63	0.56	0.00	0.10	0.05	522.40	1.88	8.76	7.86	0.07	1.41	0.67	3.31
LHD2	GAS	1,272.69	0.01	0.16	0.05	0.01	0.10	0.04	880.36	0.02	0.44	0.13	0.02	0.28	0.12	1.12
LHD2	DSL	3,122.25	0.12	0.54	0.16	0.01	0.11	0.05	577.98	0.84	3.74	1.07	0.04	0.77	0.35	1.80
MCY	GAS	4,615.83	2.31	18.30	1.14	0.00	0.02	0.01	184.90	23.53	186.23	11.61	0.02	0.19	0.08	0.85
MDV	GAS	78,389.11	0.01	0.49	0.04	0.00	0.05	0.02	344.08	1.48	84.18	7.42	0.59	7.92	3.24	26.97
MDV	DSL	2,181.71	0.01	0.17	0.01	0.00	0.05	0.02	332.50	0.03	0.80	0.06	0.02	0.22	0.09	0.73
MH	GAS	459.59	0.02	0.37	0.16	0.01	0.14	0.06	1228.45	0.02	0.37	0.17	0.01	0.15	0.06	0.56
MH	DSL	130.10	0.09	0.28	3.02	0.01	0.19	0.10	1019.32	0.03	0.08	0.87	0.00	0.05	0.03	0.13
Motor Coach	DSL	354.42	0.08	0.46	1.57	0.02	0.15	0.06	1609.34	0.06	0.36	1.22	0.01	0.11	0.05	0.57
OBUS	GAS	909.69	0.01	0.24	0.10	0.01	0.14	0.06	1215.04	0.03	0.48	0.21	0.02	0.29	0.12	1.11
PTO	DSL	364.50	0.20	1.18	4.13	0.02	0.01	0.01	1842.98	0.16	0.95	3.32	0.01	0.00	0.00	0.67
SBUS	GAS	244.54	0.01	0.22	0.10	0.01	0.75	0.32	633.48	0.01	0.12	0.05	0.00	0.41	0.17	0.15
SBUS	DSL	421.32	0.07	0.32	1.69	0.01	0.76	0.33	1249.73	0.06	0.30	1.57	0.01	0.71	0.30	0.53
T6 Ag	DSL	35.23	0.05	0.28	1.57	0.01	0.15	0.06	1192.54	0.00	0.02	0.12	0.00	0.01	0.00	0.04
T6 CAIRP heavy	DSL	23.98	0.04	0.22	1.04	0.01	0.15	0.06	1129.66	0.00	0.01	0.05	0.00	0.01	0.00	0.03
T6 CAIRP small	DSL	73.61	0.04	0.21	0.95	0.01	0.14	0.06	1156.58	0.01	0.03	0.15	0.00	0.02	0.01	0.09
T6 instate construction heavy	DSL	403.21	0.05	0.25	1.28	0.01	0.15	0.06	1167.89	0.04	0.22	1.14	0.01	0.13	0.06	0.47
T6 instate construction small	DSL	1,083.17	0.04	0.23	1.11	0.01	0.15	0.06	1161.87	0.10	0.55	2.65	0.03	0.35	0.15	1.26
T6 instate heavy	DSL	3,290.82	0.05	0.25	1.23	0.01	0.15	0.06	1137.72	0.34	1.78	8.95	0.08	1.06	0.45	3.74
T6 instate small	DSL	8,289.08	0.04	0.23	1.10	0.01	0.15	0.06	1162.05	0.80	4.20	20.18	0.20	2.66	1.13	9.63
T6 OOS heavy	DSL	13.74	0.04	0.22	1.04	0.01	0.15	0.06	1129.70	0.00	0.01	0.03	0.00	0.00	0.00	0.02
T6 OOS small	DSL	42.17	0.04	0.21	0.95	0.01	0.14	0.06	1156.58	0.00	0.02	0.09	0.00	0.01	0.01	0.05
T6 Public	DSL	367.09	0.04	0.19	1.17	0.01	0.15	0.06	1167.09	0.03	0.15	0.95	0.01	0.12	0.05	0.43
T6 utility	DSL	52.26	0.03	0.17	0.70	0.01	0.14	0.06	1157.40	0.00	0.02	0.08	0.00	0.02	0.01	0.06
T6TS	GAS	1,655.40	0.01	0.24	0.10	0.01	0.14	0.06	1213.89	0.05	0.89	0.38	0.04	0.52	0.22	2.01
T7 Ag	DSL	26.20	0.09	0.55	2.25	0.02	0.10	0.04	1577.65	0.01	0.03	0.13	0.00	0.01	0.00	0.04
T7 CAIRP	DSL	3,667.92	0.08	0.46	1.35	0.01	0.10	0.04	1424.21	0.62	3.68	10.89	0.11	0.83	0.33	5.22
T7 CAIRP construction	DSL	286.03	0.08	0.47	1.38	0.01	0.10	0.04	1462.25	0.05	0.29	0.87	0.01	0.07	0.03	0.42
T7 NNOOS	DSL	4,548.23	0.07	0.40	1.10	0.01	0.10	0.04	1420.49	0.68	3.99	11.00	0.14	1.03	0.40	6.46
T7 NOOS	DSL	1,448.83	0.08	0.46	1.35	0.01	0.10	0.04	1424.36	0.25	1.45	4.31	0.04	0.33	0.13	2.06
T7 other port	DSL	1,056.77	0.08	0.50	1.49	0.01	0.10	0.04	1459.55	0.20	1.16	3.48	0.03	0.24	0.10	1.54
T7 POLA	DSL	641.02	0.08	0.50	1.55	0.01	0.10	0.04	1473.32	0.12	0.70	2.19	0.02	0.15	0.06	0.94
T7 Public	DSL	276.59	0.07	0.33	2.93	0.01	0.11	0.05	1540.93	0.04	0.20	1.79	0.01	0.07	0.03	0.43
T7 Single	DSL	1,835.68	0.07	0.39	1.14	0.01	0.10	0.04	1486.22	0.27	1.57	4.62	0.06	0.41	0.16	2.73
T7 single construction	DSL	739.92	0.07	0.39	1.14	0.01	0.10	0.04	1484.17	0.11	0.63	1.86	0.02	0.17	0.06	1.10
T7 SWCV	DSL	795.42	0.09	13.53	1.76	0.00	0.10	0.04	3204.90	0.15	23.73	3.08	0.01	0.18	0.07	2.55
T7 tractor	DSL	5,562.76	0.08	0.47	1.46	0.01	0.10	0.04	1433.70	0.98	5.79	17.92	0.17	1.27	0.50	7.98
T7 tractor construction	DSL	551.67	0.08	0.49	1.51	0.01	0.10	0.04	1475.63	0.10	0.59	1.84	0.02	0.13	0.05	0.81
T7 utility	DSL	26.85	0.05	0.29	0.71	0.01	0.10	0.04	1472.48	0.00	0.02	0.04	0.00	0.01	0.00	0.04
T7IS	GAS	222.66	0.31	29.60	2.99	0.02	0.08	0.03	1609.21	0.15	14.53	1.47	0.01	0.04	0.02	0.36
UBUS	GAS	644.90	0.04	0.70	0.43	0.02	0.14	0.06	1621.31	0.05	0.99	0.61	0.02	0.21	0.09	1.05
UBUS	DSL	712.78	0.22	8.50	2.97	0.00	0.90	0.40	1860.82	0.35	13.36	4.66	0.00	1.41	0.63	1.33
								Total		48.12	951.55	200.91	4.94	94.28	38.70	229.83

Midway-Pacific Hwy Existing

San Diego County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Regional Shopping Center	2,282.51	1000sqft	183.95	2,282,513.00	0
Industrial Park	4,682.98	1000sqft	576.31	4,682,978.00	0
Junior College (2Yr)	192.18	1000sqft	11.22	192,175.00	0
Government Office Building	891.54	1000sqft	42.96	891,539.00	0
Hotel	646.00	Room	18.97	511,089.00	0
General Office Building	1,082.06	1000sqft	38.82	1,082,059.00	0
Apartments Low Rise	1,970.00	Dwelling Unit	81.06	1,970,000.00	5634
Other Asphalt Surfaces	330.88	Acre	330.88	5,261.00	0
Single Family Housing	12.00	Dwelling Unit	0.85	21,600.00	34
Arena	33.16	Acre	33.16	150,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.6	**Precipitation Freq (Days)**	40
Climate Zone	13			**Operational Year**	2015
Utility Company	San Diego Gas & Electric				
CO2 Intensity (lb/MWhr)	720.49	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Midway-Pacific Hwy Existing - San Diego County, Annual

Project Characteristics - Existing conditions - operations only run.

Land Use - Existing land uses. Industrial land use includes industrial, utilities, and military land uses.

Construction Phase - Operations only.

Off-road Equipment - Operations only.

Off-road Equipment - Operations only.

Grading - Operations only.

Trips and VMT - Operations only.

Architectural Coating - Operations only.

Vehicle Trips - Operational Mobile Emissions calculated separately.

Consumer Products - EFs consistent with adopted plan and alternative 3B runs.

Area Coating - SDAPCD Rule 67

Energy Use -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	4,896,177.00	0.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	14,688,530.00	0.00
tblArchitecturalCoating	ConstArea_Parking	316.00	0.00
tblArchitecturalCoating	ConstArea_Residential_Exterior	1,344,330.00	0.00
tblArchitecturalCoating	ConstArea_Residential_Interior	4,032,990.00	0.00
tblArchitecturalCoating	EF_Parking	250.00	0.00
tblAreaCoating	Area_EF_Residential_Interior	250	50
tblConstructionPhase	NumDays	11,000.00	3.00
tblConstructionPhase	NumDays	6,000.00	3.00
tblConstructionPhase	PhaseEndDate	12/31/2013	1/4/2014
tblConstructionPhase	PhaseEndDate	12/31/2013	1/4/2014
tblConsumerProducts	ROG_EF_Degreaser	3.542E-07	3.54E-07
tblConsumerProducts	ROG_EF_PesticidesFertilizers	5.152E-08	5.15E-08

tblLandUse	BuildingSpaceSquareFeet	2,282,510.00	2,282,513.00
tblLandUse	BuildingSpaceSquareFeet	4,682,980.00	4,682,978.00
tblLandUse	BuildingSpaceSquareFeet	937,992.00	511,089.00
tblLandUse	BuildingSpaceSquareFeet	1,082,060.00	1,082,059.00
tblLandUse	BuildingSpaceSquareFeet	14,413,132.80	5,261.00
tblLandUse	BuildingSpaceSquareFeet	1,444,449.60	150,000.00
tblLandUse	LandUseSquareFeet	2,282,510.00	2,282,513.00
tblLandUse	LandUseSquareFeet	4,682,980.00	4,682,978.00
tblLandUse	LandUseSquareFeet	937,992.00	511,089.00
tblLandUse	LandUseSquareFeet	1,082,060.00	1,082,059.00
tblLandUse	LandUseSquareFeet	14,413,132.80	5,261.00
tblLandUse	LandUseSquareFeet	1,444,449.60	150,000.00
tblLandUse	LotAcreage	52.40	183.95
tblLandUse	LotAcreage	107.51	576.31
tblLandUse	LotAcreage	4.41	11.22
tblLandUse	LotAcreage	20.47	42.96
tblLandUse	LotAcreage	21.53	18.97
tblLandUse	LotAcreage	24.84	38.82
tblLandUse	LotAcreage	123.13	81.06
tblLandUse	LotAcreage	3.90	0.85
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblProjectCharacteristics	OperationalYear	2018	2015

tblTripsAndVMT	WorkerTripNumber	1,022.00	0.00
tblVehicleTrips	ST_TR	7.16	0.00
tblVehicleTrips	ST_TR	2.46	0.00
tblVehicleTrips	ST_TR	8.19	0.00
tblVehicleTrips	ST_TR	2.49	0.00
tblVehicleTrips	ST_TR	11.23	0.00
tblVehicleTrips	ST_TR	49.97	0.00
tblVehicleTrips	ST_TR	9.91	0.00
tblVehicleTrips	SU_TR	6.07	0.00
tblVehicleTrips	SU_TR	1.05	0.00
tblVehicleTrips	SU_TR	5.95	0.00
tblVehicleTrips	SU_TR	0.73	0.00
tblVehicleTrips	SU_TR	1.21	0.00
tblVehicleTrips	SU_TR	25.24	0.00
tblVehicleTrips	SU_TR	8.62	0.00
tblVehicleTrips	WD_TR	6.59	0.00
tblVehicleTrips	WD_TR	33.33	0.00
tblVehicleTrips	WD_TR	11.03	0.00
tblVehicleTrips	WD_TR	68.93	0.00
tblVehicleTrips	WD_TR	8.17	0.00
tblVehicleTrips	WD_TR	6.83	0.00
tblVehicleTrips	WD_TR	27.49	0.00
tblVehicleTrips	WD_TR	42.70	0.00
tblVehicleTrips	WD_TR	9.52	0.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2014	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction

	ROG	NOx	CO	SO2	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					
2014	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
		Highest		

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	183.4680	2.6062	168.6015	0.2789		21.6046	21.6046		21.6046	21.6046	2,047.3222	882.8375	2,930.1597	1.9149	0.1610	3,026.0204
Energy	1.1181	10.0802	7.9211	0.0610		0.7725	0.7725		0.7725	0.7725	0.0000	56,774.9463	56,774.9463	2.0519	0.5835	57,000.1323
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	2,347.6920	0.0000	2,347.6920	138.7446	0.0000	5,816.3075
Water						0.0000	0.0000		0.0000	0.0000	577.7285	9,313.6062	9,891.3347	59.7131	1.4787	11,824.8054
Total	**184.5860**	**12.6864**	**176.5226**	**0.3399**	**0.0000**	**22.3770**	**22.3770**	**0.0000**	**22.3770**	**22.3770**	**4,972.7427**	**66,971.3901**	**71,944.1327**	**202.4245**	**2.2232**	**77,667.2655**

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	183.4680	2.6062	168.6015	0.2789		21.6046	21.6046		21.6046	21.6046	2,047.3222	882.8375	2,930.1597	1.9149	0.1610	3,026.0204
Energy	1.1181	10.0802	7.9211	0.0610		0.7725	0.7725		0.7725	0.7725	0.0000	56,774.9463	56,774.9463	2.0519	0.5835	57,000.1323
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	2,347.6920	0.0000	2,347.6920	138.7446	0.0000	5,816.3075
Water						0.0000	0.0000		0.0000	0.0000	577.7285	9,313.6062	9,891.3347	59.7131	1.4787	11,824.8054
Total	**184.5860**	**12.6864**	**176.5226**	**0.3399**	**0.0000**	**22.3770**	**22.3770**	**0.0000**	**22.3770**	**22.3770**	**4,972.7427**	**66,971.3901**	**71,944.1327**	**202.4245**	**2.2232**	**77,667.2655**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Architectural Coating	Architectural Coating	1/1/2014	1/4/2014	5	3	
2	Site Preparation	Site Preparation	1/1/2014	1/4/2014	5	3	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 330.88

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

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	0	0.00	78	0.48
Site Preparation	Tractors/Loaders/Backhoes	0	0.00	97	0.37
Site Preparation	Rubber Tired Dozers	0	0.00	247	0.40

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	0	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	0	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Architectural Coating - 2014

Unmitigated Construction On-Site

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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.2 Architectural Coating - 2014

Mitigated Construction On-Site

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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.3 Site Preparation - 2014

Unmitigated Construction On-Site

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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.3 Site Preparation - 2014

Mitigated Construction On-Site

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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	0.00	0.00	0.00		
Arena	0.00	0.00	0.00		
General Office Building	0.00	0.00	0.00		
Government Office Building	0.00	0.00	0.00		
Hotel	0.00	0.00	0.00		
Industrial Park	0.00	0.00	0.00		
Junior College (2Yr)	0.00	0.00	0.00		
Other Asphalt Surfaces	0.00	0.00	0.00		
Regional Shopping Center	0.00	0.00	0.00		
Single Family Housing	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Low Rise	10.80	7.30	7.50	41.60	18.80	39.60	86	11	3
Arena	9.50	7.30	7.30	0.00	81.00	19.00	66	28	6
General Office Building	9.50	7.30	7.30	33.00	48.00	19.00	77	19	4
Government Office Building	9.50	7.30	7.30	33.00	62.00	5.00	50	34	16
Hotel	9.50	7.30	7.30	19.40	61.60	19.00	58	38	4
Industrial Park	9.50	7.30	7.30	59.00	28.00	13.00	79	19	2
Junior College (2Yr)	9.50	7.30	7.30	6.40	88.60	5.00	92	7	1
Other Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Regional Shopping Center	9.50	7.30	7.30	16.30	64.70	19.00	54	35	11
Single Family Housing	10.80	7.30	7.50	41.60	18.80	39.60	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Regional Shopping Center	0.546319	0.051132	0.197604	0.126998	0.023152	0.005783	0.014168	0.021253	0.001850	0.002415	0.006828	0.000702	0.001795
Industrial Park	0.546319	0.051132	0.197604	0.126998	0.023152	0.005783	0.014168	0.021253	0.001850	0.002415	0.006828	0.000702	0.001795
Junior College (2Yr)	0.546319	0.051132	0.197604	0.126998	0.023152	0.005783	0.014168	0.021253	0.001850	0.002415	0.006828	0.000702	0.001795
Government Office Building	0.546319	0.051132	0.197604	0.126998	0.023152	0.005783	0.014168	0.021253	0.001850	0.002415	0.006828	0.000702	0.001795
Hotel	0.546319	0.051132	0.197604	0.126998	0.023152	0.005783	0.014168	0.021253	0.001850	0.002415	0.006828	0.000702	0.001795
General Office Building	0.546319	0.051132	0.197604	0.126998	0.023152	0.005783	0.014168	0.021253	0.001850	0.002415	0.006828	0.000702	0.001795
Apartments Low Rise	0.546319	0.051132	0.197604	0.126998	0.023152	0.005783	0.014168	0.021253	0.001850	0.002415	0.006828	0.000702	0.001795
Other Asphalt Surfaces	0.546319	0.051132	0.197604	0.126998	0.023152	0.005783	0.014168	0.021253	0.001850	0.002415	0.006828	0.000702	0.001795
Single Family Housing	0.546319	0.051132	0.197604	0.126998	0.023152	0.005783	0.014168	0.021253	0.001850	0.002415	0.006828	0.000702	0.001795
Arena	0.546319	0.051132	0.197604	0.126998	0.023152	0.005783	0.014168	0.021253	0.001850	0.002415	0.006828	0.000702	0.001795

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	45,709.8354	45,709.8354	1.8398	0.3807	45,869.2669
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	45,709.8354	45,709.8354	1.8398	0.3807	45,869.2669
NaturalGas Mitigated	1.1181	10.0802	7.9211	0.0610		0.7725	0.7725		0.7725	0.7725	0.0000	11,065.1109	11,065.1109	0.2121	0.2029	11,130.8653
NaturalGas Unmitigated	1.1181	10.0802	7.9211	0.0610		0.7725	0.7725		0.7725	0.7725	0.0000	11,065.1109	11,065.1109	0.2121	0.2029	11,130.8653

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					
Apartments Low Rise	2.82629e+007	0.1524	1.3023	0.5542	8.3100e-003		0.1053	0.1053		0.1053	0.1053	0.0000	1,508.2171	1,508.2171	0.0289	0.0277	1,517.1796
Arena	1.7385e+006	9.3700e-003	0.0852	0.0716	5.1000e-004		6.4800e-003	6.4800e-003		6.4800e-003	6.4800e-003	0.0000	92.7730	92.7730	1.7800e-003	1.7000e-003	93.3243
General Office Building	2.19333e+007	0.1183	1.0752	0.9031	6.4500e-003		0.0817	0.0817		0.0817	0.0817	0.0000	1,170.4463	1,170.4463	0.0224	0.0215	1,177.4017
Government Office Building	1.80715e+007	0.0974	0.8859	0.7441	5.3200e-003		0.0673	0.0673		0.0673	0.0673	0.0000	964.3638	964.3638	0.0185	0.0177	970.0946
Hotel	2.99549e+007	0.1615	1.4684	1.2334	8.8100e-003		0.1116	0.1116		0.1116	0.1116	0.0000	1,598.5089	1,598.5089	0.0306	0.0293	1,608.0081
Industrial Park	9.4924e+007	0.5118	4.6531	3.9086	0.0279		0.3536	0.3536		0.3536	0.3536	0.0000	5,065.5042	5,065.5042	0.0971	0.0929	5,095.6060
Junior College (2Yr)	7.01247e+006	0.0378	0.3438	0.2888	2.0600e-003		0.0261	0.0261		0.0261	0.0261	0.0000	374.2119	374.2119	7.1700e-003	6.8600e-003	376.4356
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	5.11283e+006	0.0276	0.2506	0.2105	1.5000e-003		0.0191	0.0191		0.0191	0.0191	0.0000	272.8400	272.8400	5.2300e-003	5.0000e-003	274.4614
Single Family Housing	341911	1.8400e-003	0.0158	6.7000e-003	1.0000e-004		1.2700e-003	1.2700e-003		1.2700e-003	1.2700e-003	0.0000	18.2457	18.2457	3.5000e-004	3.3000e-004	18.3541
Total		**1.1181**	**10.0802**	**7.9211**	**0.0610**		**0.7725**	**0.7725**		**0.7725**	**0.7725**	**0.0000**	**11,065.1109**	**11,065.1109**	**0.2121**	**0.2029**	**11,130.8653**

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					
Apartments Low Rise	2.82629e+007	0.1524	1.3023	0.5542	8.3100e-003		0.1053	0.1053		0.1053	0.1053	0.0000	1,508.2171	1,508.2171	0.0289	0.0277	1,517.1796
Arena	1.7385e+006	9.3700e-003	0.0852	0.0716	5.1000e-004		6.4800e-003	6.4800e-003		6.4800e-003	6.4800e-003	0.0000	92.7730	92.7730	1.7800e-003	1.7000e-003	93.3243
General Office Building	2.19333e+007	0.1183	1.0752	0.9031	6.4500e-003		0.0817	0.0817		0.0817	0.0817	0.0000	1,170.4463	1,170.4463	0.0224	0.0215	1,177.4017
Government Office Building	1.80715e+007	0.0974	0.8859	0.7441	5.3200e-003		0.0673	0.0673		0.0673	0.0673	0.0000	964.3638	964.3638	0.0185	0.0177	970.0946
Hotel	2.99549e+007	0.1615	1.4684	1.2334	8.8100e-003		0.1116	0.1116		0.1116	0.1116	0.0000	1,598.5089	1,598.5089	0.0306	0.0293	1,608.0081
Industrial Park	9.4924e+007	0.5118	4.6531	3.9086	0.0279		0.3536	0.3536		0.3536	0.3536	0.0000	5,065.5042	5,065.5042	0.0971	0.0929	5,095.6060
Junior College (2Yr)	7.01247e+006	0.0378	0.3438	0.2888	2.0600e-003		0.0261	0.0261		0.0261	0.0261	0.0000	374.2119	374.2119	7.1700e-003	6.8600e-003	376.4356
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	5.11283e+006	0.0276	0.2506	0.2105	1.5000e-003		0.0191	0.0191		0.0191	0.0191	0.0000	272.8400	272.8400	5.2300e-003	5.0000e-003	274.4614
Single Family Housing	341911	1.8400e-003	0.0158	6.7000e-003	1.0000e-004		1.2700e-003	1.2700e-003		1.2700e-003	1.2700e-003	0.0000	18.2457	18.2457	3.5000e-004	3.3000e-004	18.3541
Total		**1.1181**	**10.0802**	**7.9211**	**0.0610**		**0.7725**	**0.7725**		**0.7725**	**0.7725**	**0.0000**	**11,065.1109**	**11,065.1109**	**0.2121**	**0.2029**	**11,130.8653**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	8.93659e+006	2,920.5559	0.1176	0.0243	2,930.7425
Arena	1.2675e+006	414.2301	0.0167	3.4500e-003	415.6749
General Office Building	1.48891e+007	4,865.8988	0.1959	0.0405	4,882.8706
Government Office Building	1.22676e+007	4,009.1516	0.1614	0.0334	4,023.1351
Hotel	6.79237e+006	2,219.8070	0.0894	0.0185	2,227.5495
Industrial Park	6.44378e+007	21,058.8305	0.8476	0.1754	21,132.2817
Junior College (2Yr)	1.75071e+006	572.1488	0.0230	4.7600e-003	574.1444
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	2.94216e+007	9,615.2344	0.3870	0.0801	9,648.7714
Single Family Housing	103970	33.9784	1.3700e-003	2.8000e-004	34.0969
Total		**45,709.8354**	**1.8398**	**0.3807**	**45,869.2669**

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	8.93659e+006	2,920.5559	0.1176	0.0243	2,930.7425
Arena	1.2675e+006	414.2301	0.0167	3.4500e-003	415.6749
General Office Building	1.48891e+007	4,865.8988	0.1959	0.0405	4,882.8706
Government Office Building	1.22676e+007	4,009.1516	0.1614	0.0334	4,023.1351
Hotel	6.79237e+006	2,219.8070	0.0894	0.0185	2,227.5495
Industrial Park	6.44378e+007	21,058.8305	0.8476	0.1754	21,132.2817
Junior College (2Yr)	1.75071e+006	572.1488	0.0230	4.7600e-003	574.1444
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	2.94216e+007	9,615.2344	0.3870	0.0801	9,648.7714
Single Family Housing	103970	33.9784	1.3700e-003	2.8000e-004	34.0969
Total		**45,709.8354**	**1.8398**	**0.3807**	**45,869.2669**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	183.4680	2.6062	168.6015	0.2789		21.6046	21.6046		21.6046	21.6046	2,047.3222	882.8375	2,930.1597	1.9149	0.1610	3,026.0204
Unmitigated	183.4680	2.6062	168.6015	0.2789		21.6046	21.6046		21.6046	21.6046	2,047.3222	882.8375	2,930.1597	1.9149	0.1610	3,026.0204

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	12.5933					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	46.0226					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	124.3630	2.4287	153.5126	0.2781		21.5239	21.5239		21.5239	21.5239	2,047.3222	858.6171	2,905.9392	1.8893	0.1610	3,001.1618
Landscaping	0.4892	0.1776	15.0889	7.8000e-004		0.0806	0.0806		0.0806	0.0806	0.0000	24.2205	24.2205	0.0255	0.0000	24.8586
Total	**183.4680**	**2.6062**	**168.6015**	**0.2789**		**21.6045**	**21.6045**		**21.6045**	**21.6045**	**2,047.3222**	**882.8375**	**2,930.1597**	**1.9149**	**0.1610**	**3,026.0204**

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	12.5933					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	46.0226					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	124.3630	2.4287	153.5126	0.2781		21.5239	21.5239		21.5239	21.5239	2,047.3222	858.6171	2,905.9392	1.8893	0.1610	3,001.1618
Landscaping	0.4892	0.1776	15.0889	7.8000e-004		0.0806	0.0806		0.0806	0.0806	0.0000	24.2205	24.2205	0.0255	0.0000	24.8586
Total	**183.4680**	**2.6062**	**168.6015**	**0.2789**		**21.6045**	**21.6045**		**21.6045**	**21.6045**	**2,047.3222**	**882.8375**	**2,930.1597**	**1.9149**	**0.1610**	**3,026.0204**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	9,891.3347	59.7131	1.4787	11,824.8054
Unmitigated	9,891.3347	59.7131	1.4787	11,824.8054

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	128.353 / 80.9185	880.7153	4.2162	0.1058	1,017.6342
Arena	44.6386 / 2.84927	214.4609	1.4626	0.0360	261.7580
General Office Building	192.319 / 117.873	1,307.3793	6.3169	0.1584	1,512.4893
Government Office Building	177.113 / 108.553	1,204.0124	5.8174	0.1458	1,392.9055
Hotel	16.3869 / 1.82077	81.5423	0.5370	0.0132	98.9151
Industrial Park	1082.94 / 0	4,951.8808	35.4731	0.8716	6,098.4423
Junior College (2Yr)	9.42624 / 14.7436	96.6345	0.3109	8.0300e-003	106.8013
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	169.071 / 103.624	1,149.3444	5.5533	0.1392	1,329.6609
Single Family Housing	0.781848 / 0.492904	5.3648	0.0257	6.4000e-004	6.1988
Total		**9,891.3347**	**59.7131**	**1.4787**	**11,824.8054**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	128.353 / 80.9185	880.7153	4.2162	0.1058	1,017.6342
Arena	44.6386 / 2.84927	214.4609	1.4626	0.0360	261.7580
General Office Building	192.319 / 117.873	1,307.3793	6.3169	0.1584	1,512.4893
Government Office Building	177.113 / 108.553	1,204.0124	5.8174	0.1458	1,392.9055
Hotel	16.3869 / 1.82077	81.5423	0.5370	0.0132	98.9151
Industrial Park	1082.94 / 0	4,951.8808	35.4731	0.8716	6,098.4423
Junior College (2Yr)	9.42624 / 14.7436	96.6345	0.3109	8.0300e-003	106.8013
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	169.071 / 103.624	1,149.3444	5.5533	0.1392	1,329.6609
Single Family Housing	0.781848 / 0.492904	5.3648	0.0257	6.4000e-004	6.1988
Total		**9,891.3347**	**59.7131**	**1.4787**	**11,824.8054**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	2,347.6920	138.7446	0.0000	5,816.3075
Unmitigated	2,347.6920	138.7446	0.0000	5,816.3075

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	906.2	183.9504	10.8712	0.0000	455.7294
Arena	2.85	0.5785	0.0342	0.0000	1.4333
General Office Building	1006.32	204.2739	12.0722	0.0000	506.0799
Government Office Building	829.13	168.3059	9.9466	0.0000	416.9707
Hotel	353.69	71.7959	4.2430	0.0000	177.8712
Industrial Park	5806.9	1,178.7482	69.6620	0.0000	2,920.2988
Junior College (2Yr)	249.83	50.7132	2.9971	0.0000	125.6399
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	2396.64	486.4963	28.7511	0.0000	1,205.2739
Single Family Housing	13.94	2.8297	0.1672	0.0000	7.0105
Total		**2,347.6920**	**138.7446**	**0.0000**	**5,816.3075**

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	906.2	183.9504	10.8712	0.0000	455.7294
Arena	2.85	0.5785	0.0342	0.0000	1.4333
General Office Building	1006.32	204.2739	12.0722	0.0000	506.0799
Government Office Building	829.13	168.3059	9.9466	0.0000	416.9707
Hotel	353.69	71.7959	4.2430	0.0000	177.8712
Industrial Park	5806.9	1,178.7482	69.6620	0.0000	2,920.2988
Junior College (2Yr)	249.83	50.7132	2.9971	0.0000	125.6399
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	2396.64	486.4963	28.7511	0.0000	1,205.2739
Single Family Housing	13.94	2.8297	0.1672	0.0000	7.0105
Total		**2,347.6920**	**138.7446**	**0.0000**	**5,816.3075**

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Midway - Pacific Hwy Existing

	Population	Total VMT	Total # Auto Trips	Avg Trip Length
Existing (2015)	4,672	730,121	294,796	2.5

			Emission Factors (g/mile)							Emissions (lb/day)						MT/day
Vehicle Class	Fuel	Daily VMT (mi)	ROG	CO	NOx	SOx	PM10	PM2.5	CO2	ROG	CO	NOx	SOx	PM10	PM2.5	CO2
All Other Buses	DSL	377.59	0.237772	0.604855684	5.789813281	0.01187	0.22041031	0.133553	1244.207	0.19793	0.503505	4.819658	0.009881	0.183478	0.111175	0.469805
LDA	GAS	392688.31	0.0364325	1.128423015	0.123208318	0.003346	0.04646627	0.01933112	333.29	31.54017	976.8927	106.6633	2.896678	40.22655	16.73524	130.8791
LDA	DSL	3733.77	0.041585	0.376999848	0.26850492	0.003115	0.07215295	0.04396751	326.3447	0.342303	3.103243	2.210176	0.025645	0.593921	0.361915	1.218496
LDA	ELEC	2456.70	0	0	0	0	0.04475001	0.01775001	0	0	0	0	0	0.242366	0.096134	0
LDT1	GAS	37273.87	0.0915749	2.802600206	0.285724618	0.003932	0.04867629	0.02137505	389.1226	7.525022	230.2993	23.47897	0.323074	3.999898	1.756461	14.50411
LDT1	DSL	47.08	0.2242975	1.47156993	1.328031754	0.003995	0.2204567	0.1858557	418.4712	0.023282	0.152746	0.137847	0.000415	0.022883	0.019291	0.019703
LDT1	ELEC	11.57	0	0	0	0	0.04475001	0.01775001	0	0	0	0	0	0.001141	0.000453	0
LDT2	GAS	144070.64	0.0361897	1.377019224	0.176884236	0.00453	0.04646886	0.01933372	451.549	11.49443	437.3634	56.18127	1.4389	14.75926	6.140701	65.05496
LDT2	DSL	203.94	0.0240221	0.184203933	0.118012039	0.003897	0.05630628	0.02880635	408.1602	0.0108	0.082818	0.053058	0.001752	0.025315	0.012951	0.08324
LHD1	GAS	8975.12	0.1405601	2.648434154	0.538874512	0.008584	0.08763712	0.03770334	855.2638	2.781179	52.403	10.66239	0.169856	1.734024	0.746014	7.676091
LHD1	DSL	7928.42	0.218419	1.022333012	4.5909391	0.005655	0.13296896	0.07836265	592.3574	3.817716	17.86923	80.24443	0.098843	2.324147	1.36969	4.696455
LHD2	GAS	1529.11	0.0869461	1.622447862	0.391403415	0.009607	0.0994478	0.0423063	959.4889	0.293101	5.46937	1.319445	0.032384	0.335245	0.142617	1.467167
LHD2	DSL	2693.30	0.1849268	0.832076517	3.326716594	0.006334	0.1360242	0.07455684	663.4866	1.098025	4.940554	19.75278	0.037609	0.80766	0.44269	1.786971
MCY	GAS	4985.38	2.6689367	24.8744208	1.195131889	0.002243	0.01743088	0.00761801	176.1771	29.33347	273.3871	13.13533	0.024649	0.191577	0.083727	0.87831
MDV	GAS	91738.80	0.0597029	1.974373825	0.272554548	0.005868	0.04655844	0.01941739	584.5645	12.07467	399.3093	55.12308	1.186852	9.41626	3.927091	53.62724
MDV	DSL	985.25	0.0196572	0.234571716	0.097141215	0.005096	0.05527244	0.02781724	533.7659	0.042697	0.509506	0.210997	0.011068	0.120056	0.060421	0.525893
MH	GAS	1064.26	0.4097291	11.5384429	1.166798618	0.013272	0.14670896	0.06292213	1309.918	0.961328	27.0721	2.737605	0.031139	0.344216	0.147631	1.394094
MH	DSL	246.55	0.1626126	0.624871929	6.857922213	0.010236	0.33171322	0.23721403	1072.212	0.088386	0.339642	3.727548	0.005564	0.180299	0.128935	0.264353
Motor Coach	DSL	246.75	0.3396019	1.03385087	8.741964848	0.017169	0.23501626	0.1475271	1799.64	0.184734	0.562385	4.755376	0.00934	0.127842	0.08025	0.444053
OBUS	GAS	726.67	0.1325949	3.125834141	0.802330679	0.013049	0.14332326	0.0597658	1301.851	0.212418	5.007618	1.285342	0.020905	0.229605	0.095745	0.946018
PTO	DSL	252.60	0.894633	3.103635848	12.67539231	0.021149	0.31352845	0.29996535	2216.743	0.498206	1.728361	7.058707	0.011777	0.174599	0.167046	0.559954
SBUS	GAS	117.31	0.3800043	9.239365787	1.668144806	0.006902	0.75626116	0.32438231	675.2758	0.098276	2.389462	0.431412	0.001785	0.195582	0.083891	0.079216
SBUS	DSL	395.49	0.2201882	0.565568082	9.565731121	0.012566	0.85292087	0.41416261	1317.119	0.191982	0.493119	8.340371	0.010956	0.743663	0.361109	0.520913
T6 Ag	DSL	37.74	1.4623579	3.374428911	12.87464415	0.011659	0.86634811	0.75154782	1222.109	0.121681	0.280782	1.071284	0.00097	0.072088	0.062535	0.046127
T6 CAIRP heavy	DSL	16.69	0.1632376	0.463674335	3.60914672	0.01159	0.20131954	0.11528809	1214.808	0.006007	0.017064	0.13282	0.000427	0.007409	0.004243	0.020279
T6 CAIRP small	DSL	51.24	0.3124879	0.84099465	4.313530552	0.011716	0.30179361	0.2114157	1227.982	0.035302	0.095007	0.487298	0.001323	0.034094	0.023884	0.062926
T6 instate construction heavy	DSL	366.88	0.4192887	1.039411964	7.262099777	0.011683	0.32609439	0.23466524	1224.54	0.339127	0.840693	5.873703	0.009449	0.26375	0.189801	0.449258
T6 instate construction small	DSL	985.58	0.3882285	1.012919503	5.201034953	0.01172	0.3295502	0.23797155	1228.455	0.843541	2.200867	11.30079	0.025465	0.716045	0.517064	1.210741
T6 instate heavy	DSL	2039.64	0.2138498	0.57090918	4.333423464	0.011594	0.21948459	0.13266733	1215.226	0.96159	2.567131	19.48552	0.052132	0.986927	0.596547	2.478626
T6 instate small	DSL	5220.49	0.4460293	1.152353882	5.676216838	0.011672	0.36254712	0.26954103	1223.377	5.133355	13.26245	65.32762	0.134328	4.172558	3.10215	6.386623
T6 OOS heavy	DSL	9.56	0.0968777	0.30581251	3.235031232	0.01163	0.16616244	0.08165187	1219.024	0.002043	0.006448	0.068212	0.000245	0.003504	0.001722	0.011659
T6 OOS small	DSL	29.36	0.3124879	0.84099465	4.313530552	0.011716	0.30179361	0.2114157	1227.982	0.020227	0.054435	0.279204	0.000758	0.019534	0.013684	0.036054
T6 Public	DSL	330.17	0.0803657	0.21660391	6.894937518	0.011804	0.17729569	0.0923035	1237.219	0.058498	0.157665	5.018806	0.008592	0.129053	0.067187	0.408498
T6 utility	DSL	46.08	0.0554148	0.191715678	2.548827094	0.011963	0.15283838	0.06890421	1253.898	0.005629	0.019474	0.258904	0.001215	0.015525	0.006999	0.057774
T6TS	GAS	1211.18	0.3160669	7.503181798	1.553893431	0.013124	0.14456809	0.06091881	1301.724	0.843944	20.03458	4.149121	0.035044	0.386018	0.162662	1.57662
T7 Ag	DSL	28.08	1.8336471	7.244099719	19.32669036	0.016985	1.14588705	1.03826465	1780.295	0.113494	0.448376	1.196233	0.001051	0.070925	0.064264	0.049983
T7 CAIRP	DSL	2553.55	0.2526738	0.912784667	6.298195454	0.015994	0.17129543	0.10583343	1676.404	1.422434	5.138548	35.45588	0.090037	0.964313	0.595792	4.28079
T7 CAIRP construction	DSL	260.26	0.3456385	1.170172517	8.464050341	0.016545	0.22601296	0.15818391	1734.155	0.198316	0.671408	4.856401	0.009493	0.129679	0.090761	0.451333
T7 NNOOS	DSL	3166.41	0.1157841	0.512249478	3.682115753	0.015375	0.1180533	0.05489454	1611.557	0.808245	3.575821	25.70346	0.107327	0.824086	0.383198	5.102851
T7 NOOS	DSL	1008.65	0.1908481	0.713053285	5.908001	0.015987	0.140045	0.07593489	1675.67	0.424382	1.58559	13.1374	0.035549	0.311413	0.168854	1.69017
T7 other port	DSL	664.72	0.190961	0.621995572	6.076439093	0.016535	0.12599903	0.06249654	1733.158	0.279842	0.911497	8.904652	0.024231	0.184644	0.091585	1.15207
T7 POLA	DSL	269.05	0.2031593	0.64626004	6.516363429	0.016635	0.12843348	0.06482567	1743.606	0.120502	0.383322	3.865111	0.009867	0.076179	0.038451	0.469114
T7 Public	DSL	288.48	0.11803	0.453216145	12.0769753	0.017008	0.16293783	0.09783738	1782.705	0.075066	0.28824	7.680806	0.010817	0.103626	0.062223	0.514282
T7 Single	DSL	1272.15	0.437561	1.599554597	10.13432078	0.016513	0.31724248	0.24546688	1730.854	1.227172	4.486067	28.42244	0.046312	0.88973	0.68843	2.201913
T7 single construction	DSL	673.26	0.3629631	1.27782152	9.24254655	0.016384	0.25371402	0.18468663	1717.287	0.538732	1.896622	13.71836	0.024318	0.376578	0.274123	1.156183
T7 SWCV	DSL	617.16	0.3046909	4.339698271	14.20541511	0.029255	0.1159251	0.0528584	4303.022	0.414554	5.904471	19.32749	0.039803	0.157724	0.071918	2.655633
T7 tractor	DSL	3791.34	0.3347825	1.16220724	7.863074825	0.016087	0.20163306	0.13485867	1686.2	2.798226	9.714126	65.72227	0.134462	1.685318	1.127195	6.392964
T7 tractor construction	DSL	501.97	0.5153164	1.783077715	10.16881635	0.016458	0.31411523	0.24247491	1725.11	0.570263	1.973202	11.25309	0.018213	0.347608	0.268329	0.865947
T7 utility	DSL	23.67	0.0823073	0.31770835	4.636087958	0.016459	0.11427486	0.05127955	1725.144	0.004295	0.016578	0.241915	0.000859	0.005963	0.002676	0.040833
T7IS	GAS	146.00	0.9761156	39.01647899	4.572335912	0.01898	0.08304599	0.03267395	1836.158	0.314171	12.55778	1.471645	0.006109	0.026729	0.010516	0.26807
UBUS	GAS	465.30	0.3801803	5.041564553	1.009576053	0.017369	0.14423543	0.06061755	1730.614	0.389989	5.17164	1.035624	0.017817	0.147957	0.062182	0.80526
UBUS	DSL	1297.84	1.254368	13.36949608	18.41911001	0.011391	1.15274176	0.64977041	2247.395	3.588993	38.25275	52.70068	0.032591	3.29822	1.85912	2.916756
									Total (lbs/day)	124.47	2,572.39	810.48	7.23	93.39	43.68	330.86