



Air Quality Analysis for the  
Uptown, North Park, and  
Golden Hill Community  
Plan Updates, City of San  
Diego

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A handwritten signature in black ink, reading "William A. Maddux".

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## TABLE OF CONTENTS

<b>Acronyms</b>	<b>iii</b>
<b>Executive Summary</b>	<b>1</b>
Consistency with Regional Air Quality Plans	1
Air Quality Standards	2
Sensitive Receptors	3
Air Movement	3
Odors	4
<b>1.0 Introduction</b>	<b>5</b>
1.1 Project Overview	5
1.2 Development Summary	6
<b>2.0 Regulatory Framework</b>	<b>29</b>
2.1 Federal Regulations	29
2.2 State Regulations	35
2.3 State Implementation Plan	39
2.4 The California Environmental Quality Act	39
2.5 Regional Air Quality Strategy	39
<b>3.0 Environmental Setting</b>	<b>40</b>
3.1 Geographic Setting	40
3.2 Climate	40
3.3 Existing Air Quality	41
3.4 Regional Background Toxic Air Pollutants	43
<b>4.0 Thresholds of Significance</b>	<b>43</b>
4.1 CEQA Guidelines	43
4.2 San Diego Air Pollution Control District	43
4.3 Evaluation of Air Toxic Emissions	45
<b>5.0 Assessment Methodology</b>	<b>45</b>
5.1 Consistency with Regional Air Quality Plans	45
5.2 Air Quality Standards	46
5.3 Sensitive Receptors	49
<b>6.0 Air Quality Assessment</b>	<b>68</b>
6.1 Uptown	68
6.2 North Park	83
6.3 Golden Hill	89
<b>7.0 Conclusions</b>	<b>94</b>
7.1 Consistency with Regional Plans	94
7.2 Air Quality Standards	95
7.3 Sensitive Receptors	96
7.4 Air Movement	97
7.5 Odors	97
<b>8.0 References</b>	<b>97</b>

## TABLE OF CONTENTS (CONT.)

### FIGURES

1:	Regional Location	9
2:	CPU Locations on USGS Map	10
3a:	Location of the Uptown CPU Area on Aerial Photograph	11
3b:	Location of the North Park CPU Area on Aerial Photograph	13
3c:	Location of the Golden Hill CPU on Aerial Photograph	15
4a:	Uptown Land Uses under Adopted Community Plan	17
4b:	North Park Land Uses under Adopted Community Plan	19
4c:	Golden Hill Land Uses under Adopted Community Plan	21
5a:	Uptown CPU Land Uses	23
5b:	North Park CPU Land Uses	25
5c:	Golden Hill CPU Land Uses	27
6a:	Uptown Census Blocks	61
6b:	North Park Census Blocks	63
6c:	Golden Hill Census Blocks	65
7a:	Uptown CPU 2035 Annual PM Concentrations from Freeway Operations	75
7b:	North Park CPU 2035 Annual PM Concentrations from Freeway Operations	77
7c:	Golden Hill CPU 2035 Annual PM Concentrations from Freeway Operations	79

### TABLES

1:	Land Use Distributions in 2035 by Community	8
2:	Ambient Air Quality Standards	31
3:	Summary of Air Quality Measurements Recorded at the San Diego – 1110 Beardsley Street Monitoring Station	42
4:	Air Quality Impact Screening Levels	44
5:	Diesel Particulate Matter Risk Data	53
6:	Point Estimates for Daily Breathing Rate for 9-, 30-, and 70-year Exposure Durations	55
7:	Adjustment Factors to Convert Inhalation-based Cancer Risk Estimates for a Residential Receiver to a Worker Receiver	56
8:	Incremental Cancer Risk Diesel Particulate Matter Concentration Multiplication Factors	56
9:	Modeled Traffic Volumes	67
10:	Sample Daily Construction Emissions	69
11:	Total Operational Emissions for the Uptown CPU Area	71
12:	Maximum Buildout CO Concentrations in the Uptown CPU Area	72
13:	Total Operational Emissions for the North Park CPU Area	85
14:	Maximum Buildout CO Concentrations in the North Park CPU Area	86
15:	Total Operational Emissions for the Golden Hill CPU Area	91

### ATTACHMENTS

1:	CalEEMod Output Files
2:	EMFAC2014 Emissions Data Sheets
3:	AERMOD Data Sheets

# Acronyms

AAQS	Ambient air quality standards
AERMET	AERMOD Meteorological Preprocessor
AERMOD	Atmospheric Dispersion Modeling System
AB	Assembly Bill
ADT	average daily traffic
ASOS	Automated Surface Observing System
ATCM	airborne toxic control measure
AQIP	Air Quality Improvement Program
CAA	Clean Air Act
CAAQS	California Ambient Air Quality Standards
CalEEMod	California Emissions Estimator Model
CASAC	Clean Air Scientific Advisory Committee
CARB	California Air Resources Board
CCR	California Code Regulation
CEQA	California Environmental Quality Act
CFR	Code of Federal Regulations
CO	carbon monoxide
CPU	Community Plan Update
CPV	cancer potency values
DBR	Daily breathing rate
DERA	Diesel Emission Reduction Act
DPM	diesel particulate matter
EI	Expansion Index
EMFAC	Emission Factor Model
°F	degree Fahrenheit
FR	Federal Register
I-5	Interstate 5
I-8	Interstate 8
I-15	Interstate 15
I-805	Interstate 805
ISC	Industrial Source Complex
LDC	Land Development Code
LOS	level of service
$\mu\text{g}/\text{m}^3$	microgram per cubic meter
$\text{km}^2$	square kilometer
MCAS	Marine Corps Air Station
MEI	maximally exposed individual
MEIR	maximally exposed individual resident
MEIW	maximally exposed individual worker
mgd	million gallon per day
mg/kg BW-day	milligram of dose per kilogram of body weight each day
mph	mile per hour
MSL	mean sea level
NAAQS	national ambient air quality standards
$\text{NO}_2$	nitrogen dioxide
$\text{NO}_x$	nitrogen oxides
NWS	National Weather Service
$\text{O}_3$	ozone

Air Quality Analysis for the  
Uptown, North Park, and Golden Hill CPUs

OEHHA	Office of Environmental Health Hazard Assessment
Pb	lead
PF	potency risk factor
PM <sub>2.5</sub>	particulate matter with an aerodynamic diameter of 2.5 microns or less
PM <sub>10</sub>	particulate matter with an aerodynamic diameter of 10 microns or less
PMI	point of maximum impact
ppb	parts per billion
pphm	parts per hundred million
ppm	parts per million
RAQS	Regional Air Quality Strategy
REL	Reference Exposure Level
ROG	reactive organic gases
SANDAG	San Diego Association of Governments
SB	Senate Bill
SCAB	South Coast Air Basin
SCAQMD	South Coast Air Quality Management District
SDAB	San Diego Air Basin
SDAPCD	San Diego Air Pollution Control District
SIP	State Implementation Plan
SMAQMD	Sacramento Metropolitan Air Quality Management District
SO <sub>x</sub>	oxide of sulphur
SO <sub>2</sub>	sulfur dioxide
SR-94	State Route 94
SR-163	State Route 163
TAC	toxic air contaminant
TCM	Transportation Control Measures
USC	United States Code
U.S. EPA	United States Environmental Protection Agency
VOC	volatile organic compounds

## Executive Summary

This report evaluates potential local and regional air quality impacts associated with the Uptown, North Park, and Golden Hill Community Plan Updates (CPUs). The community planning areas are located in the southern portion of the City of San Diego, northeast of downtown San Diego. The CPUs update the adopted 1988 Uptown Community Plan, the 1986 North Park Community Plan, and the 1988 Golden Hill Community Plan. Approval of the CPUs would amend the City of San Diego General Plan (2008) and establish land use designations and policies to guide future development consistent with the City's General Plan (City of San Diego 2008). The CPUs express the General Plan policies through the provision of more site-specific recommendations.

### Consistency with Regional Air Quality Plans

The San Diego Air Basin (SDAB) is a federal and state nonattainment area for ozone, and ozone is addressed in the Regional Air Quality Strategy (RAQS). The growth projections upon which the RAQS was developed are based on the Adopted Community Plan land uses and the emissions associated with those land uses. Emissions associated with buildout under the Uptown and Golden Hill CPUs would be less than those associated with buildout of the Adopted Community Plans. Therefore, it can be concluded that the emissions of this magnitude were accounted for in the development of the RAQS and that these CPUs would be consistent with the RAQS. Therefore, the land use changes associated with the Uptown and Golden Hill CPUs would be consistent with the adopted air quality plans.

Future operational emissions associated with the North Park CPU would be greater than anticipated for future operational emissions under the Adopted Community Plan. Therefore, emissions of ozone precursors would be greater than what is accounted for in the RAQS. Thus, the North Park CPU would conflict with implementation of the RAQS and could have a potentially significant impact on regional air quality. Because the significant air impact stems from an inconsistency between the North Park CPU and the adopted land use plans upon which the RAQS was based, the only measure that can lessen this effect is the revision of the RAQS and State Implementation Plan (SIP) based on the revised North Park CPU. This effort is the responsibility of San Diego Association of Governments (SANDAG) and the San Diego Air Pollution Control District (SDAPCD) and is outside the jurisdiction of the City. The provision of updated land use information would assist SANDAG in revising the housing forecasts; however, until the anticipated growth is included in the emission estimates of the RAQS and the SIP, direct and cumulative impacts relative to conformance with the RAQS would remain significant and unavoidable.

## **Air Quality Standards**

### **Construction**

To illustrate the range of potential construction-related air quality impacts from projects that could occur, three hypothetical projects were evaluated: a 1.8-acre multi-family residential project, a 25,000-square-foot commercial project, and a 65,000-square-foot light industrial project. As calculated in this analysis, the hypothetical individual projects would not result in air emissions that would exceed the applicable thresholds. Approval of the CPUs would not specifically permit the construction of an individual project, and no specific development details are available at this time. Additionally, the regulations at the federal, state, and local level provide a framework for developing project-level air quality protection measures for future discretionary projects. The City's process for the evaluation of discretionary projects also includes environmental review and documentation pursuant to California Environmental Quality Act (CEQA) as well as an analysis of those projects for consistency with the goals, policies, and recommendations of the General Plan. Thus, implementation of the policies in each of the CPUs and General Plan would preclude or reduce construction-related air quality impacts to a level less than significant.

Ministerial projects would not require environmental review. Generally, ministerial permits require a public official to determine only that the project conforms to applicable zoning and building code requirements and that applicable fees have been paid. These projects are generally smaller in size than those requiring discretionary review and would be smaller than the hypothetical projects evaluated in this analysis. As such, construction-related air quality impacts associated with the CPUs would be less than significant for ministerial projects.

### **Operation**

While program-level air emissions would exceed the City's project-level thresholds for all CPUs, the Uptown and Golden Hill CPUs would emit fewer pollutants than would occur under the Adopted Community Plan. Therefore, the air emissions from buildout of the CPUs would not increase air pollutants in the region, would not further increase the frequency of existing violations of federal or state Ambient Air Quality Standards (AAQS), or result in new exceedances. Therefore, air quality impacts associated with the adoption of the Uptown and Golden Hill CPUs would result in less than significant impacts.

Operational emissions associated with the North Park CPU would be greater for all pollutants when compared to the Adopted Community Plan. Additionally, the North Park CPU would result in emissions in excess of project-level thresholds. Thus, the North Park CPU would have a potentially significant impact on regional air quality.

While identified regulations would reduce emissions and may preclude many potential impacts, as no project-specific data is available at this time and air emissions from the future



developments within the planning areas cannot be adequately quantified, this impact would be significant. The following mitigation framework identified in Section 7.0 shall be implemented; however, impacts would remain significant at the program level.

## **Sensitive Receptors**

### **CO Hotspots**

The hot spot analysis indicates that the increase of carbon monoxide (CO) due to the implementation of the CPUs would be below the federal and state standards. As there would be no harmful concentrations of CO and localized air quality emissions would not exceed applicable standards under any of the CPUs, impacts would be less than significant.

### **Stationary Sources**

It is possible that businesses that generate air pollutants would be developed within the CPU areas. Without appropriate controls, air emissions associated with planned land uses would represent a significant adverse air quality impact. However, the SDAPCD would require an emissions inventory and health risk assessment in accordance with Assembly Bill (AB) 2588 prior to issuance of any permits to construct or operate. As the CPUs do not identify specific projects and existing laws would require evaluation and reductions of risks, at a program level, impacts would be less than significant.

### **Mobile Sources**

The health risk analysis indicates that the incremental increase in carcinogenic risks associated with diesel particulate matter (DPM) from freeway traffic in 2035 would be less than 10 in a million within each of the CPUs. The analysis also indicates that the non-carcinogenic risks are projected to have a maximum chronic hazard index below the significance threshold of 1.0. Therefore, health risk impacts to sensitive receptors located near freeways would be less than significant.

## **Air Movement**

The CPU areas are heavily developed, and only relatively small areas would experience a change in land uses, most of which would involve the demolition of existing structures and improvements. Thus, future development would be similar in height, bulk, and scale to existing development in the area. Implementation of the proposed CPUs would result in a similar development pattern and would not substantially change air movement within any of the CPUs.

## **Odors**

The CPUs propose single-family residential, multi-family residential, commercial, institutional, hotel, and park and open space land uses, and would not introduce land uses that would generate substantial odor. A typical use in the CPU areas that would generate odors would be restaurants. These odors would be similar to existing residential and food service uses throughout the CPU areas and would be confined to the immediate vicinity of the buildings. Restaurants are also typically required to provide ventilation systems that avoid substantial adverse odor impacts. Implementation of the CPUs would not create operational-related objectionable odors affecting a substantial number of people within the City. Program-level impacts associated with odor would be less than significant.

## 1.0 Introduction

The purpose of this report is to assess potential short- and long-term local and regional air quality impacts resulting from the Uptown, North Park, and Golden Hill CPUs.

Air pollution effects can include the following:

- Increased respiratory infections
- Increased discomfort
- Missed days from work and school
- Increased mortality

Polluted air also damages agriculture and our natural environment.

The three planning areas are located within the SDAB, one of 15 air basins within the state of California. As described in Section 3.1, the SDAB is currently classified as a federal non-attainment area for ozone and a state non-attainment area for particulate matter with an aerodynamic diameter of 10 microns or less ( $PM_{10}$ ), particulate matter with an aerodynamic diameter of 2.5 microns or less ( $PM_{2.5}$ ), and ozone.

Air quality impacts can result from the construction and operation of a project. Construction impacts are short-term and result from fugitive dust, equipment exhaust, and indirect effects associated with construction workers and deliveries. Operational impacts can occur on two levels: regional impacts resulting from development or local hot-spot effects experienced by sensitive receivers close to highly congested roadways.

The analysis of impacts is based on state and federal AAQS and is assessed in accordance with the guidelines, policies, and standards established by the City of San Diego and the SDAPCD. CPU compatibility with the adopted air quality plan for the area is also assessed. Measures are recommended, as required, to reduce potentially significant impacts.

## 1.1 Project Overview

The CPUs would update the adopted 1988 Uptown Community Plan, 1986 North Park Community Plan, and 1988 Golden Hill Community Plan. The CPUs provide goals and supporting policies for future development within the planning areas. Approval of the CPUs would amend the City of San Diego's (City) General Plan and establish land use designations and policies to guide future development consistent with it (City of San Diego 2008). The CPUs express the General Plan policies through the provision of more site-specific recommendations. Each CPU includes eight elements based on those promulgated in the City's General Plan, with goals and policies for each. The eight elements are: Land Use; Mobility; Urban Design; Economic Prosperity; Public Facilities, Services, and Safety; Recreation; Conservation; and Noise.

The planning areas are bounded by Mission Valley to the north, Normal Heights and City Heights to the east, Southeastern San Diego and Centre City to the south, and Midway Pacific Highway Corridor and Old Town San Diego communities to the west. Balboa Park lies in between the three planning areas. Figure 1 shows the regional location of the planning areas; Figure 2 shows the boundaries of the planning areas on a U.S. Geological Survey map; and Figures 3a through 3c show an aerial photograph of each of the planning areas. Figures 4a through 4c and 5a through 5c show the land use designations under the Adopted Community Plan and proposed CPUs.

## **1.2 Development Summary**

The CPUs encompass a broad range of the land use designations defined in the General Plan and contain a more detailed description and distribution of land uses than the citywide General Plan. Existing land uses as well as planned land uses under the Adopted Community Plans and the proposed CPUs are summarized in Table 1.

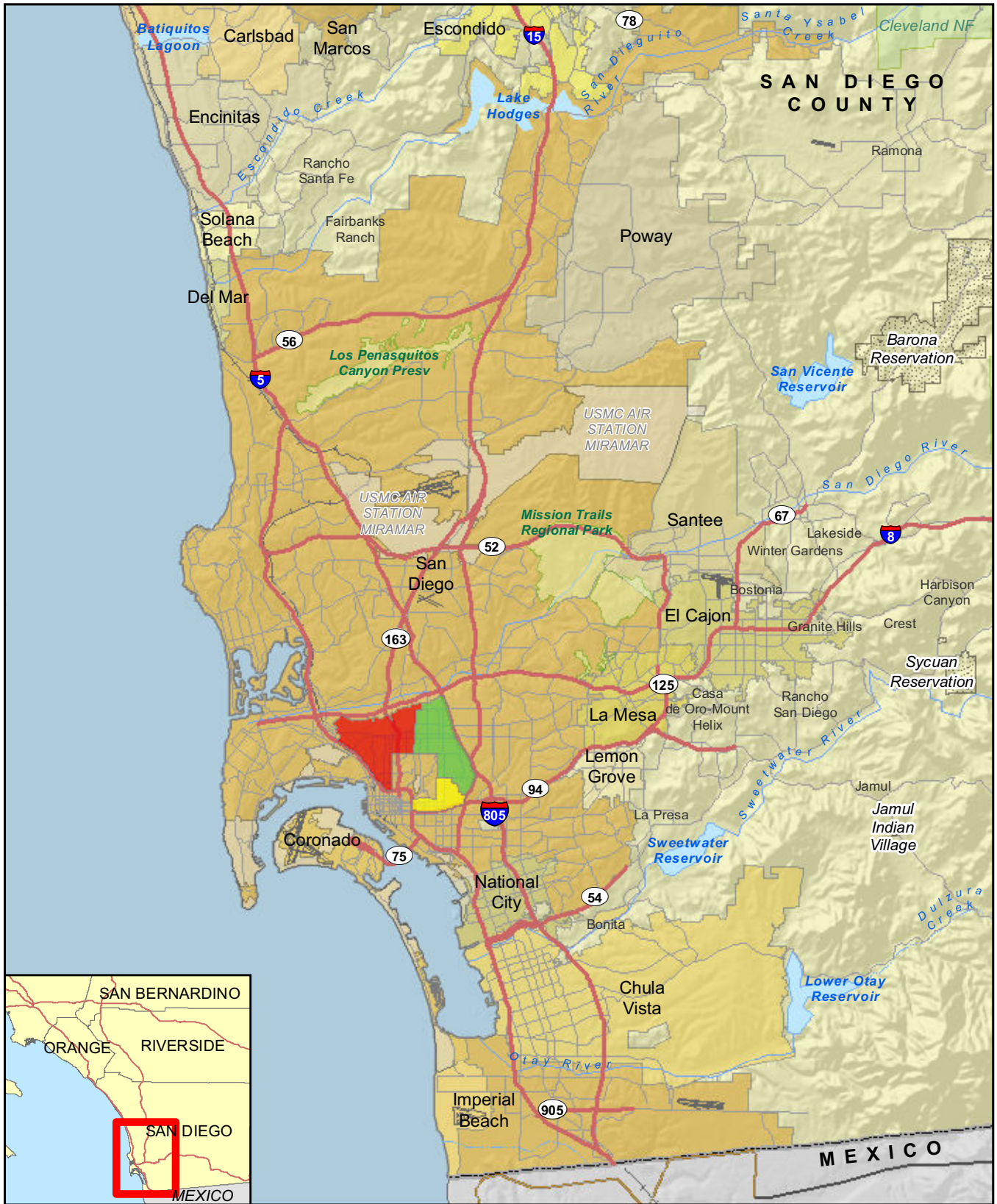
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**TABLE 1**  
**LAND USE DISTRIBUTIONS IN 2035 BY COMMUNITY**

Land Use	Existing Land Use	Adopted Community Plan	Proposed Community Plan
Uptown			
Residential (dwelling units)			
Single-Family	7,540	5,540	5,500
Multi-Family <sup>1</sup>	15,620	29,060	27,180
<b>SUBTOTAL<sup>2</sup></b>	<b>23,160</b>	<b>34,600</b>	<b>32,680</b>
Non-Residential (square feet)			
Commercial	4,184,170	4,783,000	4,785,200
Industrial	19,710	-	-
Institutional	2,627,550	2,314,900	2,485,700
Hotels	366,460	174,000	174,000
Recreation	31,110	31,100	31,100
<b>SUBTOTAL<sup>2</sup></b>	<b>7,229,000</b>	<b>7,303,000</b>	<b>7,476,000</b>
North Park			
Residential (dwelling units)			
Single-Family	5,797	5,116	5,117
Multi-Family <sup>1</sup>	19,228	29,179	31,453
<b>SUBTOTAL<sup>2</sup></b>	<b>25,025</b>	<b>34,295</b>	<b>36,570</b>
Non-Residential (square feet)			
Commercial	2,302,110	2,175,460	2,138,210
Industrial	42,850	-	-
Institutional	909,380	870,440	870,440
Hotels	163,866	158,870	158,900
Recreation	72,430	27,460	27,450
<b>SUBTOTAL<sup>2</sup></b>	<b>3,490,640</b>	<b>3,232,230</b>	<b>3,195,000</b>
Golden Hill			
Residential (dwelling units)			
Single-Family	3,100	2,070	2,095
Multi-Family <sup>1</sup>	4,160	7,100	7,120
<b>SUBTOTAL<sup>2</sup></b>	<b>7,260</b>	<b>9,170</b>	<b>9,215</b>
Non-Residential (square feet)			
Commercial	268,810	431,160	393,960
Industrial	112,750	0	0
Institutional	264,130	213,040	213,040
Hotels	0	0	0
Recreation	2,250	0	0
<b>SUBTOTAL<sup>2</sup></b>	<b>647,940</b>	<b>644,200</b>	<b>607,000</b>

<sup>1</sup> All dwelling units that are not single-family were counted as multi-family. This includes dwelling units on other land uses such as commercial and institutional.

<sup>2</sup> Total area may not match sum of listed areas due to rounding.



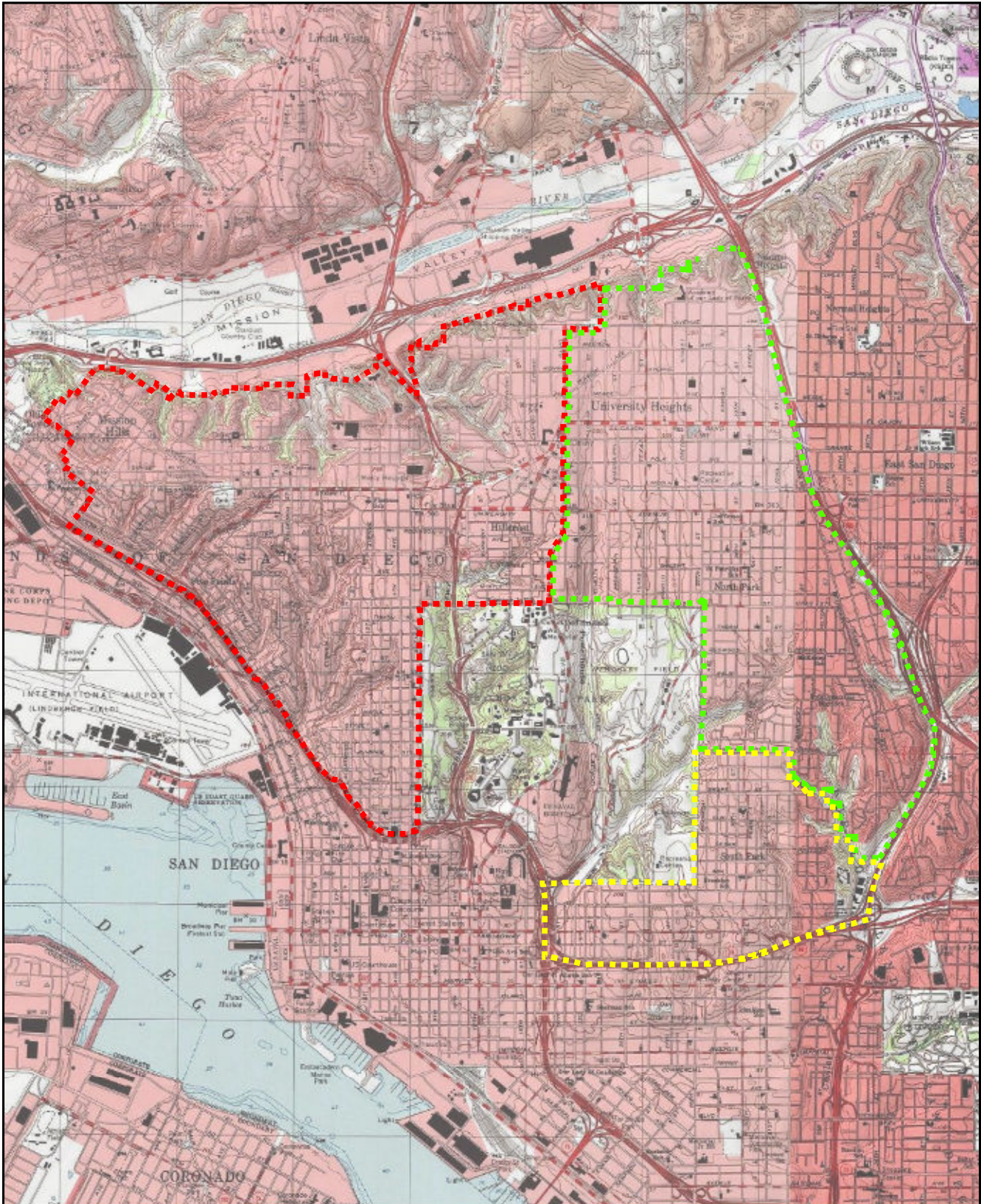
**Community Plan Boundaries**

- Uptown
- North Park
- Golden Hill




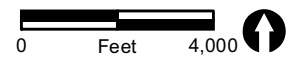
**FIGURE 1**

Regional Location



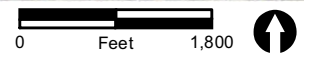
**Community Plan Boundaries**

-  Uptown
-  North Park
-  Golden Hill



**FIGURE 2**  
CPU Locations on USGS Map



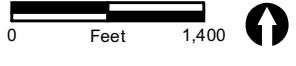
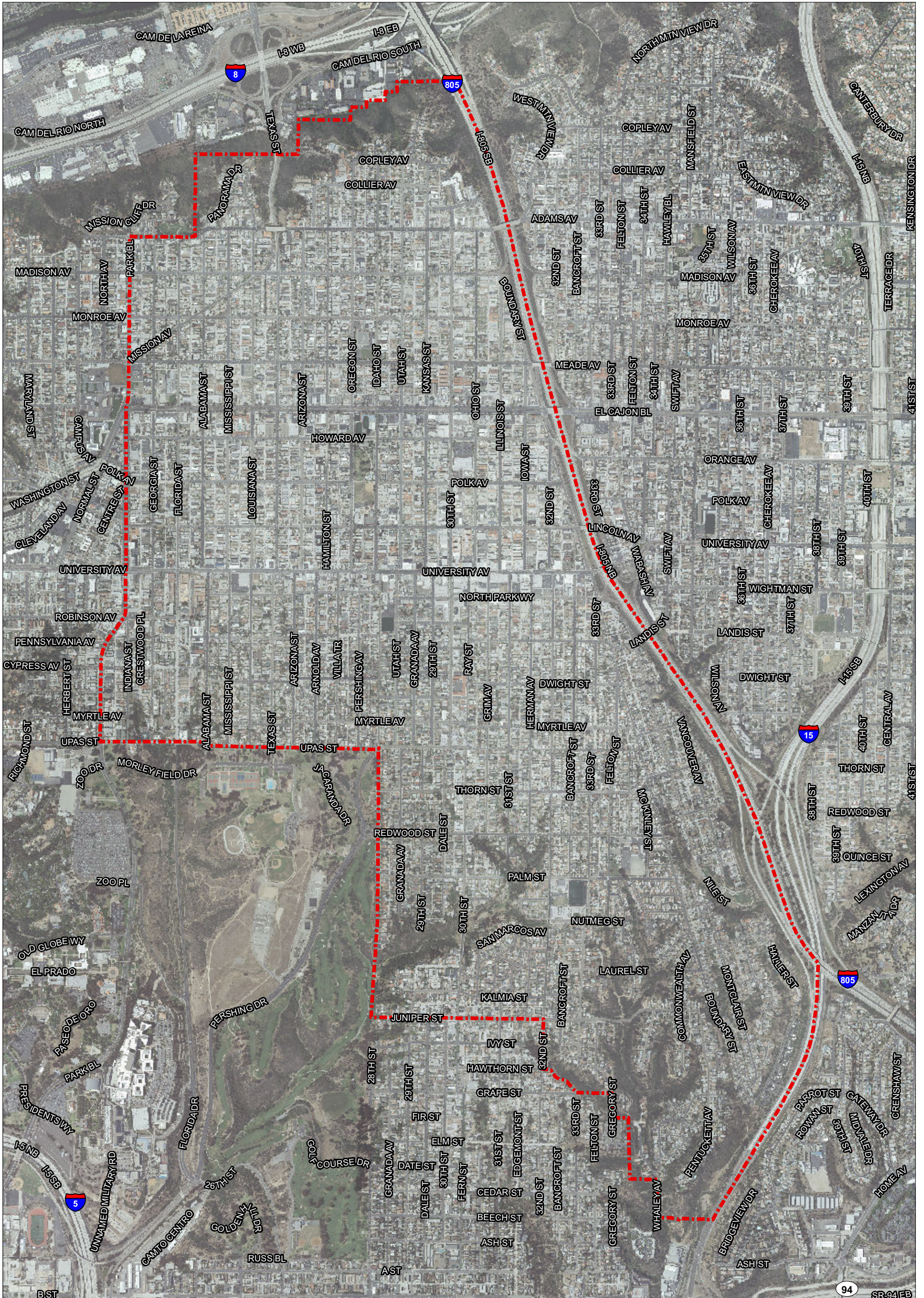


 Uptown Community Plan Boundary

FIGURE 3a

Location of the Uptown CPU Area on Aerial Photograph

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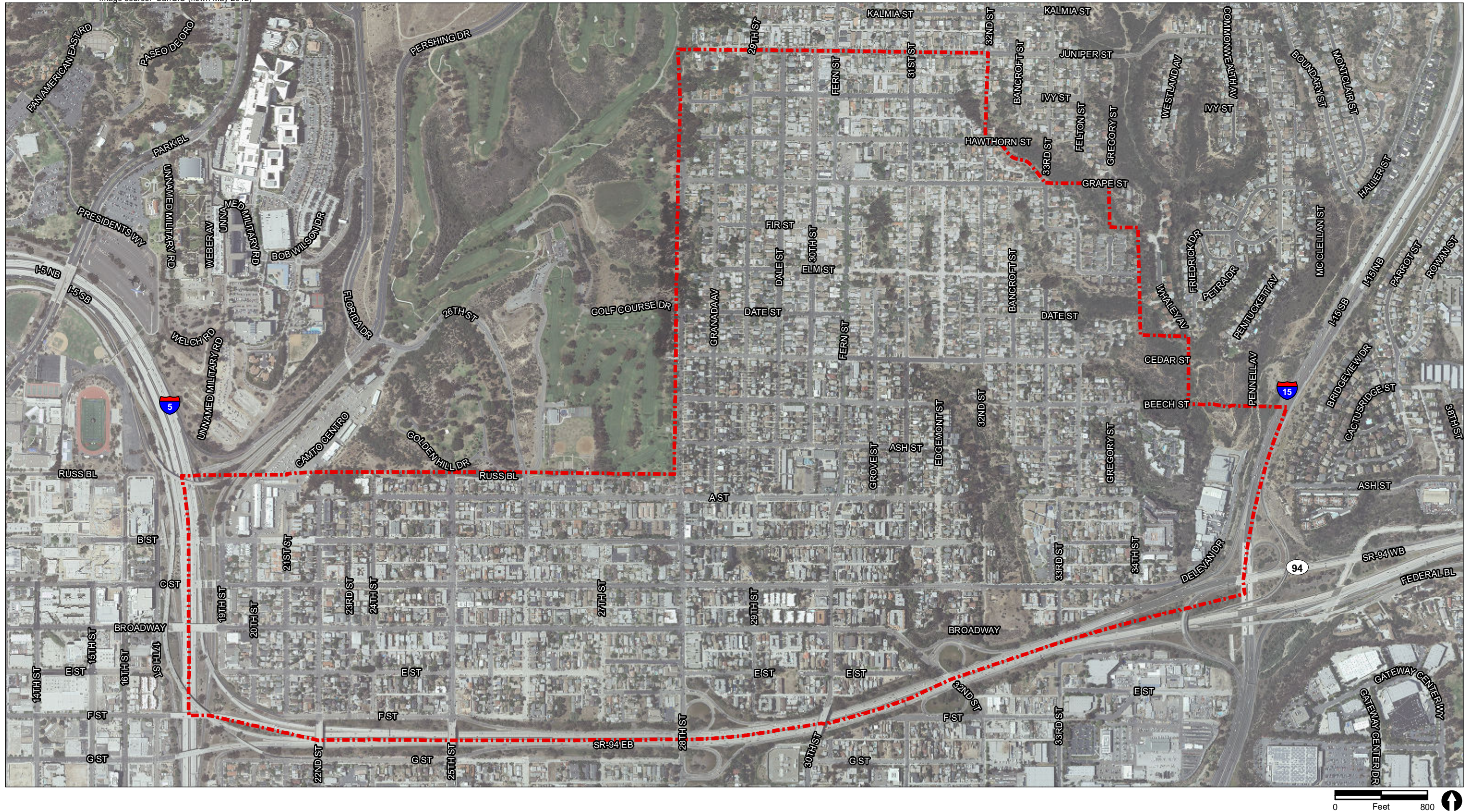


 North Park Community Plan Boundary

FIGURE 3b

Location of the North Park CPU Area on Aerial Photograph

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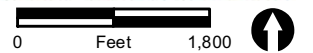
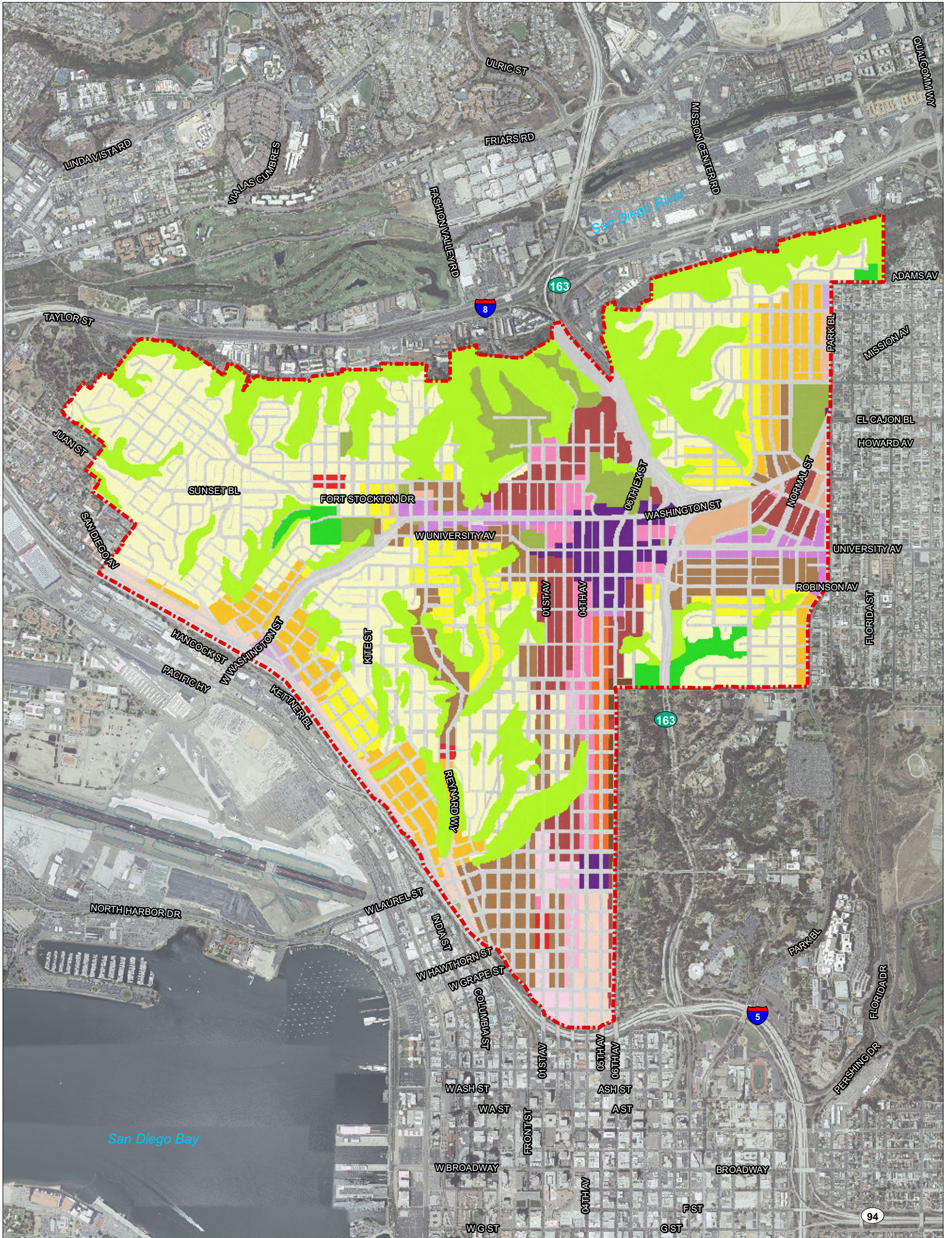


 Golden Hill Community Plan Boundary

FIGURE 3c

Location of the Golden Hill CPU Area on Aerial Photograph

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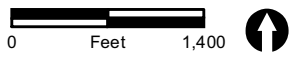
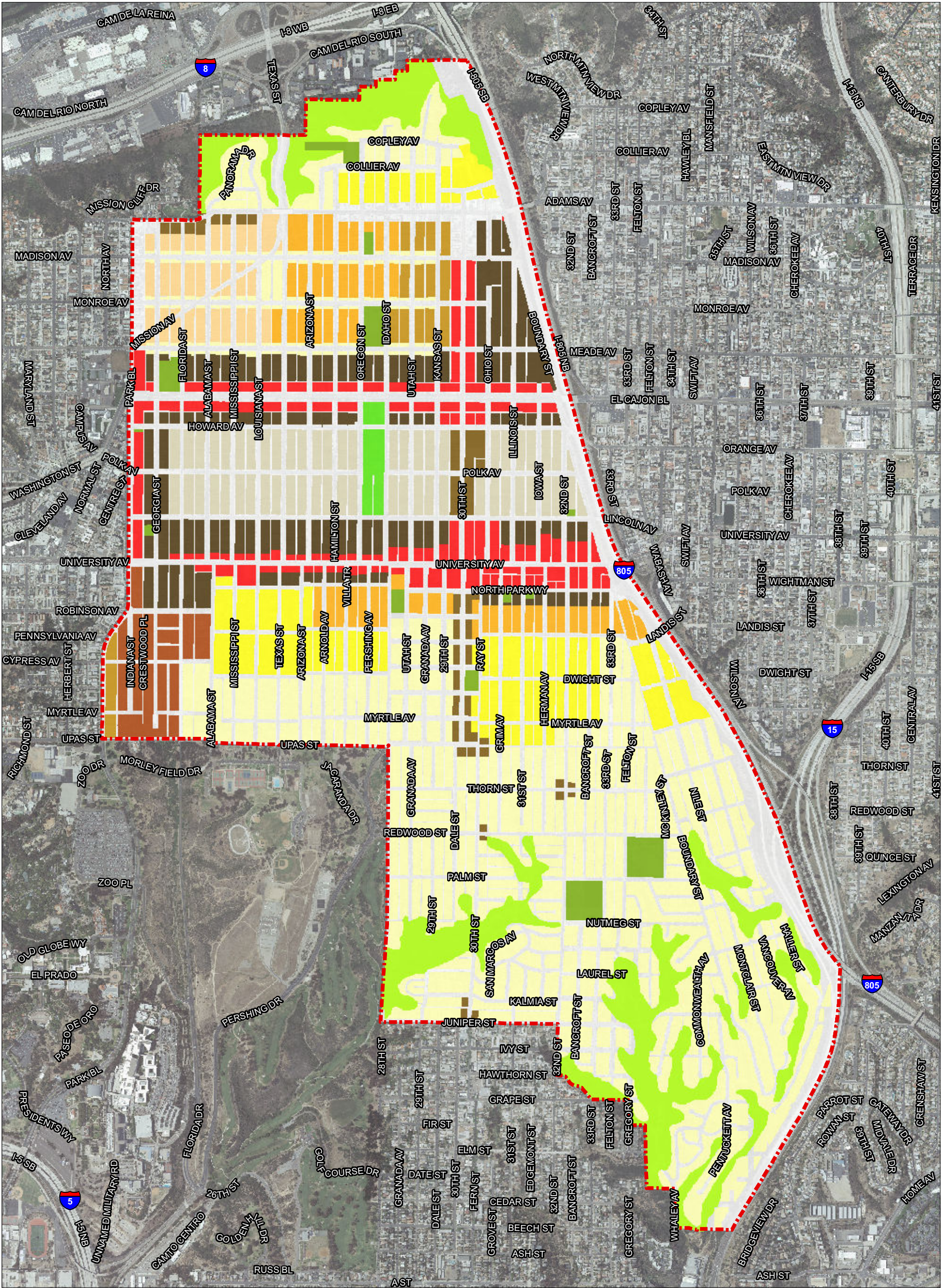
- |  |  |   |
|--|--|---|
| Uptown Community Plan Boundary                   | Mixed Use (residential density 4)              | Commercial/Residential (residential density 4)  |
| <b>Adopted Land Use</b>                          | Mixed Use (residential density 5)              | Commercial/Residential (residential density 5)  |
| Low Density Residential 1 (5-10 du/ac)           | Mixed Use (residential density 6)              | Commercial/Residential (residential density 6)  |
| Low Medium Density Residential 2 (10-15 du/ac)   | Office/Residential (residential density 3)     | Neighborhood Commercial (residential density 3) |
| Medium Density Residential 3 (15-29 du/ac)       | Office/Residential (residential density 4)     | Institutional                                   |
| Medium High Density Residential 4 (29-44 du/ac*) | Office/Residential (residential density 5)     | Park  |
| High Density Residential 5 (44-73 du/ac*)        | Commercial/Residential (residential density 3) | Open Space                                      |
| Very High Density Residential 6 (73-110 du/ac)   |  |   |

FIGURE 4a

Uptown Land Uses under Adopted Community Plan

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North Park Community Plan Boundary	Residential Low (5-10 du/nra)	Residential Medium (15-30 du/nra)	Commercial w/ High/Very High Residential (45-55 du/nra)
<b>Adopted Land Use</b>	Residential Low-Medium (10-15 du/nra)	Residential Medium-High/B 30-35 du/nra (35-45 du/nra)*	Commercial w/ High/Very High(+) Residential (55-75 du/nra)
Residential Low-Medium(+) (10-20 du/nra)	Residential Medium-High (30-45 du/nra)	Residential High/Very High	Institutional
Residential Medium(-) (15-25 du/nra)	Commercial w/ Medium Residential (15-30 du/nra)	Commercial w/ Medium High(+) Residential (30-45 du/nra)	Park
			Open Space w/ Very Low Residential (0-5 du/nra)

FIGURE 4b  
North Park Land Uses under Adopted Community Plan

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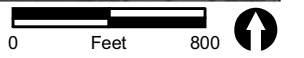
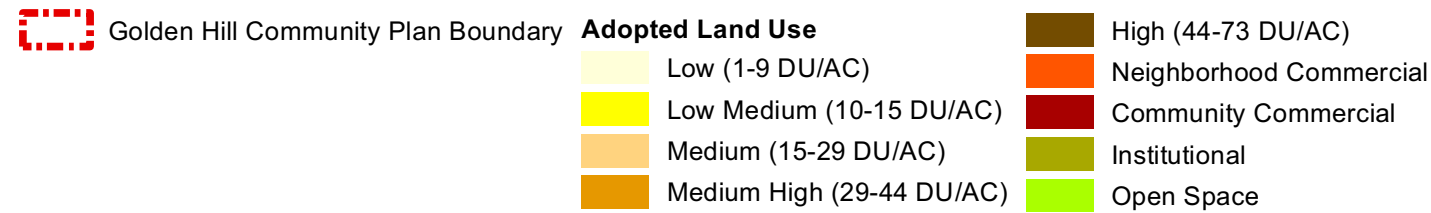
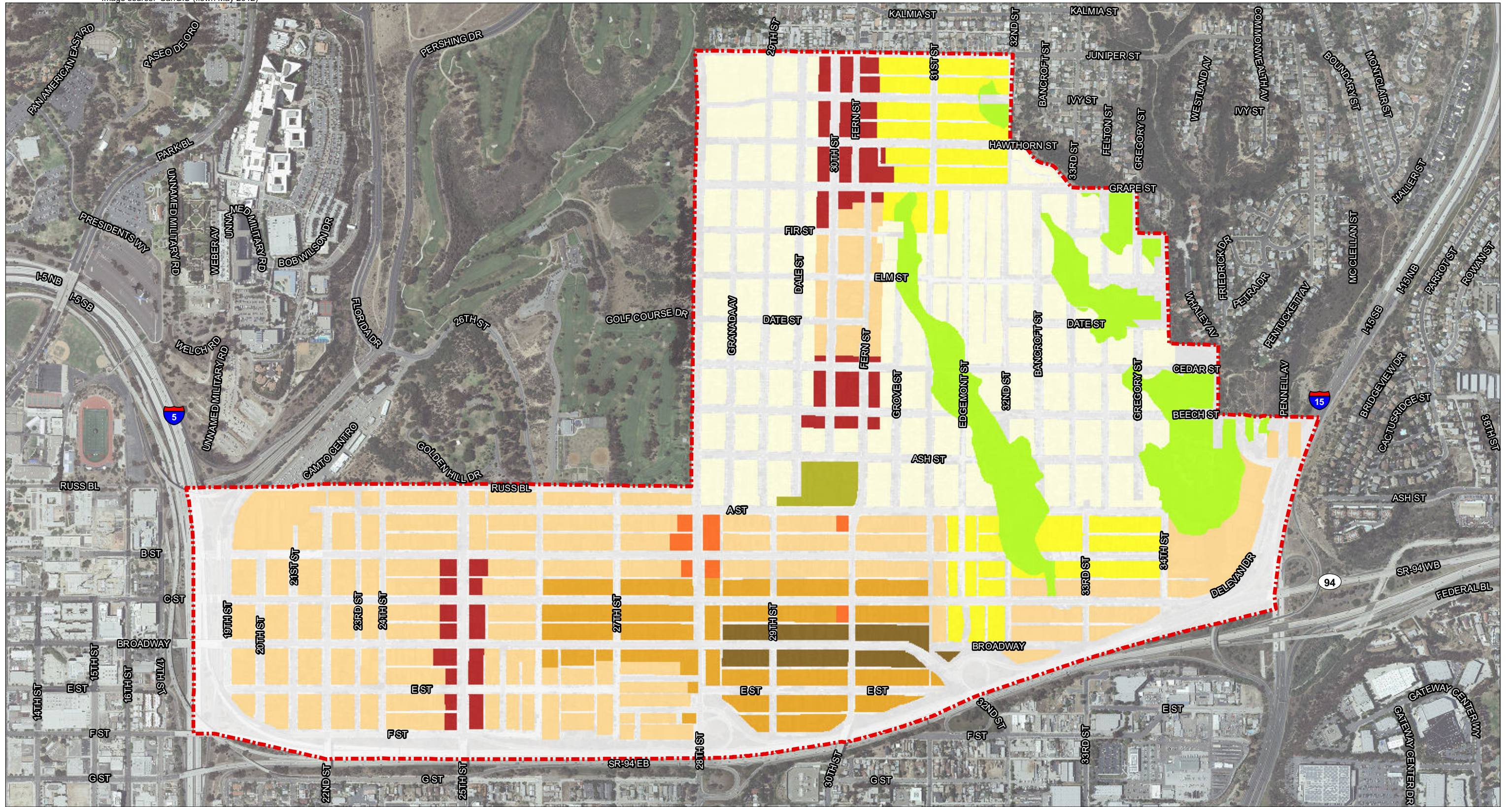
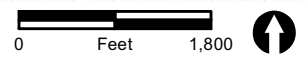
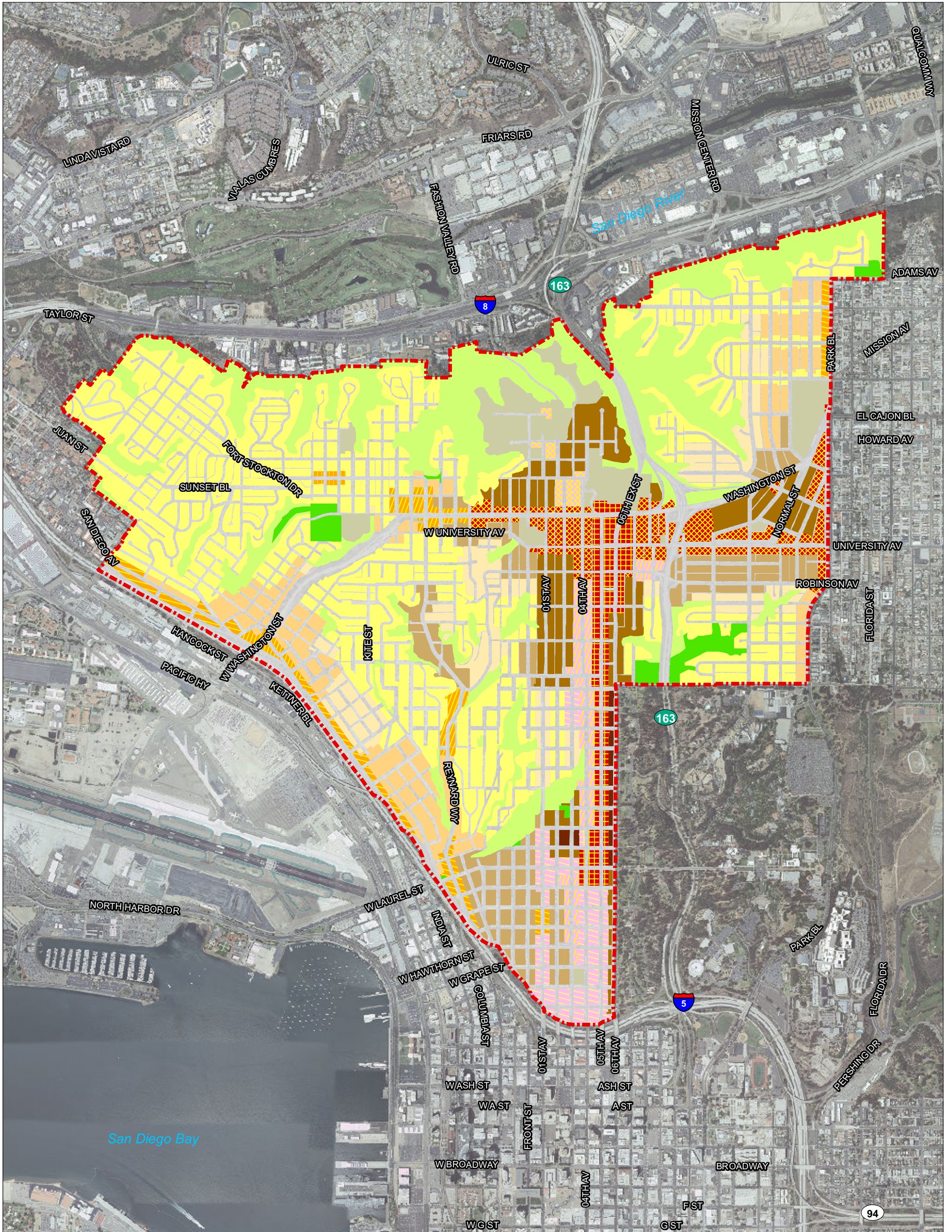


FIGURE 4c

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Uptown Community Plan Boundary	<b>Commercial, Employment, Retail, and Services</b>	Office Commercial : 0-44 Du/Ac
<b>Proposed Land Use (Draft)</b>	Community Commercial : 0-29 Du/Ac	Office Commercial : 0-73 Du/Ac
<b>Residential</b>	Community Commercial : 0-44 Du/Ac	Office Commercial : 0-109 Du/Ac
Residential - Low : 5-9 Du/Ac	Community Commercial : 0-73 Du/Ac	<b>Park, Open Space, and Recreation</b>
Residential - Low Medium : 10-15 Du/Ac	Community Commercial : 0-109 Du/Ac	Open Space
Residential - Medium : 16-29 Du/Ac	Neighborhood Commercial : 0-15 Du/Ac	Park
Residential - Medium High : 30-44 Du/Ac	Neighborhood Commercial : 0-29 Du/Ac	<b>Institutional, and Public/Semi-Public Facilities</b>
Residential - High : 45-73 Du/Ac	Neighborhood Commercial : 0-44 Du/Ac	Institutional
Residential - Very High : 74-109 Du/Ac	Office Commercial : 0-29 Du/Ac	

FIGURE 5a

Uptown CPU Land Uses

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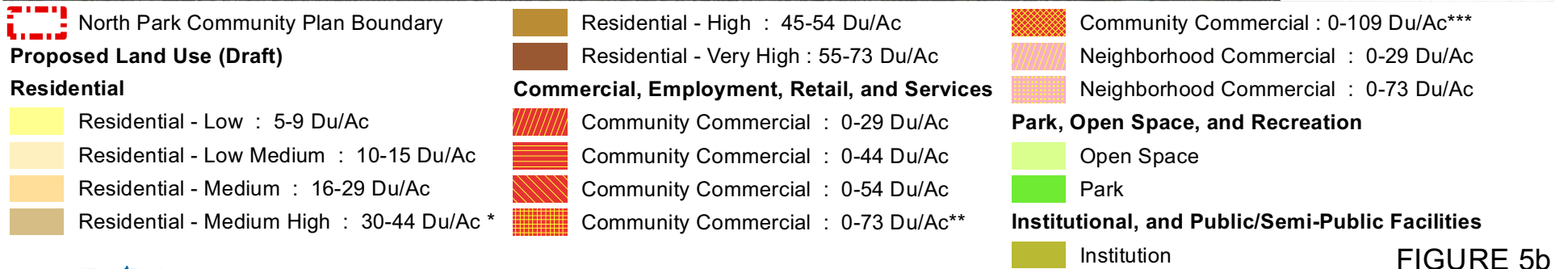
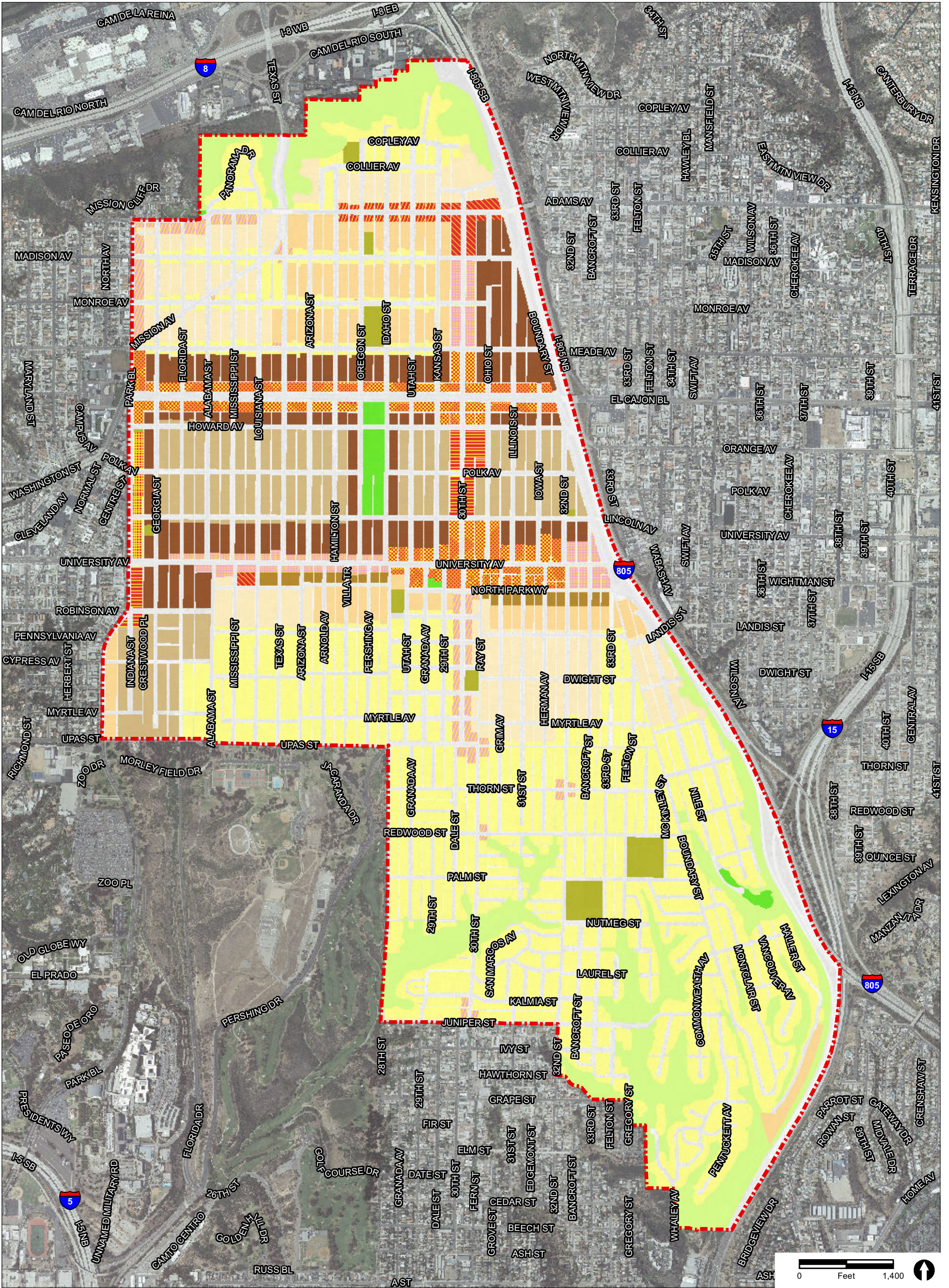
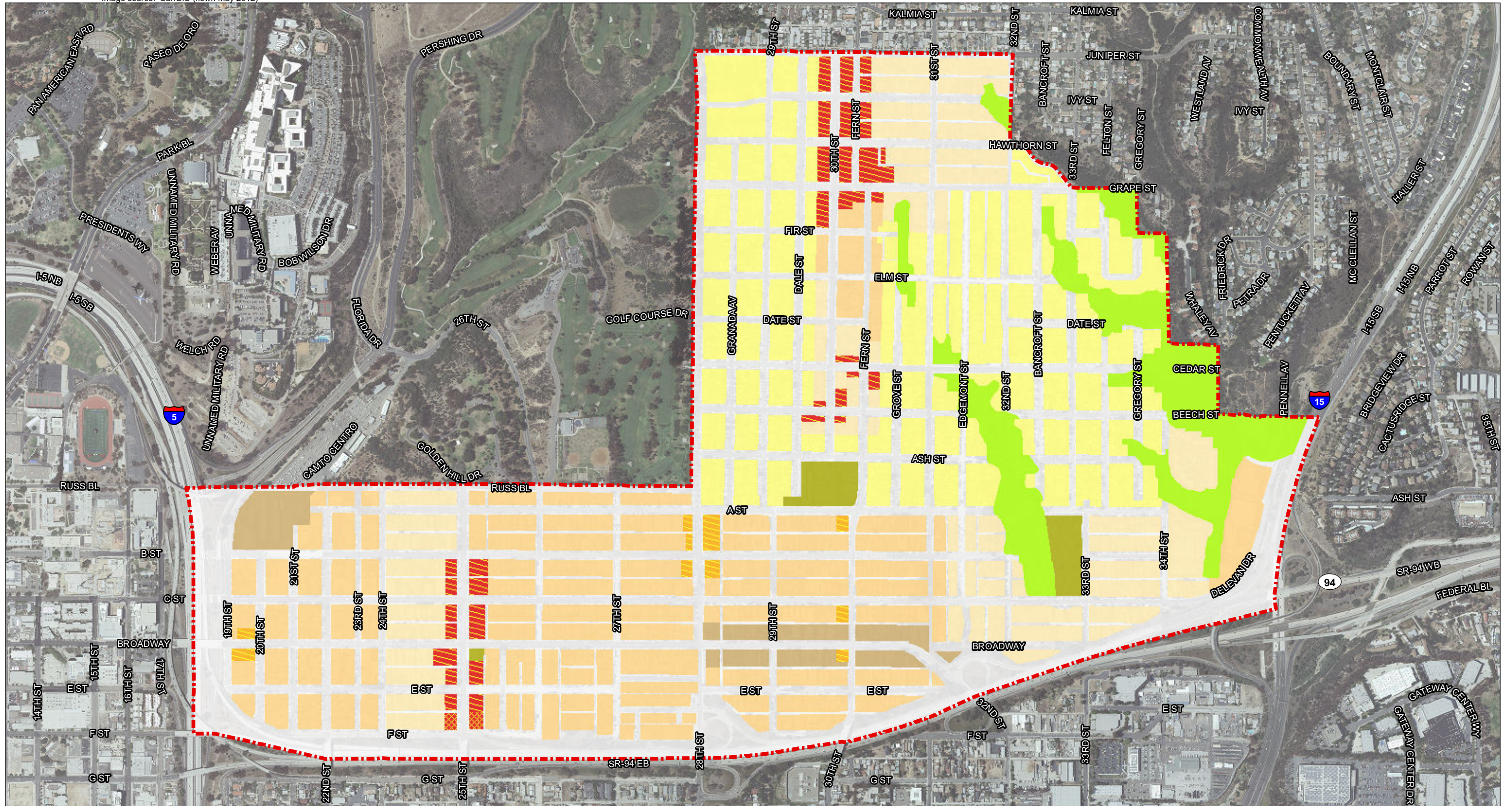


FIGURE 5b

North Park CPU Land Uses

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Golden Hill Community Plan Boundary

**Proposed Land Use (Draft)**

**Residential**

- Residential - Low : 5-9 Du/Ac
- Residential - Low Medium : 10-15 Du/Ac
- Residential - Medium : 16-29 Du/Ac

Residential - Medium High : 30-44 Du/Ac

**Commercial, Employment, Retail, and Services**

- Community Commercial - Residential Permitted : 0-29 Du/Ac
- Community Commercial - Residential Permitted : 0-44 Du/Ac
- Neighborhood Commercial - Residential Permitted : 0-29 Du/Ac

**Park, Open Space, and Recreation**

- Open Space
- Institutional, and Public/Semi-Public Facilities**
- Institutional

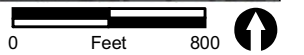


FIGURE 5c  
Golden Hill CPU Land Uses

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## 2.0 Regulatory Framework

Motor vehicles are San Diego County's leading source of air pollution (County of San Diego 2008). In addition to these sources, other mobile sources include construction equipment, trains, and airplanes. Emission standards for mobile sources are established by state and federal agencies, such as the California Air Resources Board (CARB) and the United States Environmental Protection Agency (U.S. EPA). Reducing mobile source emissions requires the technological improvement of existing mobile sources and the examination of future mobile sources, such as those associated with new or modification projects (e.g., retrofitting older vehicles with cleaner emission technologies). The state of California has developed statewide programs to encourage cleaner cars and cleaner fuels. Since 1996, smog-forming emissions from motor vehicles have been reduced by 15 percent, and the cancer risk from exposure to motor vehicle air toxics has been reduced by 40 percent (County of San Diego 2008). The regulatory framework described below details the federal and state agencies that are in charge of monitoring and controlling mobile source air pollutants and the measures currently being taken to achieve and maintain healthful air quality in the SDAB.

In addition to mobile sources, stationary sources also contribute to air pollution in the SDAB. Stationary sources include gasoline stations, power plants, dry cleaners, and other commercial and industrial uses. Stationary sources of air pollution are regulated by the local air pollution control or management district, in this case the SDAPCD.

The state of California is divided geographically into 15 air basins for managing the air resources of the state on a regional basis. Areas within each air basin are considered to share the same air masses and, therefore, are expected to have similar ambient air quality. If an air basin is not in either federal or state attainment for a particular pollutant, the basin is classified as a moderate, serious, severe, or extreme non-attainment area for that pollutant (there is also a marginal classification for federal non-attainment areas). Once a non-attainment area has achieved the air quality standards for a particular pollutant, it may be redesignated to an attainment area for that pollutant. To be redesignated, the area must meet air quality standards and have a 10-year plan for continuing to meet and maintain air quality standards, as well as satisfy other requirements of the Clean Air Act. Areas that are redesignated to attainment are called maintenance areas.

### 2.1 Federal Regulations

Ambient Air Quality Standards represent the maximum levels of background pollution considered safe, with an adequate margin of safety, to protect the public health and welfare. The federal Clean Air Act (CAA) was enacted in 1970 and amended in 1977 and 1990 [42 United States Code (USC) 7401] for the purposes of protecting and enhancing the quality of the nation's air resources to benefit public health, welfare, and productivity. In 1971, in order

to achieve the purposes of Section 109 of the CAA [42 USC 7409], the U.S. EPA developed primary and secondary national ambient air quality standards (NAAQS).

Six criteria pollutants of primary concern have been designated: ozone (O<sub>3</sub>), carbon monoxide (CO), sulfur dioxide (SO<sub>2</sub>), nitrogen dioxide (NO<sub>2</sub>), lead (Pb), and respirable particulate matter (PM<sub>10</sub> and PM<sub>2.5</sub>). The primary NAAQS “. . . in the judgment of the Administrator, based on such criteria and allowing an adequate margin of safety, are requisite to protect the public health . . .” and the secondary standards “. . . protect the public welfare from any known or anticipated adverse effects associated with the presence of such air pollutant in the ambient air” [42 USC 7409(b)(2)]. The primary NAAQS were established, with a margin of safety, considering long-term exposure for the most sensitive groups in the general population (i.e., children, senior citizens, and people with breathing difficulties). The NAAQS are presented in Table 2 (State of California 2014a).

### **2.1.1 Ozone (O<sub>3</sub>)**

In 1997, the U.S. EPA promulgated a new 8-hour ozone standard of eight parts per hundred million (pphm) to replace the existing 1-hour standard of 12 pphm. On June 15, 2004, that portion of the SDAB containing the CPU areas was designated a “basic” non-attainment area for the 1997 8-hour ozone standard under Subpart 1 of Part D of the CAA. Per the U.S. EPA’s final Phase 1 rule for implementing the 1997 8-hour ozone standard, the 1-hour ozone standard was to be revoked “in full, including the associated designations and classifications, one year following the effective date of the designations for the 8-hour NAAQS [for ozone]” (69 Federal Register [FR] 23951). As such, the 1-hour ozone standard was revoked in the SDAB on June 15, 2005. Requirements for transitioning from the 1-hour to 8-hour ozone standard are described in the final rule.

However, because of subsequent litigation concerning the Phase 1 implementation rule, the provisions of the 1997 8-hour ozone standard Phase 1 implementation rule that placed 8-hour ozone non-attainment areas under Subpart 1, Part D, Title I of the CAA instead of Subpart 2 were vacated. Consequently, on January 16, 2009, it was proposed that the SDAB be classified as “moderate” non-attainment for the 1997 8-hour ozone standard under Subpart 2 (U.S. EPA 2009a). Under Subpart 2, consistent with Section 182 of the CAA, the period of attainment for areas designated as moderate non-attainment will be no more than six years from the effective date of designation (U.S. EPA 2009a). Because the effective date of designation for the 1997 8-hour ozone standard was June 15, 2004, attainment of the 1997 8-hour ozone standard for the SDAB was to occur by June 15, 2010. To date this has not occurred.

On March 12, 2008, the U.S. EPA revised the 8-hour ozone standard to 7.5 pphm. On March 12, 2009, CARB submitted its recommendations for area designations for the revised federal 2008 8-hour ozone standard. The recommendations were based on ozone measurements collected during 2006 through 2008. It was recommended that the SDAB be

**TABLE 2  
AMBIENT AIR QUALITY STANDARDS**

Pollutant	Averaging Time	California Standards <sup>1</sup>		National Standards <sup>2</sup>		
		Concentration <sup>3</sup>	Method <sup>4</sup>	Primary <sup>3,5</sup>	Secondary <sup>3,6</sup>	Method <sup>7</sup>
Ozone	1 Hour	0.09 ppm (180 µg/m <sup>3</sup> )	Ultraviolet Photometry	–	Same as Primary Standard	Ultraviolet Photometry
	8 Hour	0.07 ppm (137 µg/m <sup>3</sup> )		0.075 ppm (147 µg/m <sup>3</sup> )		
Respirable Particulate Matter (PM <sub>10</sub> ) <sup>8</sup>	24 Hour	50 µg/m <sup>3</sup>	Gravimetric or Beta Attenuation	150 µg/m <sup>3</sup>	Same as Primary Standard	Inertial Separation and Gravimetric Analysis
	Annual Arithmetic Mean	20 µg/m <sup>3</sup>		–		
Fine Particulate Matter (PM <sub>2.5</sub> ) <sup>8</sup>	24 Hour	No Separate State Standard		35 µg/m <sup>3</sup>	Same as Primary Standard	Inertial Separation and Gravimetric Analysis
	Annual Arithmetic Mean	12 µg/m <sup>3</sup>	Gravimetric or Beta Attenuation	12 µg/m <sup>3</sup>	15 µg/m <sup>3</sup>	
Carbon Monoxide (CO)	1 Hour	20 ppm (23 mg/m <sup>3</sup> )	Non- dispersive Infrared Photometry	35 ppm (40 mg/m <sup>3</sup> )	–	Non-dispersive Infrared Photometry
	8 Hour	9.0 ppm (10 mg/m <sup>3</sup> )		9 ppm (10 mg/m <sup>3</sup> )	–	
	8 Hour (Lake Tahoe)	6 ppm (7 mg/m <sup>3</sup> )		–	–	
Nitrogen Dioxide (NO <sub>2</sub> ) <sup>9</sup>	1 Hour	0.18 ppm (339 µg/m <sup>3</sup> )	Gas Phase Chemi- luminescence	100 ppb (188 µg/m <sup>3</sup> )	–	Gas Phase Chemi- luminescence
	Annual Arithmetic Mean	0.030 ppm (57 µg/m <sup>3</sup> )		0.053 ppm (100 µg/m <sup>3</sup> )	Same as Primary Standard	
Sulfur Dioxide (SO <sub>2</sub> ) <sup>10</sup>	1 Hour	0.25 ppm (655 µg/m <sup>3</sup> )	Ultraviolet Fluorescence	75 ppb (196 µg/m <sup>3</sup> )	–	Ultraviolet Fluorescence; Spectro photometry (Pararosaniline Method)
	3 Hour	–		–	0.5 ppm (1,300 µg/m <sup>3</sup> )	
	24 Hour	0.04 ppm (105 µg/m <sup>3</sup> )		0.14 ppm (for certain areas) <sup>10</sup>	–	
	Annual Arithmetic Mean	–		0.030 ppm (for certain areas) <sup>10</sup>	–	
Lead <sup>11,12</sup>	30 Day Average	1.5 µg/m <sup>3</sup>	Atomic Absorption	–	–	High Volume Sampler and Atomic Absorption
	Calendar Quarter	–		1.5 µg/m <sup>3</sup> (for certain areas) <sup>12</sup>	Same as Primary Standard	
	Rolling 3-Month Average	–		0.15 µg/m <sup>3</sup>		
Visibility Reducing Particles <sup>13</sup>	8 Hour	See footnote 13	Beta Attenuation and Transmittance through Filter Tape	No National Standards		
Sulfates	24 Hour	25 µg/m <sup>3</sup>	Ion Chroma- tography			
Hydrogen Sulfide	1 Hour	0.03 ppm (42 µg/m <sup>3</sup> )	Ultraviolet Fluorescence			
Vinyl Chloride <sup>11</sup>	24 Hour	0.01 ppm (26 µg/m <sup>3</sup> )	Gas Chroma- tography			

SOURCE: CARB 2013  
See notes on next page.

**TABLE 2**  
**AMBIENT AIR QUALITY STANDARDS**  
**(continued)**

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ppm = parts per million; ppb = parts per billion;  $\mu\text{g}/\text{m}^3$  = micrograms per cubic meter; – = not applicable.

- <sup>1</sup> California standards for ozone, carbon monoxide (except 8-hour Lake Tahoe), sulfur dioxide (1 and 24 hour), nitrogen dioxide, particulate matter ( $\text{PM}_{10}$ ,  $\text{PM}_{2.5}$ , and visibility reducing particles), are values that are not to be exceeded. All others are not to be equaled or exceeded. California ambient air quality standards are listed in the Table of Standards in Section 70200 of Title 17 of the California Code of Regulations.
- <sup>2</sup> National standards (other than ozone, particulate matter, and those based on annual arithmetic mean) are not to be exceeded more than once a year. The ozone standard is attained when the fourth highest 8-hour concentration measured at each site in a year, averaged over three years, is equal to or less than the standard. For  $\text{PM}_{10}$ , the 24-hour standard is attained when the expected number of days per calendar year with a 24-hour average concentration above  $150 \mu\text{g}/\text{m}^3$  is equal to or less than one. For  $\text{PM}_{2.5}$ , the 24-hour standard is attained when 98 percent of the daily concentrations, averaged over three years, are equal to or less than the standard. Contact the U.S. EPA for further clarification and current national policies.
- <sup>3</sup> Concentration expressed first in units in which it was promulgated. Equivalent units given in parentheses are based upon a reference temperature of  $25^\circ\text{C}$  and a reference pressure of 760 torr. Most measurements of air quality are to be corrected to a reference temperature of  $25^\circ\text{C}$  and a reference pressure of 760 torr; ppm in this table refers to ppm by volume, or micromoles of pollutant per mole of gas.
- <sup>4</sup> Any equivalent measurement method which can be shown to the satisfaction of the Air Resources Board to give equivalent results at or near the level of the air quality standard may be used.
- <sup>5</sup> National Primary Standards: The levels of air quality necessary, with an adequate margin of safety to protect the public health.
- <sup>6</sup> National Secondary Standards: The levels of air quality necessary to protect the public welfare from any known or anticipated adverse effects of a pollutant.
- <sup>7</sup> Reference method as described by the U.S. EPA. An "equivalent method" of measurement may be used but must have a "consistent relationship to the reference method" and must be approved by the U.S. EPA.
- <sup>8</sup> On December 14, 2012, the national annual  $\text{PM}_{2.5}$  primary standard was lowered from  $15 \mu\text{g}/\text{m}^3$  to  $12.0 \mu\text{g}/\text{m}^3$ . The existing national 24-hour  $\text{PM}_{2.5}$  standards (primary and secondary) were retained at  $35 \mu\text{g}/\text{m}^3$ , as was the annual secondary standards of  $15 \mu\text{g}/\text{m}^3$ . The existing 24-hour  $\text{PM}_{10}$  standards (primary and secondary) of  $150 \mu\text{g}/\text{m}^3$  also were retained. The form of the annual primary and secondary standards is the annual mean, averaged over 3 years.
- <sup>9</sup> To attain the 1-hour national standard, the 3-year average of the annual 98th percentile of the 1-hour daily maximum concentrations at each site must not exceed 100 ppb. Note that the national standards are in units of parts per billion (ppb). California standards are in units of parts per million (ppm). To directly compare the national standards to the California standards the units can be converted from ppb to ppm. In this case, the national standard of 100 ppb is identical to 0.100 ppm.
- <sup>10</sup> On June 2, 2010, a new 1-hour  $\text{SO}_2$  standard was established and the existing 24-hour and annual primary standards were revoked. To attain the 1-hour national standard, the 3-year average of the annual 99<sup>th</sup> percentile of the 1-hour daily maximum concentrations at each site must not exceed 75 ppb. The 1971  $\text{SO}_2$  national standards (24-hour and annual) remain in effect until one year after an area is designated for the 2010 standard, except that in areas designated nonattainment for the 1971 standards, the 1971 standards remain in effect until implementation plans to attain or maintain the 2010 standards are approved.  
Note that the 1-hour national standard is in units of parts per billion (ppb). California standards are in units of parts per million (ppm). To directly compare the 1-hour national standard to the California standard the units can be converted to ppm. In this case, the national standard of 75 ppb is identical to 0.075 ppm.
- <sup>11</sup> The ARB has identified lead and vinyl chloride as 'toxic air contaminants' with no threshold level of exposure for adverse health effects determined. These actions allow for the implementation of control measures at levels below the ambient concentrations specified for these pollutants.
- <sup>12</sup> The national standard for lead was revised on October 15, 2008 to a rolling 3-month average. The 1978 lead standard ( $1.5 \mu\text{g}/\text{m}^3$  as a quarterly average) remains in effect until one year after an area is designated for the 2008 standard, except that in areas designated nonattainment for the 1978 standard, the 1978 standard remains in effect until implementation plans to attain or maintain the 2008 standard are approved.
- <sup>13</sup> In 1989, the ARB converted both the general statewide 10-mile visibility standard and the Lake Tahoe 30-mile visibility standard to instrumental equivalents, which are "extinction of 0.23 per kilometer" and "extinction of 0.07 per kilometer" for the statewide and Lake Tahoe Air Basin standards, respectively.

classified as non-attainment for the revised standard. The U.S. EPA was required to issue final area designations no later than March 2010. However, there was insufficient information to make these designations and the U.S. EPA extended the deadline to March 2011. California must then submit a SIP outlining how the state will meet the 2008 standards by a date that U.S. EPA will establish in a separate rule. That date will be no later than three years after U.S. EPA's final designations. The deadline for attaining the standard may vary based on the severity of the problem in the area.

Criticism of the standards proposed in March 2008 resulted in the reconsideration of those standards by the U.S. EPA. On January 16, 2010, the U.S. EPA again proposed revision of the 8-hour ozone standards. The U.S. EPA proposed to set the primary standard at a level ranging between 6 and 7 pphm. The U.S. EPA also proposed establishing a distinct cumulative, seasonal "secondary" standard, designed to protect sensitive vegetation and ecosystems, including forests, parks, wildlife refuges and wilderness areas. The U.S. EPA proposed to set the secondary standard at a level within the range of 7 to 15 parts per million-hours (ppm-hours), which is a measurement unit used to express the sum of weighted hourly ozone concentrations, combined over the 12-hour daylight period.

The U.S. EPA was to issue final standards by August 31, 2010, but to date this has not occurred. Rather, on December 8, 2010, the U.S. EPA Administrator asked the Clean Air Scientific Advisory Committee (CASAC) for further interpretation of the epidemiological and clinical studies used to make their recommendation. On January 26, 2011, the U.S. EPA provided "charge questions" to the CASAC regarding the reconsideration of the 2008 ozone standards. The U.S. EPA reviewed the additional input CASAC provided and set the final 8-hour ozone standard to 0.070 parts per million (ppm) in July 2011. On September 2, 2011, the U.S. EPA was directed to withdraw the draft ozone NAAQS. Therefore, the U.S. EPA will continue to implement the standards set during the previous administration while the ongoing five-year review of the updated science continues.

The SDAB has recently attained the 1997 ozone standard and CARB is now in the process of filing a petition to the U.S. EPA to redesignate the region.

### **2.1.2 PM<sub>10</sub> and PM<sub>2.5</sub>**

The SDAB is unclassified for the federal PM<sub>10</sub> standard and classified as an attainment area for the federal PM<sub>2.5</sub> standard (State of California 2014a). On September 21, 2006, the U.S. EPA revised the NAAQS for particulate matter. The 24-hour PM<sub>2.5</sub> standard was strengthened from 65 micrograms per cubic meter ( $\mu\text{g}/\text{m}^3$ ) to 35  $\mu\text{g}/\text{m}^3$ . The existing standard for annual PM<sub>2.5</sub> of 15  $\mu\text{g}/\text{m}^3$  remained the same. The SDAB is classified as an attainment area for the new federal 24-hour PM<sub>2.5</sub> standard (U.S. EPA 2009b).

The U.S. EPA also revised the standard for PM<sub>10</sub>. Due to a lack of evidence linking health problems to long-term exposure to coarse particle pollution, the agency revoked the annual PM<sub>10</sub> standard (effective December 17, 2006), retaining only the existing 24-hour standard.

### **2.1.3 Sulfur Dioxide (SO<sub>2</sub>)**

The SDAB is a federal attainment area for SO<sub>2</sub>. On June 2, 2010, the U.S. EPA established a new 1-hour SO<sub>2</sub> standard, effective August 23, 2010. The revised standards are based on the 3-year average of the annual 99th percentile of 1-hour daily maximum concentrations. The U.S. EPA also revoked both the existing 24-hour SO<sub>2</sub> standard of 0.14 ppm and the annual primary SO<sub>2</sub> standard of 0.030 ppm, effective August 23, 2010. The secondary SO<sub>2</sub> standard was not revised at that time, but is undergoing a separate review by the U.S. EPA. In June 2012, it was recommended that all California counties be designated as in attainment for the new standard. Areas designated as in attainment were required to submit maintenance plans by June 2013.

### **2.1.4 Nitrogen Dioxide (NO<sub>2</sub>)**

All areas of the state, including the SDAB, are either unclassified or in attainment of the federal NO<sub>2</sub> standards. On January 22, 2010, the U.S. EPA strengthened the 1-hour NO<sub>2</sub> standard to 100 parts per billion (ppb) based on the 3-year average of the 98<sup>th</sup> percentile of the annual distribution of daily maximum 1-hour average concentrations. The annual NO<sub>2</sub> standard of 53 ppb remained unchanged. In January 2012, the U.S. EPA determined that no area in the country is violating the 2010 standards. To determine compliance with the standard, the new NO<sub>2</sub> rule also establishes a new ambient air monitoring network and reporting requirements. Once the expanded network of NO<sub>2</sub> monitors is fully deployed and three years of air quality data have been collected, U.S. EPA intends to redesignate areas in 2016 or 2017, as appropriate, based on the air quality data from the new monitoring network.

### **2.1.5 Lead (Pb)**

The SDAB is an attainment area for the federal Pb standard. In 2008, the EPA revised the primary standard for Pb from 1.5 µg/m<sup>3</sup> to 0.15 µg/m<sup>3</sup> over a rolling three-month period, and revised the secondary standard to be identical to the primary standard. The 1978 Pb NAAQS will be retained until one year after designations for the new standards, except in current non-attainment areas. The SDAB is in attainment of the 1978 Pb NAAQS. On November 8, 2011, the U.S. EPA provided designations for the revised lead standards. The SDAB is classified as unclassifiable/in attainment.

### **2.1.6 Carbon Monoxide (CO)**

The CAA requires that the U.S. EPA review the standards every five years. On August 31, 2011, the U.S. EPA finalized review of the CO standards and concluded that the existing standards would be retained (76 FR 54294). All areas of California are either unclassifiable or in attainment (maintenance) for CO standards. The SDAB is a federal maintenance area for CO.



## 2.2 State Regulations

### 2.2.1 Criteria Pollutants

The U.S. EPA allows states the option to develop different (stricter) standards. The state of California has developed the California Ambient Air Quality Standards (CAAQS) and generally has set more stringent limits on the criteria pollutants (see Table 2). In addition to the federal criteria pollutants, the CAAQS also specify standards for visibility-reducing particles, sulfates, hydrogen sulfide, and vinyl chloride (see Table 2). The California CAA, also known as the Sher Bill or California Assembly Bill (AB) 2595, was signed into law on September 30, 1988, and became effective on January 1, 1989. The California CAA requires that districts implement regulations to reduce emissions from mobile sources through the adoption and enforcement of transportation control measures. The California CAA also requires that a district must (South Coast Air Quality Management District [SCAQMD] 2007):

- Demonstrate the overall effectiveness of the air quality program;
- Reduce non-attainment pollutants at a rate of five percent per year, or include all feasible measures and expeditious adoption schedule;
- Ensure no net increase in emissions from new or modified stationary sources;
- Reduce population exposure to severe non-attainment pollutants according to a prescribed schedule;
- Include any other feasible controls that can be implemented, or for which implementation can begin, within 10 years of adoption of the most recent air quality plan; and
- Rank control measures by cost-effectiveness.

The SDAB is a non-attainment area for the state O<sub>3</sub> standards, the state PM<sub>10</sub> standard, and the state PM<sub>2.5</sub> standard.

### 2.2.2 Toxic Air Contaminants

The public's exposure to toxic air contaminants (TACs) is a significant public health issue in California. In 1983, the California Legislature enacted a program to identify the health effects of TACs and to reduce exposure to these contaminants to protect the public health (AB 1807: Health and Safety Code Sections 39650–39674). The Legislature established a two-step process to address the potential health effects from TACs. The first step is the risk assessment (or identification) phase. The second step is the risk management (or control) phase of the process.

The California Air Toxics Program establishes the process for the identification and control of toxic air contaminants and includes provisions to make the public aware of significant

toxic exposures and for reducing risk. Additionally, the Air Toxics "Hot Spots" Information and Assessment Act (AB 2588, 1987, Connelly Bill) was enacted in 1987 and requires stationary sources to report the types and quantities of certain substances routinely released into the air. The goals of the Air Toxics "Hot Spots" Act are to collect emission data, to identify facilities having localized impacts, to ascertain health risks, to notify nearby residents of significant risks, and to reduce those significant risks to acceptable levels. The Children's Environmental Health Protection Act, California Senate Bill (SB) 25 (Chapter 731, Escutia, Statutes of 1999), focuses on children's exposure to air pollutants. The act requires CARB to review its air quality standards from a children's health perspective, evaluate the statewide air monitoring network, and develop any additional air toxic control measures needed to protect children's health. Locally, toxic air pollutants are regulated through the SDAPCD's Regulation XII.

Of particular concern statewide are diesel-exhaust particulate matter (DPM) emissions. DPM was established as a TAC in 1998 and is estimated to represent a majority of the cancer risk from TACs statewide (based on the statewide average). Diesel exhaust is a complex mixture of gases, vapors, and fine particles. This complexity makes the evaluation of health effects of diesel exhaust a complex scientific issue. Some of the chemicals in diesel exhaust, such as benzene and formaldehyde, have been previously identified as TACs by the CARB and are listed as carcinogens either under the state's Proposition 65 or under the federal Hazardous Air Pollutants program. Diesel emissions generated within the CPU areas pose a potential hazard to residents and visitors.

Following the identification of diesel particulate matter as a TAC in 1998, CARB has worked on developing strategies and regulations aimed at reducing the risk from diesel particulate matter. The overall strategy for achieving these reductions is found in the *Risk Reduction Plan to Reduce Particulate Matter Emissions from Diesel-fueled Engines and Vehicles* (State of California 2000). A stated goal of the plan is to reduce the cancer risk statewide arising from exposure to diesel particulate matter 85 percent by 2020.

A number of programs and strategies to reduce diesel particulate matter that have been implemented or are in the process of being developed include (State of California 2015a):

- **The Carl Moyer Memorial Air Quality Standards Attainment Program:** This program, administered by CARB, was initially approved in February 1999 and provides incentive grants to cover an incremental portion of the cost of upgrading to cleaner-than-required engines, equipment, and other sources of pollution providing early or extra emission reductions. Eligible projects include cleaner on-road, off-road, marine, locomotive, and agricultural sources. The program guidelines are revised regularly (most recently in April 2011).
- **On-road Heavy-duty Diesel Engine Reduced Emission Standards:** This rule reduces emission standards for 2007 and subsequent model year heavy-duty diesel engines (66 FR 5002, January 18, 2001).

- **On-road Heavy-duty Diesel Engine In-use Compliance Program:** This program requires in-use compliance testing to ensure that existing vehicles/engines meet applicable emission standards throughout their useful life.

Other programs include:

- **Off-road Mobile Sources Emission Reduction Program:** The goal of this program is to develop regulations to control emissions from diesel, gasoline, and alternative-fueled off-road mobile engines. These sources include a range of equipment, from lawn mowers to construction equipment to locomotives.
- **Heavy-duty Vehicle Inspection Program:** The Heavy-duty Vehicle Inspection and Periodic Smoke Inspection Programs were established to control excessive smoke emissions and tampering from heavy-duty diesel trucks and buses.
  - **Heavy-duty Vehicle Inspection Program:** The Heavy-duty Vehicle Inspection Program was adopted into law in 1988 (Senate Bill [SB] 1997), with the regulations (13 California Code of Regulations [CCR] 2180–2189) governing this program last amended in 2007. The program requires heavy-duty trucks and buses to be inspected for excessive smoke and tampering, and engine certification label compliance. Any heavy-duty vehicle traveling in California, including vehicles registered in other states and foreign countries, may be tested. Tests are performed by CARB inspection teams at border crossings, California Highway Patrol weigh stations, fleet facilities, and randomly selected roadside locations.
  - **Periodic Smoke Inspection Program:** The Periodic Smoke Inspection Program was adopted into law in 1990 (SB 2330), with the regulations (13 CCR 2190–2194) governing this program last amended in 2007. The program requires that diesel and bus fleet owners conduct annual smoke opacity inspections of their vehicles and repair those with excessive smoke emissions to ensure compliance.
- **Lower-emission School Bus Program:** Under this program, and in coordination with the California Energy Commission and local air districts, CARB developed guidelines to provide criteria for the purchase of new school buses and the retrofit of existing school buses to reduce particulate matter emissions. In addition, Proposition 1B, which was approved by the voters on November 7, 2006, enacts the Highway Safety, Traffic Reduction, Air Quality, and Port Security Bond Act of 2006. This bond act authorizes \$200 million for replacing and retrofitting school buses.
- **School Bus Idling Airborne Toxic Control Measure:** Beginning in July 2003, the CARB approved an airborne toxic control measure (ATCM) that limits school bus idling and idling at or near schools. The ATCM to limit idling is intended to reduce

diesel exhaust particulate matter and other TACs and air pollutants from heavy-duty motor vehicle exhaust. The ATCM requires a driver of a school bus or vehicle, transit bus, or other commercial motor vehicle to manually turn off the bus or vehicle engine upon arriving at a school and to restart no more than 30 seconds before departing. A driver of a school bus or vehicle is subject to the same requirement when operating within 100 feet of a school and is prohibited from idling more than five minutes at each stop beyond schools, such as parking or maintenance facilities, school bus stops, or school activity destinations. A driver of a transit bus or other commercial motor vehicle is prohibited from idling more than five minutes at each stop within 100 feet of a school. Idling necessary for health, safety, or operational concerns is exempt from these restrictions.

In April 2005, CARB published *Air Quality and Land Use Handbook: A Community Health Perspective* (State of California 2005). The handbook makes recommendations directed at protecting sensitive land uses from air pollutant emissions while balancing a myriad of other land use issues (e.g., housing, transportation needs, economics, etc.). It notes that the handbook is not regulatory or binding on local agencies and recognizes that application takes a qualitative approach. As reflected in the CARB Handbook, there is currently no adopted standard for the significance of health effects from mobile sources. Therefore, the CARB has provided guidelines for the siting of land uses near heavily traveled roadways. Of pertinence to this study, the CARB guidelines indicate that siting new sensitive land uses within 500 feet of a freeway or urban roads with 100,000 or more vehicles/day should be avoided when possible.

As an ongoing process, CARB will continue to establish new programs and regulations for the control of diesel-particulate and other air-toxic emissions as appropriate. The continued development and implementation of these programs and policies will ensure that the public's exposure to diesel particulate matter will continue to decline.

As discussed below, the SDAPCD implements rules and regulations for the control of TACs through permitting of stationary and portable sources of air pollutants.

Numerous activities have also occurred at the federal level, including:

- In 2006, the U.S. EPA adopted low-sulfur fuel standards that are anticipated to significantly reduce diesel emissions.
- In January 2011, President Obama signed the Diesel Emission Reduction Act (DERA) of 2010 (HR 5809), which reauthorizes DERA for another five years. DERA was originally created in 2005 and provides grants to state, local, and tribal governments for programs to reduce emissions from existing diesel engines. This legislation authorizes \$100 million annually for five years, for a total of \$500 million, although the actual annual amount will depend on each year's funding appropriation. According to U.S. EPA, every \$1 spent on DERA upgrades has resulted in \$13 worth of health and environmental benefits (West Coast Collaborative 2011).

### **2.2.3 Children's Environmental Health Protection Act**

The Children's Environmental Health Protection Act (SB 25, Escutia 1999) established specific requirements to determine if children are adequately protected from the harmful effects of air pollution. The act requires the CARB and the Office of Environmental Health Hazard Assessment to review all health-based California AAQS to determine if public health, particularly the health of infants and children, is adequately protected. It also requires a review of the air monitoring network to determine if it accurately measures the amount of pollutants in the air. Furthermore, the state's list of TACs must be reviewed, and ATCMs must be implemented, in order to reduce exposure to TACs that cause children to be especially susceptible to illness.

## **2.3 State Implementation Plan**

The SIP is a collection of documents that set forth the state's strategies for achieving the NAAQS. In California, the SIP is a compilation of new and previously submitted plans, programs (such as monitoring, modeling, permitting, etc.), district rules, state regulations, and federal controls. The CARB is the lead agency for all purposes related to the SIP under state law. Local air districts and other agencies, such as the Department of Pesticide Regulation and the Bureau of Automotive Repair, prepare SIP elements and submit them to CARB for review and approval. The CARB then forwards SIP revisions to the U.S. EPA for approval and publication in the Federal Register. All of the items included in the California SIP are listed in the Code of Federal Regulations (CFR) at 40 CFR 52.220.

The SDAPCD is responsible for preparing and implementing the portion of the SIP applicable to the SDAB. The SDAPCD adopts rules, regulations, and programs to attain State and federal air quality standards, and appropriates money (including permit fees) to achieve these objectives.

## **2.4 The California Environmental Quality Act**

Section 15125(d) of the California Environmental Quality Act (CEQA) Guidelines requires discussion of any inconsistencies between the proposed project and applicable general plans and regional plans, including the applicable air quality attainment or maintenance plan (or SIP).

## **2.5 Regional Air Quality Strategy**

The SDAPCD prepared the 1991/1992 RAQS in response to the requirements set forth in AB 2595. The draft was adopted, with amendments, on June 30, 1992 (County of San Diego 1992). Attached, as part of the RAQS, are the Transportation Control Measures (TCMs) for the air quality plan prepared by the SANDAG in accordance with AB 2595 and adopted by SANDAG on March 27, 1992, as Resolution Number 92-49 and Addendum. The

required triennial updates of the RAQS and corresponding TCMs were adopted in 1995, 1998, 2001, 2004, and 2009. An update is currently being prepared based on the revised 8-hour ozone standard. The RAQS and TCMs set forth the steps needed to accomplish attainment of the CAAQS.

## **3.0 Environmental Setting**

### **3.1 Geographic Setting**

The CPUs are located in the SDAB between 0.5 miles and 4 miles northeast of the San Diego Bay. This portion of the SDAB is subject to frequent offshore breezes.

### **3.2 Climate**

The CPU areas, like the rest of San Diego County's coastal areas, have a Mediterranean climate characterized by warm, dry summers and mild, wet winters. The mean annual temperature for the project area is 65 degrees Fahrenheit (°F). The average annual precipitation is 10 inches, falling primarily from November to April. Winter low temperatures in the project area average about 49°F, and summer high temperatures average about 74°F based on the measurements taken at the San Diego International Airport (Western Regional Climate Center 2015).

The dominant meteorological feature affecting the region is the Pacific High Pressure Zone, which produces the prevailing westerly to northwesterly winds. These winds tend to blow pollutants away from the coast toward the inland areas. Consequently, air quality near the coast is generally better than that which occurs at the base of the coastal mountain range.

Fluctuations in the strength and pattern of winds from the Pacific High Pressure Zone interacting with the daily local cycle produce periodic temperature inversions that influence the dispersal or containment of air pollutants in the SDAB. Beneath the inversion layer pollutants become "trapped" as their ability to disperse diminishes. The mixing depth is the area under the inversion layer. Generally, the morning inversion layer is lower than the afternoon inversion layer. The greater the change between the morning and afternoon mixing depths, the greater the ability of the atmosphere to disperse pollutants.

Throughout the year, the height of the temperature inversion in the afternoon varies between approximately 1,500 and 2,500 feet above mean sea level (MSL). In winter, the morning inversion layer is about 800 feet above MSL. In summer, the morning inversion layer is about 1,100 feet above MSL. Therefore, air quality generally tends to be better in the winter than in the summer.

The prevailing westerly wind pattern is sometimes interrupted by regional "Santa Ana" conditions. A Santa Ana occurs when a strong high pressure develops over the Nevada–

Utah area and overcomes the prevailing westerly coastal winds, sending strong, steady, hot, dry northeasterly winds over the mountains and out to sea.

Strong Santa Ana winds tend to blow pollutants out over the ocean, producing clear days. However, at the onset or during breakdown of these conditions or if the Santa Ana is weak, local air quality may be adversely affected. In these cases, emissions from the South Coast Air Basin (SCAB) to the north are blown out over the ocean, and low pressure over Baja California draws this pollutant-laden air mass southward. As the high pressure weakens, prevailing northwesterly winds reassert themselves and send this cloud of contamination ashore in the SDAB. When this event does occur, the combination of transported and locally produced contaminants produce the worst air quality measurements recorded in the basin.

### **3.3 Existing Air Quality**

Air quality at a particular location is a function of the kinds, amounts, and dispersal rates of pollutants being emitted into the air locally and throughout the basin. The major factors affecting pollutant dispersion are wind speed and direction, the vertical dispersion of pollutants (which is affected by inversions), and the local topography.

Air quality is commonly expressed as the number of days in which air pollution levels exceed state standards set by the CARB or federal standards set by the U.S. EPA. The SDAPCD maintains 11 air quality monitoring stations located throughout the greater San Diego metropolitan region. Air pollutant concentrations and meteorological information are continuously recorded at these 11 stations. Measurements are then used by scientists to help forecast daily air pollution levels.

The air quality monitoring station nearest the CPU areas is the San Diego-Beardsley Street monitoring station that is located at 1110 Beardsley Street. The San Diego-Beardsley Street monitoring station started taking measurements on July 14, 2005 and monitors the following pollutants: O<sub>3</sub>, CO, NO<sub>2</sub>, and PM<sub>10</sub> and PM<sub>2.5</sub>. The SO<sub>2</sub> monitors were decommissioned in 2012, as this pollutant is less of a concern in the SDAB. Table 3 provides an updated summary of measurements of O<sub>3</sub>, CO, SO<sub>2</sub>, NO<sub>2</sub>, PM<sub>10</sub>, and PM<sub>2.5</sub> collected at the Beardsley Street monitoring station for the years 2010 through 2014.

**TABLE 3**  
**SUMMARY OF AIR QUALITY MEASUREMENTS**  
**RECORDED AT THE SAN DIEGO-1110 BEARDSLEY STREET MONITORING STATION**

Pollutant/Standard	2010	2011	2012	2013	2014
<b>Ozone</b>					
Days State 1-hour Standard Exceeded (0.09 ppm)	0	0	0	0	1
Days Federal 8-hour Standard Exceeded (0.075 ppm)	0	0	0	0	0
Days State 8-hour Standard Exceeded (0.07 ppm)	0	0	0	0	2
Max. 1-hr (ppm)	0.078	0.082	0.071	0.063	0.093
Max. 8-hr (ppm)	0.066	0.061	0.065	0.053	0.072
<b>Carbon Monoxide</b>					
Days Federal 8-hour Standard Exceeded (35 ppm)	0	0	0	0	0
Days State 8-hour Standard Exceeded (20 ppm)	0	0	0	0	0
Max. 1-hr (ppm)	2.8	2.8	2.6	3.0	2.7
Max. 8-hr (ppm)	NA	NA	NA	NA	NA
<b>Nitrogen Dioxide</b>					
Days Federal 1-hour Standard Exceeded (0.10 ppm)	0	0	0	0	0
Days State 1-hour Standard Exceeded (0.18 ppm)	0	0	0	0	0
Max 1-hr (ppm)	0.077	0.067	0.065	0.072	0.075
Annual Average (ppm)	0.015	0.014	0.013	0.014	0.026
<b>Sulfur Dioxide<sup>a</sup></b>					
Days State 24-hour Standard Exceeded (0.04 ppm)	0	0	NA	NA	NA
Max 24-hr (ppm)	0.002	0.003	NA	NA	NA
Annual Average (ppm)	0.000	NA <sup>b</sup>	NA	NA	NA
<b>PM<sub>10</sub></b>					
Days State 24-hour Standard Exceeded (50 µg/m <sup>3</sup> ) <sup>b</sup>	0	0	0	6	4
Days Federal 24-hour Standard Exceeded (150 µg/m <sup>3</sup> )	0	0	0	0	NA
Max. Daily—Federal (µg/m <sup>3</sup> )	40.0	48.0	45	90	NA
Max. Daily—State (µg/m <sup>3</sup> )	40.0	49.0	47	92	59.0
Federal Annual Average (µg/m <sup>3</sup> )	22.8	23.3	21.8	24.9	NA
State Annual Average (µg/m <sup>3</sup> )	23.4	24.0	22.2	25.4	NA
<b>PM<sub>2.5</sub></b>					
Days Federal 24-hour Standard Exceeded (35 µg/m <sup>3</sup> ) <sup>b</sup>	0	0	1	1.1	1
Max. Daily—Federal (µg/m <sup>3</sup> )	29.7	34.7	39.8	37.4	37.2
Max. Daily—State (µg/m <sup>3</sup> )	31.0	35.5	39.8	37.4	37.2
Federal Annual Average (µg/m <sup>3</sup> )	10.4	10.8	11.0	10.3	NA
State Annual Average (µg/m <sup>3</sup> )	NA	10.9	NA	10.4	NA

SOURCE: State of California 2015b

NA = Not available.

<sup>a</sup> The SO<sub>2</sub> monitor was decommissioned on June 30, 2011.

<sup>b</sup> Calculated days. Calculated days are the estimated number of days that a measurement would have been greater than the level of the standard had measurements been collected every day. Particulate measurements are collected every six days. The number of days above the standard is not necessarily the number of violations of the standard for the year.



### **3.4 Regional Background Toxic Air Pollutants**

The SDAPCD samples for TACs at the El Cajon and Chula Vista monitoring stations. Excluding diesel particulate emissions, data from these stations indicate that the background cancer risk in 2008 due to air toxics was 135 in one million in Chula Vista and 150 in one million in El Cajon. There is no current methodology for directly measuring diesel particulate concentrations. Based on CARB estimates, diesel particulate emissions could add an additional 420 in one million to the ambient cancer risk levels in San Diego County (County of San Diego 2010).

Thus the combined background ambient cancer risk due to air toxics in the urbanized areas of San Diego County could potentially range from around 555 to 570 in one million. As such, the air toxic of primary concern on a regional basis is diesel particulate matter.

## **4.0 Thresholds of Significance**

### **4.1 CEQA Guidelines**

Thresholds used to evaluate potential impacts to air quality are based on applicable criteria in the CEQA Guidelines Appendix G and the City of San Diego Significance Determination Thresholds. A CPU would have a significant air quality impact if it would (City of San Diego 2011):

1. Conflict or obstruct the implementation of the applicable air quality plan;
2. Result in a violation of any air quality standard or contributes substantially to an existing or projected air quality violation;
3. Expose sensitive receptors to substantial pollutant concentrations, including toxins;
4. Result in a substantial alteration of air movement in the area of the project; or
5. Create objectionable odors affecting a substantial number of people.

### **4.2 San Diego Air Pollution Control District**

Vehicle emissions are regulated at the federal and state levels. Air quality management districts and air pollution control districts do not set vehicle emission standards. The SDAPCD is responsible for preparing and implementing the portion of the SIP applicable to the SDAB. The SIP contains the state's strategies for achieving the NAAQS. The SDAPCD also prepared the RAQS in response to requirements set forth in the California CAA (AB 2595).

The SDAPCD has also established a set of rules and regulations initially adopted on January 1, 1969, and periodically reviewed and updated. These rules and regulations are

available for review on the agency's website (SDAPCD 2014). The rules and regulations define requirements regarding stationary sources of air pollutants and fugitive dust.

The SDAPCD does not provide specific numerics for determining the significance of mobile source-related impacts, or for evaluating CEQA projects or projects that do not require an APCD permit to operate (e.g., non-stationary sources). However, it does specify Air Quality Impact Analysis trigger levels for new or modified stationary sources (SDAPCD Rules 20.2 and 20.3). The APCD does not consider these trigger levels to represent adverse air quality impacts, rather, if these trigger levels are exceeded by a project, the SDAPCD requires an air quality analysis to determine if a significant air quality impact would occur. While, these trigger levels do not generally apply to mobile sources or general land development projects, for comparative purposes these levels are used to evaluate the increased emissions that would be discharged to the SDAB if the CPU were approved.

The SDAPCD trigger levels are also utilized by the City of San Diego in their Significance Determination Thresholds (City of San Diego 2011) as one of the considerations when determining the potential significance of air quality impacts for projects within the city. SDAPCD Rules 20.2 and 20.3 do not specify trigger levels for ROG or PM<sub>2.5</sub> (SDAPCD 2014). The threshold for ROG used by the City is based on levels per the SCAQMD and Monterey Bay APCD which have similar federal and state attainment status as San Diego (City of San Diego 2011). The terms ROG and volatile organic compound (VOC) are essentially synonymous and are used interchangeably in this analysis. The threshold for PM<sub>2.5</sub> was developed from the SCAQMD Final Methodology to Calculate PM<sub>2.5</sub> and PM<sub>2.5</sub> Significance Thresholds and the SDAPCD's PM<sub>10</sub> limit (SCAQMD 2006).

The air quality impact screening levels used in this analysis are shown in Table 4.

**TABLE 4  
AIR QUALITY IMPACT SCREENING LEVELS**

Pollutant	Emission Rate		
	Pounds/Hour	Pounds/Day	Tons/Year
NO <sub>x</sub>	25	250	40
SO <sub>x</sub>	25	250	40
CO	100	550	100
PM <sub>10</sub>	--	100	15
Lead	--	3.2	0.6
VOC, ROG	--	137 <sup>1</sup>	15
PM <sub>2.5</sub>	--	100 <sup>2</sup>	--

SOURCE: SDAPCD, Rule 20.2 (12/17/1998); City of San Diego 2011.

<sup>1</sup>VOC threshold based on levels per SCAQMD and Monterey Bay Air Pollution Control District, which have similar federal and state attainment status as San Diego.

<sup>2</sup>PM<sub>2.5</sub> threshold developed from the SCAQMD *Final Methodology to Calculate PM<sub>2.5</sub> and PM<sub>2.5</sub> Significance Thresholds* (SCAQMD 2006) and the PM<sub>10</sub> standard of the SDAPCD.

## 4.3 Evaluation of Air Toxic Emissions

The SDAPCD does not specify thresholds for evaluating CEQA projects or for projects that do not require an APCD permit to operate (e.g., non-stationary sources). In general, for permitted projects the SDAPCD does not identify a significant impact if the potential health risks from the proposed project would not exceed the health risk public notification thresholds specified by SDAPCD Rule 1210. The public notification thresholds are:

- i. Maximum incremental cancer risks equal to or greater than 10 in one million, or
- ii. Cancer burden equal to or greater than 1.0, or
- iii. Total acute non-cancer health hazard index equal to or greater than 1.0, or
- iv. Total chronic non-cancer health hazard index equal to or greater than 1.0.

Therefore, for the purposes of evaluating the potential health risks associated with the air toxics addressed in this assessment, a significant impact would occur if the worst-case incremental cancer risk is greater than or equal to 10 in one million, or if the worst-case total acute or chronic health hazard index is greater than or equal to one.

## 5.0 Assessment Methodology

### 5.1 Consistency with Regional Air Quality Plans

Section 15125(B) of the CEQA Guidelines contains specific reference to the need to evaluate any inconsistencies between the proposed project and the applicable air quality management plan, i.e., the RAQS. Included in the RAQS are TCMs. The RAQS and TCM set forth the steps needed to accomplish attainment of state and federal AAQS. The primary concern for assessing impacts on the RAQS is whether a project is consistent with the growth assumptions used to develop the plan.

The SDAPCD relies, to a certain degree, on land use designations contained in local general plan documents and SANDAG regional transportation plans to prepare air quality plans. SDAPCD refers to approved general plans to forecast, inventory, and allocate regional emissions from land use and development-related sources. These emissions budgets are used in statewide air quality attainment planning efforts. As such, projects that propose development that is equal to or less than population growth projections and land use intensity are inherently consistent. Projects that propose development that is greater than anticipated in the growth projections warrant further analysis to determine consistency with RAQS and the SIP.

To determine consistency with the air emission assumptions of the RAQS, a similar process was followed where the air emissions associated with planned land uses under the Adopted Community Plans were compared to the air emissions associated with the land uses under the proposed CPUs. If the emissions of the proposed CPU were less than those under the Adopted Community Plan, the CPUs would be considered consistent with the RAQS, which is the long-range air quality plan for the region.

## **5.2 Air Quality Standards**

### **5.2.1 Construction Emissions**

Construction-related activities are temporary, short-term sources of air emissions. Sources of construction-related air emissions include:

- Fugitive dust from grading activities;
- Construction equipment exhaust;
- Construction-related trips by workers, delivery trucks, and material-hauling trucks; and
- Construction-related power consumption.

Air pollutants generated by the construction of projects within the CPU areas would vary depending upon the number of projects occurring simultaneously and the size of each individual project. The exact number and timing of all development projects that could occur under the CPUs are unknown. However, since the area is heavily developed, it can be assumed that these areas would experience relatively small projects in terms of land area, most of which would involve the demolition of existing structures and improvements.

To illustrate the range of potential construction-related air quality impacts from projects that could occur, three hypothetical projects were evaluated. The size and scope of these hypothetical projects was selected to reflect typical projects in heavily developed areas such as the Uptown, North Park, and Golden Hill CPU areas. Hypothetical projects include a 1.8-acre multi-family residential project, a 25,000-square-foot commercial project, and a 65,000-square-foot light industrial project. The 1.8-acre multi-family development is assumed to consist of the demolition of an existing 5,000-square-foot structure and the construction of a 29-unit multi-family structure. The commercial development is assumed to consist of the demolition of an existing 5,000-square-foot structure and the construction of 25,000 square feet of commercial use. The light industrial development is assumed to consist of the demolition of an existing 5,000-square-foot structure and the construction of 65,000 square feet of industrial use.

Air emissions were calculated using CalEEMod 2013.2.2 (CalEEMod) (CAPCOA 2013). The CalEEMod program is a tool used to estimate air emissions resulting from land development projects based on California specific emission factors. The model estimates mass emissions from two basic sources: construction sources and operational sources (i.e., area and mobile sources). CalEEMod can estimate the required construction equipment when project specific information is unavailable. The estimates are based on surveys performed by the SCAQMD and the Sacramento Metropolitan Air Quality Management District (SMAQMD) of typical construction projects which provide a basis for scaling equipment needs and schedule with a project's size. Air emission estimates in CalEEMod are based on the duration of construction phases; construction equipment type, quantity, and usage; grading area; season; and ambient temperature, among other parameters.

As the proposed CPUs do not specifically identify any project, CalEEMod estimates were used where to develop the construction scenarios. Where applicable, inputs were modified to reflect local ordinances and recent regulations. This analysis assumes that standard dust and emission control during grading operations would be implemented to reduce potential nuisance impacts and to ensure compliance with SDAPCD Rule 55.0, Fugitive Dust Control. An architectural coating VOC limit of 150 grams per liter was used for all interior and exterior coatings to reflect the requirements of SDAPCD, Rule 67. Detailed modeling output files from CalEEMod are included in Attachment 1.

## **5.2.2 Operational Emissions**

Operation emissions are long-term and include mobile and area sources. Sources of operational emissions associated with future projects developed under the proposed CPUs include:

- Traffic generated by the project; and,
- Area source emissions from the use of natural gas, fireplaces, and consumer products.

Air pollutants generated by all land uses within the CPU areas were modeled based on average emissions from land use types. For the purposes of this analysis, it was assumed that the land use changes contained in the CPU would be fully constructed in 2035. Actual emissions would vary depending on future projects and regulations within the CPU.

### **5.2.2.1 Operation Modeling Assumptions**

As with construction emissions, operation estimates were generated using CalEEMod. CalEEMod estimates vehicle emissions from the trip generation rate and trip length associated with each land use. Vehicle emissions are estimated by first calculating trip rate, trip length, trip purpose, and trip type percentages (e.g., home to work, home to shop, home to other) for each land use type.

CalEEMod estimates the emissions that would occur from the use of hearths (fireplaces), woodstoves, and landscaping equipment. Emissions due to use of consumer products and architectural coatings that have ROG content are also estimated. The use of hearths and woodstoves directly emits air pollutants from the combustion of natural gas, wood, or biomass. CalEEMod estimates emissions from hearths and woodstoves only for residential uses based on the type and size features of the residential land use inputs. By default, commercial land uses do not have any hearths or woodstoves in CalEEMod; hearths and woodstoves can be added for those cases where they may occur such as in restaurants or hotels if such information is known.

Electricity consumption was modeled with reductions incorporated to account for the 2013 Title 24, Parts 6 and 11 requirements.

### **a. Land Use**

Air emissions were calculated for the existing and projected growth in land uses under the proposed CPUs in the year 2035 using CalEEMod. Table 1 summarizes the existing and future land uses under the Adopted Community Plans and each of the proposed CPUs. As indicated, the Uptown CPU would result in the future development potential of 32,680 residential dwelling units and 7,476,000 square feet of development, which is an increase of 9,520 residential dwelling units and 247,000 square feet of development over what currently exists. The North Park CPU would result in the future development potential of 36,570 residential dwelling units and 3,195,000 square feet of development, which is an increase of 11,545 residential dwelling units over what currently exists and a decrease of 295,640 square feet of development under what currently exists. The Golden Hill CPU would result in the future development potential of 9,215 residential dwelling units and 607,000 square feet of development, which is an increase of 1,955 residential dwelling units over what currently exists and a decrease of 40,940 square feet of development under what currently exists.

### **b. Mobile Sources**

For air quality modeling purposes and to ensure consistency in evaluations, trip generation rates are based on the Institute of Transportation Engineers Trip Generation 8th Edition trip rates for each respective land use category, and trip lengths are based on the trip purpose and statewide averages.

The vehicle emission factors and fleet mix included in CalEEMod are derived from CARB's 2011 Emission Factor Model (EMFAC; State of California 2011). Vehicle emission factors include the effects from the implementation of some of the nation's toughest vehicle emissions standards as well as fuel formulation regulations.

## **c. Area Sources**

CalEEMod estimates the emissions that would occur from the use of hearths, woodstoves, and landscaping equipment. This module also estimates emissions due to use of consumer products and architectural coatings that have VOC content. The use of hearths (fireplaces) and woodstoves directly emits air pollutants from the combustion of natural gas, wood, or biomass. CalEEMod estimates emissions from hearths and woodstoves only for residential uses based on the type and size features of the residential land use inputs. By default, commercial land uses do not have any hearths or woodstoves in CalEEMod but can be added for those cases where they may occur such as in restaurants or hotels if such information is known. For this analysis, it was assumed that residential uses would be constructed with natural gas fireplaces.

The use of landscape equipment also generates air pollutants associated with the equipment's fuel combustion. CalEEMod estimates the number and types of equipment needed based on the number of summer days given the project's location as entered in the project characteristics module. All emissions estimates include landscaping equipment.

## **5.3 Sensitive Receptors**

### **5.3.1 Localized Carbon Monoxide Impacts**

Localized CO concentration is a direct function of motor vehicle activity at signalized intersections (e.g., idling time and traffic flow conditions), particularly during peak commute hours and meteorological conditions. Under specific meteorological conditions (e.g., stable conditions that result in poor dispersion), CO concentrations may reach unhealthy levels with respect to local sensitive land uses. Guidance for the evaluation of CO hot spots is provided in the *Transportation Project-level Carbon Monoxide Protocol* (CO protocol) (University of California, Davis 1997) prepared for the Environmental Program of the California Department of Transportation by the Institute of Transportation Studies, University of California Davis.

The SDAB is a CO maintenance area under the federal CAA. This means that SDAB was previously a non-attainment area and is currently implementing a 10-year plan for continuing to meet and maintain air quality standards. According to the CO Protocol, in maintenance areas, only projects that are likely to worsen air quality necessitate further analysis. The CO Protocol indicates projects may worsen air quality if they worsen traffic flow, defined as increasing average delay at signalized intersections operating at level of service (LOS) E or F or causing an intersection that would operate at LOS D or better without the project, to operate at LOS E or F. Unsignalized intersections are not evaluated as they are typically signalized as volumes increase and delays increase, and traffic volumes at unsignalized intersections are typically much lower than at signalized intersections (Urban Systems Associates 2015).

Based on the traffic study and traffic memo for the CPUs (Kimley-Horn 2015, 2016), the following 21 intersections are anticipated to operate at LOS E or worse under buildout of the CPUs:

### **Uptown**

- Washington Street & Fourth Avenue – signalized
- Washington Street & Eighth Avenue/State Route 163 off-ramp – signalized
- Washington Street/Normal Street & Campus Avenue/Polk Avenue – signalized
- University Avenue & Sixth Avenue – signalized
- Elm Street & Sixth Avenue – signalized
- Cedar Street & Second Avenue – unsignalized

### **North Park**

- Madison Avenue & Texas Street – signalized
- El Cajon Boulevard & Texas Street – signalized
- El Cajon Boulevard & 30th Street – signalized
- El Cajon Boulevard & I-805 southbound ramps – signalized
- University Avenue & 30th Street – signalized
- University Avenue & Boundary Street – signalized
- University Avenue & I-805 northbound ramps – signalized
- North Park Way/I-805 southbound ramps & Boundary Street/33rd Street – unsignalized
- Upas Street & 30th Street (W) – unsignalized

### **Golden Hill**

- B Street & 17th Street/I-5 Southbound off-ramp – unsignalized
- SR-94 Westbound Ramps & Broadway – unsignalized
- SR-94 Westbound Ramps & 28th Street – unsignalized
- SR-94 Eastbound Ramps & 28th Street – unsignalized
- F Street & 25th Street – unsignalized
- G Street & 25th Street – unsignalized

As discussed, unsignalized intersections are typically not evaluated because they are typically signalized when volumes and delays increase. Nine of the above intersections are unsignalized and were not considered in this analysis. According to the protocol, the three worst signalized intersections would require detailed modeling with CALINE4 in order to determine if the CO emissions exceed the thresholds. If one of the intersections fail, then the next worse intersection would be modeled until it is determined that all remaining intersections would not exceed the national or California AAQS. The three worst intersections in each CPU area were chosen based on traffic volumes, delay, and intersection configuration. No signalized intersection within Golden Hill would operate at LOS E or F, thus none of the intersections with the Golden Hill planning area were modeled.



Based on a review of these intersections, the following six intersections are included in the detailed modeling:

### **Uptown**

- Washington Street & Eighth Avenue/ State Route 163 off-ramp – LOS E/F AM/PM peak hours
- Washington Street/Normal Street & Campus Avenue/Polk Avenue – LOS E AM/PM peak hours
- Elm Street & Sixth Avenue – LOS F/E AM/PM peak hours

### **North Park**

- Madison Avenue & Texas Street – LOS F/E AM/PM peak hours
- El Cajon Boulevard & I-805 Southbound Ramps – LOS F PM peak hour
- University Avenue & I-805 Northbound Ramps – LOS E/F AM/PM peak hour

The detailed modeling is based on the 2035 peak hour (AM and PM) traffic volumes and 2035 emission factors from EMFAC2014 for 5 miles per hour (mph) for traffic approaching an intersection and 10 mph for traffic departing the intersection. The 1-hour background concentration of CO for the area, 2.7 ppm, was included in the model. This ambient concentration is considered conservative, as it was the highest recorded hourly concentration over the past five years at the Beardsley Air Quality Monitoring Station. This concentration was assumed for all intersections. The average regional temperature of 64 °F was included in the model as reported by the Western Regional Climate Center data for San Diego International Airport. For a worst-case meteorological setting, the wind angle assumes all wind is blowing at each receptor. The mixing height of pollutants was set at 1,000 feet with a stable atmosphere.

## **5.3.2 Health Risk Analysis**

### **5.3.2.1 Evaluation of Air Toxic Emissions**

DPM has been identified as an air toxic of concern. Vehicles (primarily heavy-duty trucks) emit diesel particulates through the combustion of diesel fuel. An assessment of the potential health risks associated with the anticipated diesel particulate emissions was performed for receivers in the CPU areas. Due to traffic volumes, the analysis focuses on emissions from vehicle traffic on freeways (Interstate 5 [I-5], Interstate 805 [I-805], Interstate 15 [I-15], and State Route 94 [SR-94]). There are four basic steps to analyzing impacts: hazard identification, dose-response assessment, exposure assessment, and characterization of the risk.

A significant impact may occur if the potential health risk from the proposed CPUs exceeds the health risk public notification thresholds specified by SDAPCD Rule 1210. The public notification thresholds are:

- i. Maximum incremental cancer risks equal to or greater than 10 in one million, or
- ii. Cancer burden equal to or greater than 1.0, or
- iii. Total acute non-cancer health hazard index equal to or greater than 1.0, or
- iv. Total chronic non-cancer health hazard index equal to or greater than 1.0.

Therefore, for the purposes of evaluating the potential health risks associated with the air toxics addressed in this assessment, a significant impact would occur if the worst-case incremental cancer risk was greater than or equal to 10 in one million or if the worst-case total acute or chronic health hazard index was greater than or equal to one. This analysis assesses direct impacts to receivers within the CPU areas resulting from DPM emissions from vehicular traffic.

### **5.3.2.2 Diesel Emission Impacts**

#### **a. OEHHA Methodology**

The exposure and risk assessment methodology used in this analysis follows the Office of Environmental Health Hazard Assessment (OEHHA) Risk Assessment Guidelines (State of California 2003a), with supplemental guidance from the SDAPCD (County of San Diego 2006) and the SMAQMD (SMAQMD 2011).

Carcinogenic health risk is determined by calculating the lifetime average daily dose based on several exposure assumptions, some of which are:

- Residency time at the receiver point
- Daily respiration rate
- Average body weight
- Pollutant concentration for each medium (air, water, soil, etc.)
- Ingestion rate of contaminated soil (oral exposure only)
- Ingestion rate of contaminated water (oral exposure only)
- Ingestion rate of contaminated food products (oral exposure only)

The dose calculations use the conservative exposure assumptions as recommended by OEHHA. Once the exposure dose has been determined, the carcinogenic health risk is calculated by applying the compound's potency risk factor (PF). Total risk at a receiver is then determined by summing the pathway risks for each compound and then totaling the individual compound risks.

Potential non-carcinogenic health effects are evaluated by dividing each compound's modeled concentrations at each receiver by the reference exposure level (REL) to calculate an individual substance "hazard quotient." Overall, potential non-carcinogenic health effects

at each receiver, for each toxicological endpoint, are then determined by taking the sum of the individual hazard quotients of each compound that impacts an endpoint to calculate the total endpoint hazard index.

The pollutant toxicity/carcinogenicity data used in this assessment are shown in Table 5. As indicated previously, air exposure is the only pathway considered in this analysis. For both carcinogenic and non-carcinogenic effects, the projected risks are reported for the point of maximum impact (PMI), the maximally exposed individual resident (MEIR), and the maximally exposed individual worker (MEIW).

**TABLE 5  
DIESEL PARTICULATE MATTER RISK DATA**

Substance	Acute Inhalation ( $\mu\text{g}/\text{m}^3$ )	8-hour Inhalation ( $\mu\text{g}/\text{m}^3$ )	Chronic Inhalation ( $\mu\text{g}/\text{m}^3$ )	Chronic Oral (mg/kg-d)	Inhalation Unit Risk ( $\mu\text{g}/\text{m}^3$ ) <sup>-1</sup>	Inhalation Cancer Potency Factor (mg/kg-d) <sup>-1</sup>	Oral Slope Factor (mg/kg-d) <sup>-1</sup>
Diesel Particulate	--	--	5.0E + 00	--	3.0E - 04	1.1E + 00	--

Generally, health risk assessments evaluate the potential effects on the surrounding community due to operation of the facility under consideration. The PMI is defined as the receiver point(s) with the highest acute, chronic, or cancer health impacts outside of the facility boundary (defined as the property line). The MEIR is defined as the existing off-site residence(s) (e.g., house or apartment) with the highest acute, chronic, or cancer health impacts. The MEIW is defined as the highest acute, chronic, or cancer health impacts at an existing workplace off-site.

This assessment is not an evaluation of the potential effects associated with placing a polluting facility near sensitive uses. Rather, it is an evaluation of the potential effects associated with placing sensitive land uses in the vicinity of existing sources of air pollution. In the case of the proposed CPUs, this source of air pollution is vehicle traffic on freeways. Therefore, this assessment discloses the maximum potential health risks (residential and worker) within the CPU areas due to these existing external sources. As the purpose of CEQA is to protect the environment from impacts due to a project, the health risks evaluated here are primarily to inform the planning process and policies of the CPU. In addition, acute health effects have not been associated with diesel particulate emissions. Therefore, this assessment only considers carcinogenic and chronic non-carcinogenic effects.

**b. Carcinogenic Risk**

Carcinogenic risk characterization estimates the probability that cancer will occur in an individual in a potentially exposed population. For the inhalation pathway, the exposure point inhalation dose ( $D_{\text{OSE-INH}}$ ) of a toxic substance (in milligrams of dose per kilogram of

body weight each day [mg/kg BW-day]) is multiplied by the cancer PF for that substance (in [mg/kg BW-day]<sup>-1</sup>) to estimate the individual excess (incremental) cancer risk.

$$\text{individual excess cancer risk} = D_{\text{OSE-INH}} \text{ (mg/kg BW - day)} \times \text{PF (mg/kg BW - day)}^{-1}$$

The inhalation dose was calculated following the OEHHA guidance using the following equation (State of California 2003a):

$$D_{\text{OSD-INH}} = \frac{C_{\text{AIR}} * \{DBR\} * A * EF * ED * 10^{-6}}{AT}$$

where:

$D_{\text{OSD-INH}}$  = Dose through inhalation (mg/kg BW-day)

$10^{-6}$  = Micrograms to milligrams conversion, Liters to cubic meters conversion

$C_{\text{AIR}}$  = Concentration in air ( $\mu\text{g}/\text{m}^3$ )

{DBR} = Daily breathing rate  $\left( \frac{L}{\text{kg body weight} - \text{day}} \right)$

A = Inhalation absorption factor

EF = Exposure frequency (days/year)

ED = Exposure duration (years)

AT = Averaging time period over which exposure is averaged, in days (e.g., 25,550 for 70-year cancer risk)

The average annual concentration of diesel particulates at each modeled receiver was calculated using air dispersion models as discussed in the following sections. The recommended defaults were used for the other parameters as shown below (State of California 2003a):

EF = 350 days/year

ED = 70 years

AT = 25,550

A = 1

With the values for the daily breathing rate as shown in Table 6 (State of California 2003a, 2003b, 2008).

**TABLE 6  
POINT ESTIMATES FOR DAILY BREATHING RATE  
FOR 9-, 30-, AND 70-YEAR EXPOSURE DURATIONS  
(L per kg body weight [BW] per day)**

9-Year Exposure Duration		30 & 70-Year Exposure Duration			Off-site Worker <sup>1</sup>
Average	High End	Average (65 <sup>th</sup> percentile)	80 <sup>th</sup> Percentile	High End (95 <sup>th</sup> percentile)	(Single Value)
452	581	271	302	393	149

<sup>1</sup>This value corresponds to a 70 kg worker breathing 1.3 m<sup>3</sup>/hour for an 8-hour day. 1.3 m<sup>3</sup>/hr is the breathing rate recommended by EPA (U.S. EPA 1997; State of California 2003b) as an hourly average for outdoor workers.

Nine- and 30-year exposure durations are representative of typical residency periods for adults. Additionally, the parameters used for 9-year exposure scenarios are for the first 9 years of life and are thus protective of children. However, to be consistent with OEHHA Risk Assessment Guidelines this assessment is based on the 70-year lifetime exposure duration. Further, while the breathing rates of children are greater than that of adults as indicated by the 9-year exposure duration DBR values in Table 6, the 70-year lifetime exposure risk represents the greatest risk overall. As such, this assessment evaluates adverse impacts based on the 70-year cancer risk. As seen in Table 6, there are three values given for the 70-year exposure daily breathing rate. These values are the mean (65<sup>th</sup> percentile), 80<sup>th</sup> percentile, and high-end (95<sup>th</sup> percentile) breathing rates used to estimate the range of risk. The Health Risk Assessment guidance recommends that the risk for all three breathing rates be identified in the assessment (State of California 2003a, 2003b). The range of incremental cancer risks is discussed in this assessment.

The 70-year lifetime exposure is used to evaluate potential risks to residential areas. However, potential risks to commercial and on-site (i.e., within the emitting facility grounds) areas are more accurately reflected by worker exposure. In general, it is assumed that workers that are affected by facility emissions would be exposed 8 hours per day, 5 days per week, 49 weeks per year, for 40 years (State of California 2003a; County of San Diego 2006). As indicated in Table 7, a worker is assumed to breathe 149 liters per kilogram (L/kg) BW-day for an 8-hour workday. With these exposure adjustments, the adjustment factors shown in Table 7 were applied to the 70-year residential inhalation excess cancer risk estimates to obtain the worker inhalation incremental cancer risk estimate.

**TABLE 7  
ADJUSTMENT FACTORS TO CONVERT INHALATION-BASED CANCER RISK ESTIMATES  
FOR A RESIDENTIAL RECEIVER TO A WORKER RECEIVER**

Worker Receiver Type (Hrs/Days/Weeks/Years)	Facility Operating Schedule (Hrs/Days/Weeks/Years)	Adjustment Factor	
		(High End)*	(Average)*
8/5/49/40	Continuous (24/7/52/70)	0.1516	0.2199
8/5/49/40	Standard (8/5/52/70)	0.6366	0.9234

\*High End adjustment factors convert the residential receiver risk based on the high-end breathing rate point-estimate to a worker receiver risk. Average adjustment factors convert the residential receiver risk based on the average breathing rate point-estimate to a worker receiver risk.

(Note: there is no equivalent worker reduction for evaluating chronic risk). The surrounding sources were treated as continuous operations.

Using the information above, the factors shown in Table 8 were developed that were then multiplied by the modeled average annual diesel particulate matter concentrations in order to calculate the risk at each receiver in incremental cancers per million.

**TABLE 8  
INCREMENTAL CANCER RISK DIESEL PARTICULATE MATTER  
CONCENTRATION MULTIPLICATION FACTORS  
( $\mu\text{g}/\text{m}^3$ )**

30- & 70-Year Exposure Duration			Off-site Worker
Average (65 <sup>th</sup> percentile)	80 <sup>th</sup> Percentile	High End (95 <sup>th</sup> percentile)	(Single Value)
285.85	318.55	414.53	62.86

At each modeled receiver, the total lifetime incremental cancer risk is calculated by summing the cancer risks from all substances analyzed (in this case only diesel particulates). The incremental cancer risk is the likelihood (above the background cancer rate in the general population) that an individual will develop cancer during his or her lifetime as a result of exposure to a substance. The incremental cancer risk is expressed as a probability. For example, a risk of 10 in 1,000,000 ( $1 \times 10^6$ ) means that, within an exposed population subject to the assumptions presented in the exposure assessment section, 10 additional individuals in one million would be expected to develop cancer during his or her lifetime. In other words, an individual would have an increased risk of 1 in 100,000 of getting cancer in their lifetime.

### c. Chronic Non-carcinogenic Health Effects

Chronic (long-term) non-carcinogenic risk characterization is performed by comparing the estimated annual air concentration of the substance ( $C_{ANN}$ ) with an REL. For each substance, the average annual concentration is divided by the REL to determine a chronic hazard quotient.

$$\text{chronichazardquotient} = \frac{C_{ANN}(\mu\text{g}/\text{m}^3)}{\text{REL}(\mu\text{g}/\text{m}^3)}$$

The hazard index, which provides a measure of total potential chronic non-carcinogenic health effects, is calculated for each receiver by summing the hazard quotients for all individual substances that impact the same toxicological endpoint. Again, for this study only inhalation of diesel particulate matter is considered. According to general risk policy, when an individual hazard quotient is less than or equal to one, the chronic REL has not been exceeded and no adverse chronic non-carcinogenic health effects are expected from that substance. Similarly, if the hazard index is greater than one, chronic non-carcinogenic effects resulting from exposure to the substances emitted may be possible.

#### 5.3.2.3 Dispersion Modeling

Version 14134 of the U.S. EPA-approved American Meteorological Society/U.S. EPA Regulatory Model (AERMOD) was used for the air dispersion modeling (U.S. EPA 2009c, 2014). AERMOD is the successor to the U.S. EPA's Industrial Source Complex (ISC) model for use in regulatory modeling applications per the EPA's *Guideline on Air Quality Models* (Guideline), published as Appendix W to Title 40 of the *Code of Federal Regulations*, Part 51 (40 CFR 51 Appendix W).

The AERMOD model allows modeling of point, area, and volume sources. It utilizes detailed meteorology and includes various regulatory options including stack-tip downwash, a routine for processing averages when calm winds or missing meteorological data occur, consideration of building downwash, and elevated terrain. The following provides discussion of specific inputs to the AERMOD model.

##### a. Meteorological Data

The AERMOD model uses a file of surface boundary layer parameters (surface data) and a file of atmospheric profile variables including wind speed, wind direction, and turbulence parameters (upper air data). Upper air data are generally collected at fewer stations than surface data as upper air data are less influenced by local surface features. The Guideline (40 CFR 51 Appendix W § 8.3.1.2) specifies that generally five sequential years of data should be used in the risk assessment.

The National Weather Service (NWS) station nearest the project site that collects upper air data is at the Miramar Marine Corps Air Station (Miramar MCAS). It was determined that the NWS station nearest the project site for which good quality surface data were available is the Lindbergh Field station (Hammer pers. com. 2011). Processed data, suitable for use in AERMOD, for the years 2008 through 2013 (the most recent years with consistent data available) were obtained for the Miramar MCAS and Lindbergh Field stations from Trinity Consultants, Inc. The processed surface data obtained from Lakes Environmental were developed using 1-minute Automated Surface Observing System (ASOS) wind data and version 14134 of the AERMOD Meteorological Preprocessor (AERMET) program (U.S. EPA 2009c, 2014).

## **b. Urban/Rural Dispersion Coefficients**

The AERMOD model has the ability to incorporate the effects of increased surface heating from urban areas on pollutant dispersion under stable atmospheric conditions. The decision whether to use urban or rural dispersion coefficients is determined using the U.S. EPA's Guideline.

Per the Guideline (40 CFR 51 Appendix W § 7.2.3):

- b. The selection of either rural or urban dispersion coefficients in a specific application should follow one of the procedures suggested by Irwin (1978) and briefly described in paragraphs (c)–(f) of this subsection. These include a land use classification procedure or a population based procedure to determine whether the character of an area is primarily urban or rural.
- c. Land Use Procedure: (1) Classify the land use within the total area,  $A_0$ , circumscribed by a 3 km radius circle about the source using the meteorological land use typing scheme proposed by Auer (1978); (2) if land use types I1, I2, C1, R2, and R3 account for 50 percent or more of  $A_0$ , use urban dispersion coefficients; otherwise, use appropriate rural dispersion coefficients.
- d. Population Density Procedure: (1) Compute the average population density,  $\bar{p}$  per square kilometer with  $A_0$  as defined above; (2) If  $\bar{p}$  is greater than 750 people/km<sup>2</sup>, use urban dispersion coefficients; otherwise use appropriate rural dispersion coefficients.
- e. Of the two methods, the land use procedure is considered more definitive. Population density should be used with caution and should not be applied to highly industrialized areas where the population density may be low and thus a rural classification would be indicated, but the area is sufficiently built-up so that the urban land use criteria would be



satisfied. In this case, the classification should already be “urban” and urban dispersion parameters should be used.

- f. Sources located in an area defined as urban should be modeled using urban dispersion parameters. Sources located in areas defined as rural should be modeled using the rural dispersion parameters. For analyses of whole urban complexes, the entire area should be modeled as an urban region if most of the sources are located in areas classified as urban.

Population data by census block for the area were obtained from SanGIS (2010 [the most recent detailed census block data available at the time of this analysis]). As the project is large CPU areas with several types of land uses, rather than a single facility, the CPU area was considered an adequate sample area for determining the dispersion coefficient. Figures 6a through 6c show the census blocks that are within the Uptown, North Park, and Golden Hill CPU boundaries, respectively. Population data for partial census blocks are not available. Therefore, in Figures 6a through 6c, census blocks are distinguished between those entirely contained within the CPU and those that are partially contained within the CPU. Using just those census blocks that are entirely within each CPU results in a calculated population density of approximately 3,591 people/km<sup>2</sup> for the Uptown community, 5,286 people/km<sup>2</sup> for the North Park community, and 5,693 people/km<sup>2</sup> for the Golden Hill community. As all of these estimates exceed 750 people/km<sup>2</sup>, the use of an urban dispersion coefficient is appropriate.

### **c. Source Configuration**

Given the relatively large size and complexity of the study, the roadways were represented by adjacent volume sources as described in the AERMOD and ISC User’s Guides (U.S. EPA 2009c). The length of the sides of each volume source was set equal to the combined width of the roadway lines plus three meters, as discussed previously. This results in a width of approximately 50 meters for freeway segments

When modeling volume sources, AERMOD does not calculate the initial plume rise due to momentum and buoyancy effects. Therefore, the initial release height for the moving exhaust plume was adjusted to account for the initial momentum and buoyancy plume rise (U.S. EPA 2009c). The plume release height was taken to be three times the initial height of the exhaust stack, 4.3 meters, above the ground, or approximately 12.8 meters.

This modeling assesses air quality concentrations at various land uses near I-5, I-8, I-15, I-805, SR-163, and SR-94 (refer to Figures 5a–5c). Potential incremental cancer risks and chronic health hazard indices are modeled from exposure to diesel particulates produced by vehicles on the freeways.

The calculation involves generation of diesel particulate composite emission factors for the vehicle fleet on the freeways using the EMFAC2014 program (State of California 2014b). Diesel particulate emissions were assumed to be equal to the PM<sub>10</sub> exhaust emissions from diesel powered vehicles. Emission factors were calculated for annual average conditions of 64°F and 70 percent humidity. Other default parameters provided by the model for the SDAB were used in the calculation of individual emission factors for each type of vehicle in the fleet.

According to EMFAC2014 output data, diesel-emitting vehicles will comprise 3.97 percent of the total vehicle fleet in SDAB in 2035, and be responsible for 6.66 percent of all vehicle miles travelled. Using the projected aggregate vehicle emission factors in 2035, a diesel particulate matter emission rate was then generated.

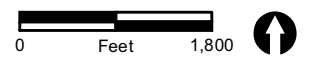
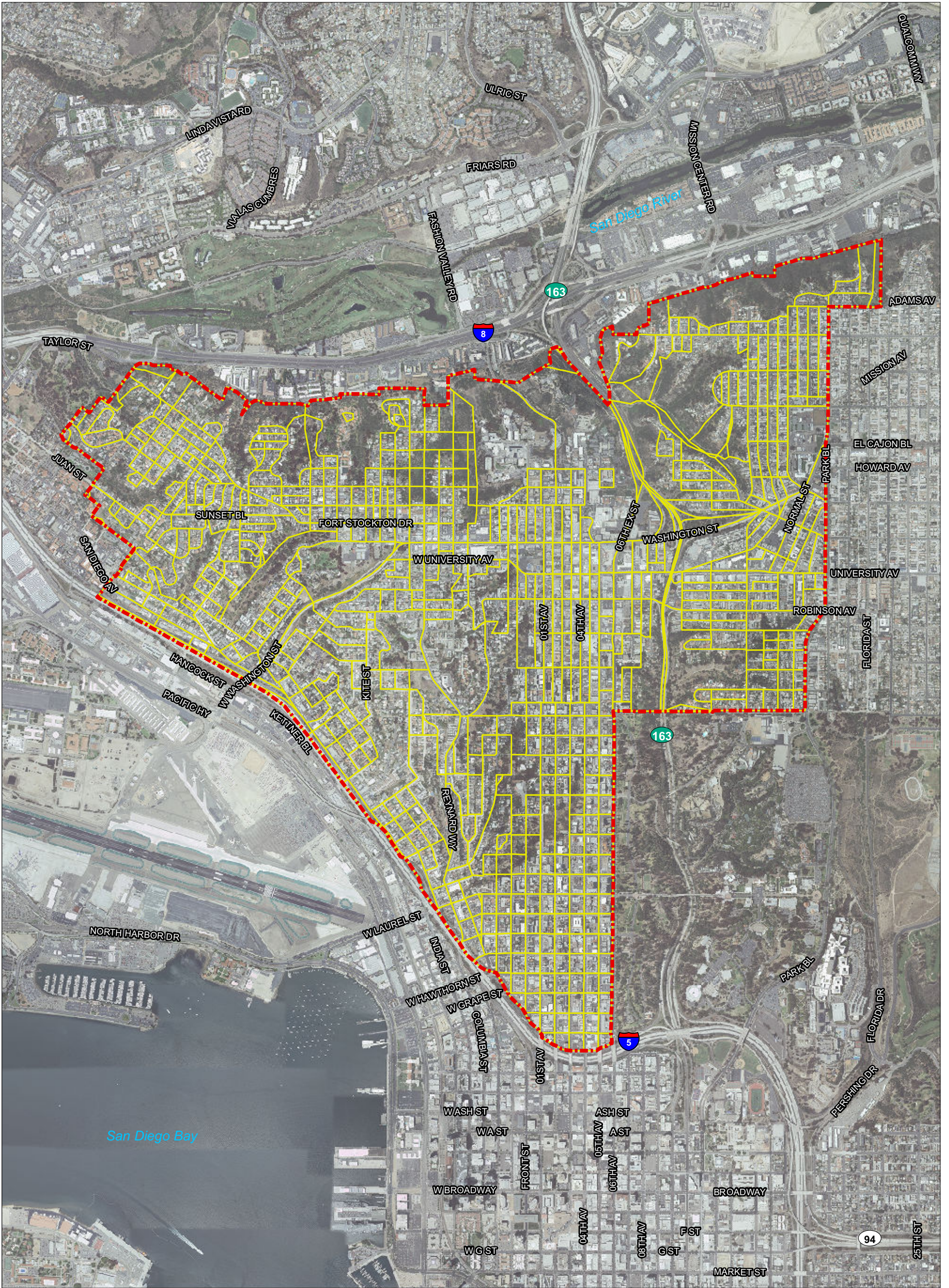
The average traffic speed for heavy diesel powered trucks on I-5, I-8, I-15, I-805, SR-163, and SR-94 was assumed to be 55 miles per hour (mph). The resulting composite emission factor from all diesel vehicles was calculated as 0.003077 grams per second. This emission factor was weighted to create an emissions factor per second for each freeway segment based on the percentage of truck traffic to the total average daily traffic (ADT) in each segment. The EMFAC2014 output is contained in Attachment 2



The emission factors were then applied to each freeway segment and the resulting emissions were modeled using the AERMOD dispersion model (State of California 1989). The AERMOD model results in predicted concentrations of diesel particulates at modeled locations throughout the community. It is a line source dispersion model that does not specifically address topographic variability or intervening structures (e.g., flat site topography was assumed).

Future traffic volumes were obtained from SANDAG's Series 12 Regional Transportation Forecast Information Center (SANDAG 2015). The buildout freeway traffic volume is shown in Table 9.

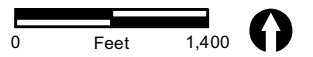
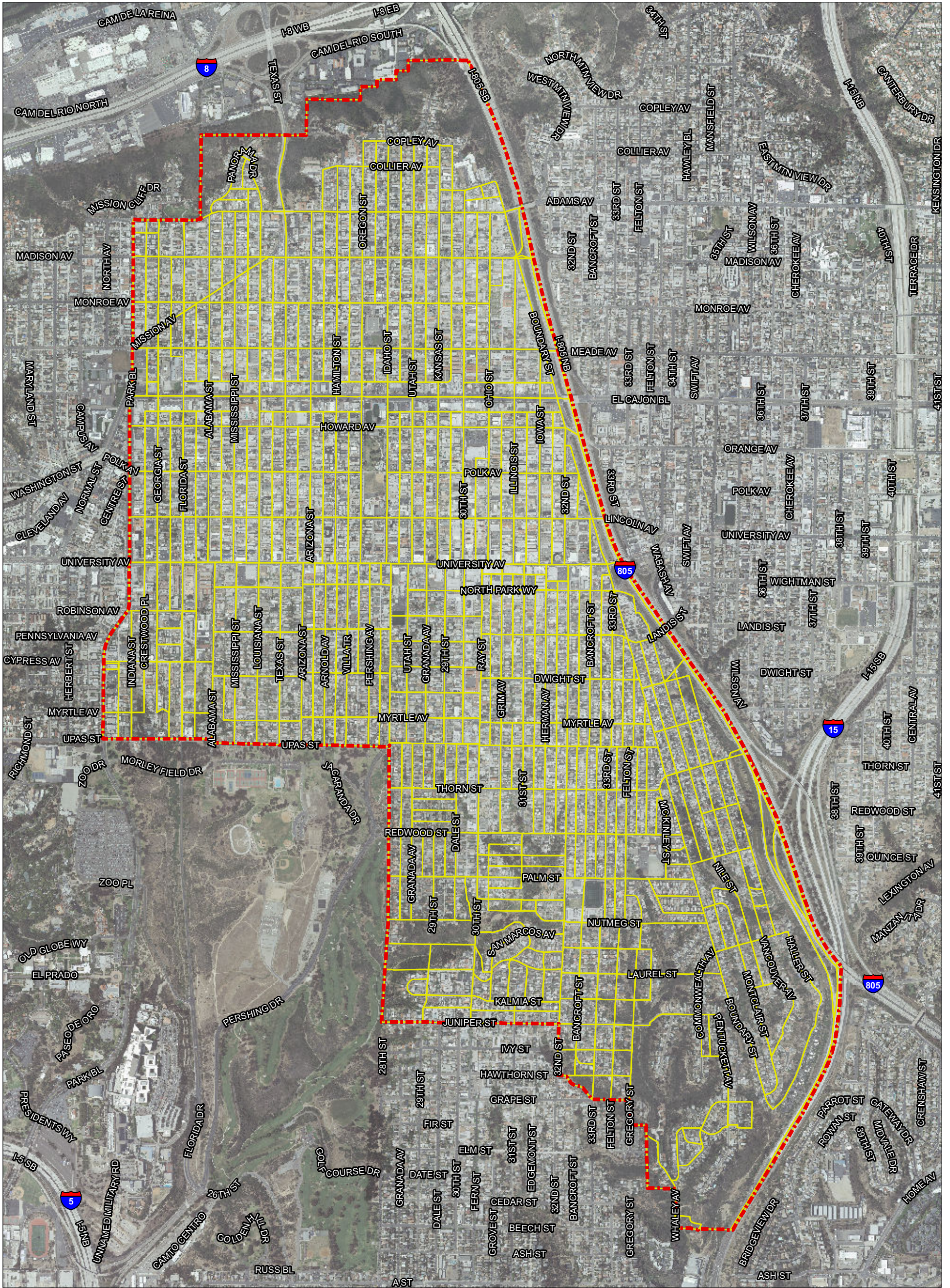
#### **d. Receivers**

Pollutant concentrations were modeled at a series of grid receivers throughout each of the CPU areas. The receiver grid has 100-meter spacing and extends across the CPU boundaries. For this assessment, flat site topography was assumed. Thus the non-default "FLAT" option was specified in AERMOD. Receivers were assumed to be at a height of 5 feet. Attachment 3 includes the AERMOD input and output files for the proposed CPUs.



-  Uptown Community Plan Boundary
-  Census Blocks

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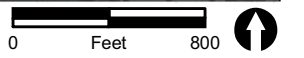
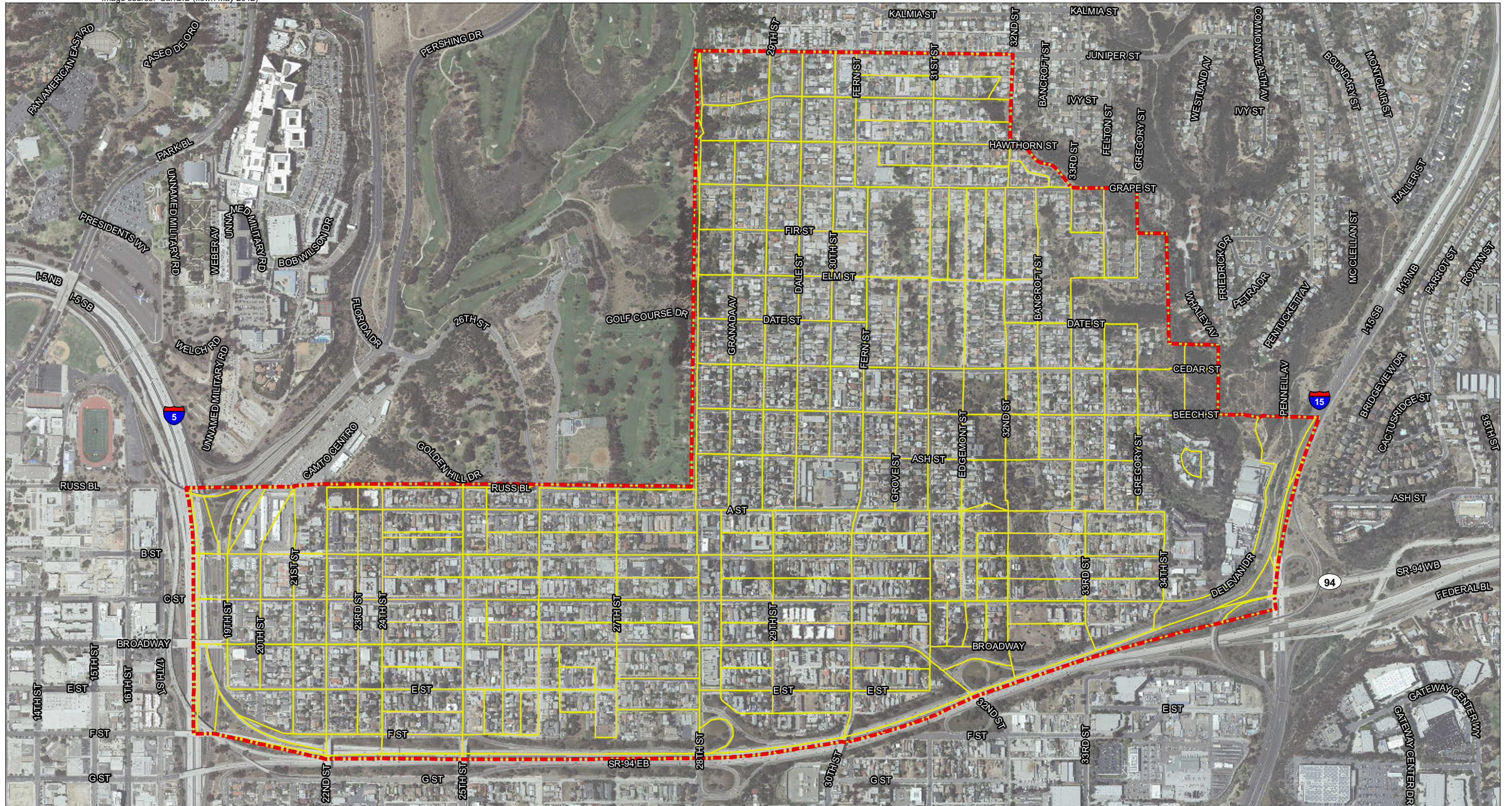
-  North Park Community Plan Boundary
-  Census Blocks

FIGURE 6b

North Park Census Blocks

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 Golden Hill Community Plan Boundary  
 Census Blocks

FIGURE 6c

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**TABLE 9  
MODELED TRAFFIC VOLUMES**

Freeway	Segment Begin	Segment End	2035 ADT
I-5	Old Town Avenue	Washington Street	280,500
	Washington Street	Sassafras Street	211,500
	Sassafras Street	Pacific Highway	217,500
	Pacific Highway	India Street	279,000
	India Street	Hawthorn Street	288,000
	Hawthorn Street	First Avenue	241,500
	First Avenue	Sixth Avenue	306,000
	Sixth Avenue	SR-163	306,000
	SR-163	Pershing Drive	318,000
	Pershing Drive	SR-94	318,000
	SR-94	Imperial Avenue	247,500
I-8	Hotel Circle (W)	Hotel Circle (E)	231,000
	Hotel Circle (E)	SR-163	224,500
	SR-163	Mission Center Road	226,500
	Mission Center Road	Qualcomm Way	274,200
	Qualcomm Way	I-805	231,100
I-15	I-805	I-15	265,300
	I-805	SR-94	141,100
I-805	I-8	Adams Avenue	329,800
	Adams Avenue	El Cajon Boulevard	299,200
	El Cajon Boulevard	University Avenue	292,400
	University Avenue	I-15	282,200
SR-94	25th Street	28th Street	219,000
	28th Street	30th Street	245,800
	30th Street	I-15	253,600
SR-163	I-8	Sixth Avenue	203,300
	Sixth Avenue	Washington Street	163,400
	Washington Street	Robinson Avenue	110,400
	Robinson Avenue	Richmond Street	118,300
	Richmond Street	Quince Street	120,300
	Quince Street	I-5	124,300

## **6.0 Air Quality Assessment**

### **6.1 Uptown**

#### **6.1.1 Consistency with Regional Air Quality Plans**

As described above, the California Clean Air Act requires air basins that are designated nonattainment of state AAQS for criteria pollutants prepare and implement plans to attain the standards by the earliest practicable date. The two pollutants addressed in the San Diego RAQS are VOC and oxides of nitrogen (NO<sub>x</sub>), which are precursors to the formation of ozone. Projected increases in motor vehicle usage, population, and industrial growth create challenges in controlling emissions to maintain and further improve air quality. The RAQS, in conjunction with the TCM, were most recently adopted in 2009 as the air quality plan for the SDAB.

The basis for the RAQS is the distribution of population in the region as projected by SANDAG. The SDAPCD refers to approved general plans to forecast, inventory, and allocate regional emissions from land use and development-related sources. These emissions budgets are used in statewide air quality attainment planning efforts. As such, projects that propose development that is equal to or less than population growth projections and land use intensity are inherently consistent. Amending the Adopted Community Plans to change development potential would not necessarily result in an inconsistency between the current air quality plans (that are based on the Adopted Community Plan) and the CPUs. Since the focus of the RAQS is on emissions from the sources, not the actual land use, projects that propose development that is greater than anticipated in the growth projections warrant further analysis to determine consistency with RAQS and the SIP. The consistency with the RAQS is further evaluated by comparing emissions that would occur under buildout of the Adopted Community Plan to the emissions that would occur under buildout of the proposed CPUs.

The Uptown CPU would change the planned land use mix as follows:

- Decrease the projected number of residential units by approximately 6 percent;
- Decrease the amount of land designated for commercial development by less than 1 percent, and
- Increase the amount of land designated for institutional development by 7 percent.

As calculated in Section 6.1.2, future operational emissions under the proposed Uptown CPU would be less than future operational emissions under the Adopted Community Plan. Thus, because the land use changes associated with the Uptown CPU would not result in an effective increase in emissions, the Uptown CPU would be consistent with assumptions contained in the RAQS, and impacts would be less than significant.

## 6.1.2 Air Quality Standards

Air quality impacts can result from the construction and operation of a project. Construction impacts are short-term and result from fugitive dust, equipment exhaust, and indirect effects associated with construction workers and deliveries. Operational impacts can occur on two levels: regional impacts resulting from development or local effects stemming from sensitive receivers being placed close to roadways or stationary sources. In the case of the Uptown CPU, operational impacts are primarily due to emissions from mobile sources associated with the vehicular travel along the roadways.

### 6.1.2.1 Construction

As discussed in Section 5.1, to illustrate the range of potential construction-related air quality impacts from projects that could occur, three hypothetical projects were evaluated: a 1.8-acre multi-family residential project, a 25,000-square-foot commercial project, and a 65,000-square-foot light industrial project. The size and scope of these hypothetical projects was selected to reflect typical projects in heavily developed areas such as the Uptown area. A summary of the modeling results is shown in Table 10.

**TABLE 10**  
**SAMPLE DAILY CONSTRUCTION EMISSIONS**  
**(pounds/day)**

Pollutant	Residential Project	Commercial Project	Industrial Project	Project-level Threshold
ROG	55	70	91	137
NO <sub>x</sub>	29	14	29	250
CO	22	10	22	550
SO <sub>2</sub>	0	0	0	250
PM <sub>10</sub>	4	1	4	100
PM <sub>2.5</sub>	3	1	3	100

NOTE: Due to rounding, the total PM emissions indicated in the CalEEMod output files do not equal the sum of the individual source emissions.

Note that the emissions summarized in Table 10 are the maximum emissions for each pollutant and that they may occur during different phases of construction. They would not necessarily occur simultaneously. These are, therefore, the worst-case emissions. For assessing the significance of the air quality emissions resulting during construction of the hypothetical projects, the construction emissions were compared to the thresholds shown in Table 10. As seen, the hypothetical individual projects would not result in air emissions that would exceed the applicable thresholds. However, if several of these projects were to occur simultaneously, there is the potential to exceed significance thresholds.

The projects discussed above are illustrative only. Approval of the Uptown CPU would not specifically permit the construction of an individual project, and no specific development details are available at this program level. The thresholds presented above are applied on a

project-by-project basis and are not used for assessment of regional planning impacts. The information is presented to illustrate the potential scope of air impacts for projects that could be reviewed under the Uptown CPU. Additionally, the regulations at the federal, state, and local level provide a framework for developing project-level air quality protection measures for future discretionary projects. The City's process for the evaluation of discretionary projects also includes environmental review and documentation pursuant to CEQA as well as an analysis of those projects for consistency with the goals, policies and recommendations of the General Plan. Thus, implementation of the policies in the Uptown CPU and General Plan would preclude or reduce construction related air quality impacts to a level less than significant.

Ministerial projects would not require environmental review. Generally, ministerial permits require a public official to determine only that the project conforms to applicable zoning and building code requirements and that applicable fees have been paid. These projects are generally smaller in size than those requiring discretionary review, and would be smaller than the hypothetical projects evaluated in this analysis. As such, construction related air quality impacts associated with these projects would be less than significant for ministerial projects.

### **6.1.2.2 Operation**

Pollutant emissions from buildout of all land uses within the Uptown CPU area would far exceed project-level City of San Diego Significance Determination Thresholds. However, project-level standards are not appropriate for a program-level analysis, as the thresholds are conservative and intended to ensure many individual projects would not obstruct the timely attainment of the national and state ambient air quality standards. Generally, discretionary, program-level planning activities, such as general plans, community plans, specific plans, etc., are evaluated for consistency with the local air quality plan. In contrast, project-level thresholds are applied to individual project-specific approvals, such as a proposed development project. Therefore, the analysis of the Uptown CPU is based on the future emissions estimates and related to attainment strategies derived from the Adopted Community Plan. At the program level, the analysis looks at the emissions of the Uptown CPU in relation to the Adopted Community Plan to determine if the emissions would exceed the emissions estimates included in the RAQS to determine whether it would obstruct attainment or result in an exceedance of AAQS that would result in the temporary or permanent exposure of persons to unhealthy concentrations of pollutants. As such, this analysis evaluates the potential for future development within the Uptown CPU area to result in, or contribute to, a violation of any air quality standard based on the change in pollutant emissions that would result from buildout of the Adopted Community Plan in the year 2035 to the proposed Uptown CPU in the year 2035. Table 11 summarizes the estimated maximum emissions for the Uptown CPU by source.

As shown in Table 11, operational emissions associated with the Uptown CPU would be lower for all pollutants when compared to the Adopted Community Plan.

Further, while program-level air emissions would exceed the City’s project-level thresholds, the Uptown CPU would emit fewer pollutants than would occur under the Adopted Community Plan. Therefore, the air emissions from buildout of the Uptown CPU would not increase air pollutants in the region, would not further increase the frequency of existing violations of federal or State AAQS, or result in new exceedances. Air quality impacts associated with the adoption of the Uptown CPU would result in less than significant impacts.

**TABLE 11  
TOTAL OPERATIONAL EMISSIONS FOR THE UPTOWN CPU AREA**

Condition	Source	Pollutant (pounds per day)					
		ROG	NO <sub>x</sub>	CO	SO <sub>2</sub>	PM <sub>10</sub>	PM <sub>2.5</sub>
Adopted Community Plan	Area	1,513	33	2,849	0	58	57
	Energy	15	130	62	1	10	10
	Mobile	1,031	1,614	9,478	34	2,445	678
	Total	2,560	1,777	12,389	35	2,513	746
CPU	Area	1,452	31	2,691	0	54	54
	Energy	15	126	61	1	10	10
	Mobile	1,019	1,589	9,341	34	2,402	666
	Total	2,485	1,745	12,092	35	2,466	730
<i>Change</i>		-75	-32	-296	-1	-47	-16

## 6.1.3 Sensitive Receptors

### 6.1.3.1 Localized Carbon Monoxide Hot Spot Impacts

The traffic study and traffic memo concluded that six intersections in the Uptown CPU area would operate at LOS E or worse. Based on the CO Protocol, the three worst signalized intersections in the Uptown CPU area were selected for a detailed CO hot spot analysis. These intersections are listed in Table 12. CALINE4, a computer air emission dispersion model, was used to calculate CO concentrations at receivers located at each intersection. These concentrations were derived from inputs including traffic volumes from the CPU traffic analysis and emission factors from EMFAC2014 (State of California 2014b). The results of the modeling for these three intersections in the Uptown CPU area are summarized in Table 12.

**TABLE 12**  
**MAXIMUM BUILDOUT CO CONCENTRATIONS IN THE UPTOWN CPU AREA**

Roadway	1-Hour CO ppm	1-Hour CO Standard CAAQS/ NAAQS	8-Hour CO ppm <sup>1</sup>	8-Hour CO Standard CAAQS/ NAAQS
Washington St & Eighth Ave/SR-163 Off-Ramp	4.5	9.0/9	3.2	20/35
Washington St/Normal St & Campus Ave/Polk Ave	3.8		2.7	
Elm St & Sixth Ave.	5.1		3.6	

<sup>1</sup> 8-hour concentrations developed based on a 0.7 persistence factor.

As shown, the maximum 1-hour concentration would be 5.1 ppm. This concentration is below the federal and state 1-hour standards. In order to determine the 8-hour concentration, the 1-hour value was multiplied by a persistence factor of 0.7, as recommended in the CO Protocol. Based on this calculation, the maximum 8-hour concentration would be 3.6 ppm. Thus, increases of CO due to the Uptown CPU would be below the federal and state 8-hour standards. Therefore, there would be no harmful concentrations of CO within the Uptown CPU area, and localized air quality emissions would be less than significant.

### 6.1.3.2 Toxic Air Emissions

#### a. Stationary Sources

The Uptown CPU includes land uses which may generate air pollutants affecting adjacent sensitive land uses. In air quality terms, individual land uses that emit air pollutants in sufficient quantities are known as stationary sources. The primary concern with stationary sources is local, however, they also contribute to air pollution in the SDAB. Stationary sources include gasoline stations, power plants, dry cleaners, and other commercial and industrial uses. Stationary sources are regulated by the local air pollution control or management district through the issuance of permits; in this case, the agency is the SDAPCD.

The California Air Toxics Program establishes the process for the identification and control of toxic air contaminants and includes provisions to make the public aware of significant toxic exposures and for reducing risk. Additionally, AB 2588 was enacted in 1987 and requires stationary sources to report the types and quantities of certain substances routinely released into the air. The goals of the Air Toxics "Hot Spots" Act are to collect emission data, to identify facilities having localized impacts, to ascertain health risks, to notify nearby residents of significant risks, and to reduce those significant risks to acceptable levels.

In accordance with AB 2588, any new facility proposed that would have the potential to emit toxic air contaminants would be required to assess air toxic problems that would result from their facility's emissions (SDAPCD 2010). If air emissions from a specific facility include

toxic substances or exceed identified limits, the facility is required by the SDAPCD to provide information regarding emission inventories and health risk assessments. If adverse health impacts exceeding public notification levels are identified, the facility would provide public notice, and if the facility poses a potentially significant public health risk, the facility must submit a risk reduction audit and plan to demonstrate how the facility would reduce health risks. Thus, with this regulatory framework, at the program level, impacts associated with stationary sources in the Uptown CPU area would be less than significant.

## **b. Mobile Sources**

Unlike stationary sources, local agencies, such as the SDAPCD, do not regulate roadways as emission sources. While the CARB regulates vehicle emissions and fuel formulations, the source of the majority of DPM is regulated nationwide by the EPA. As discussed in the methodology in Section 5.3, to determine the exposure of sensitive receptors to DPM within the CPU areas, a single AERMOD run was created for all freeway sources in all CPU areas. The results provide the total average annual DPM concentrations at each modeled grid receiver. The resulting total average annual DPM concentrations were then used to calculate the incremental cancer risk and chronic health hazard index at each receiver as described in Section 4.3. Attachment 3 contains the AERMOD input and output data sheets and the results are discussed below.

### ***i. Carcinogenic Risk***

There is no adopted standard for evaluating the DPM emission impacts due to vehicles traveling on local roadway and freeways. Therefore, the significance threshold of 10 in one million was used in evaluating the potential impacts from the vehicular sources.

As discussed in Section 5.3.2, in general for health risk assessments it is recommended that the residential incremental cancer risk be reported for the average (65<sup>th</sup> percentile), 80<sup>th</sup> percentile, and high-end (95<sup>th</sup> percentile) breathing rates. Isopleths of the residential incremental cancer risk for the 80<sup>th</sup> percentile under the Uptown CPU are shown in Figure 7a .

The results of the assessment indicate that the worst-case high end (95<sup>th</sup> percentile) residential incremental increase in cancer risk due to DPM emissions associated with increased traffic on local freeways in the Uptown CPU area is 0.08 in one million and occurs in the southwestern portion of the CPU area west of I-5 near the intersection of Grape Avenue and Front Street. The location of the Uptown MEIR and MEIW locations are shown in Figure 7a. The maximum concentrations higher than the MEIR and MEIW locations occur within the I-5 right-of-way. This high-end residential incremental cancer risk is less than the significance threshold of 10 in one million. Exposure associated with the 65<sup>th</sup> percentile, 80<sup>th</sup> percentile, and worker incremental cancer risks at this location would be less than the 95<sup>th</sup> percentile value. Therefore, incremental increase in cancer risks to sensitive receivers would be less than significant.

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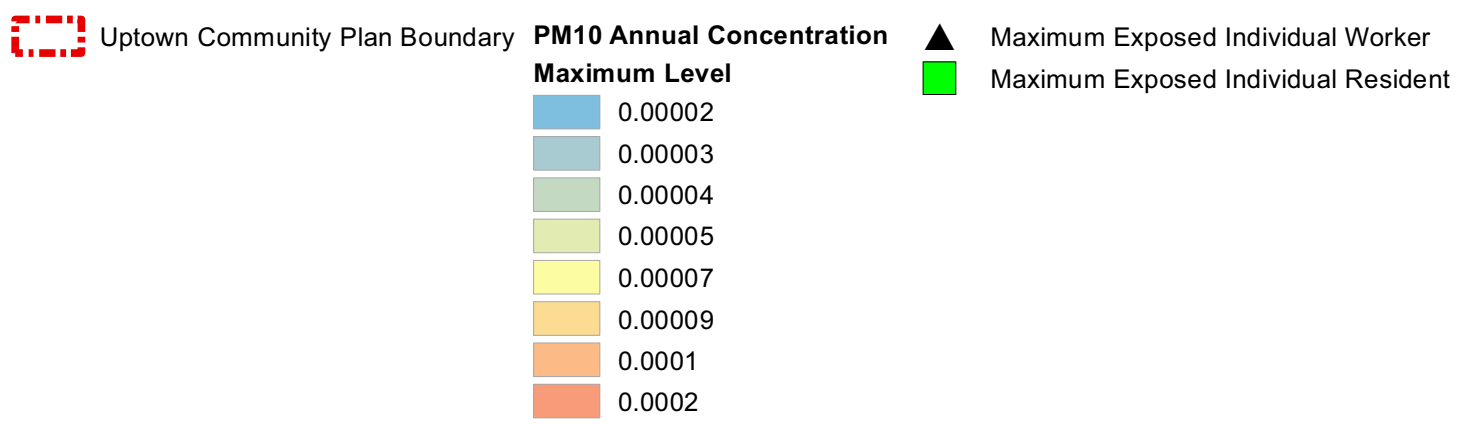
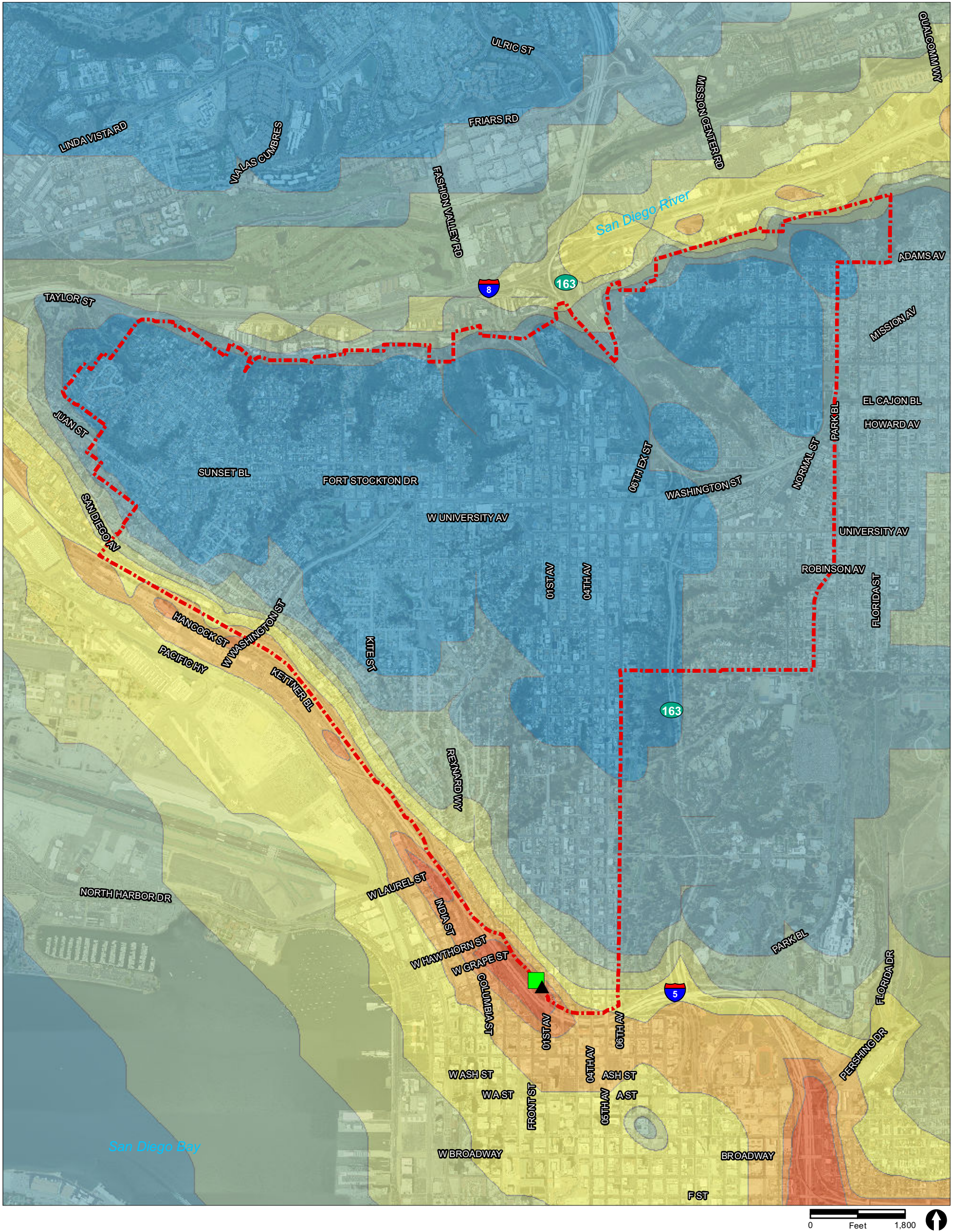


FIGURE 7a

Uptown CPU 2035 Annual PM Concentrations from Freeway Operations

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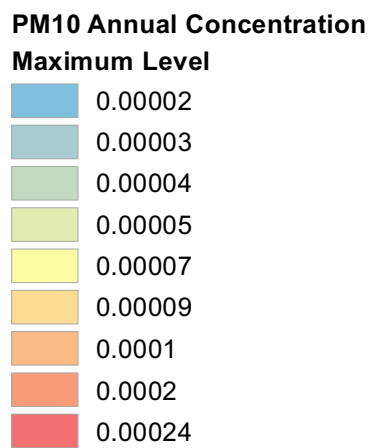
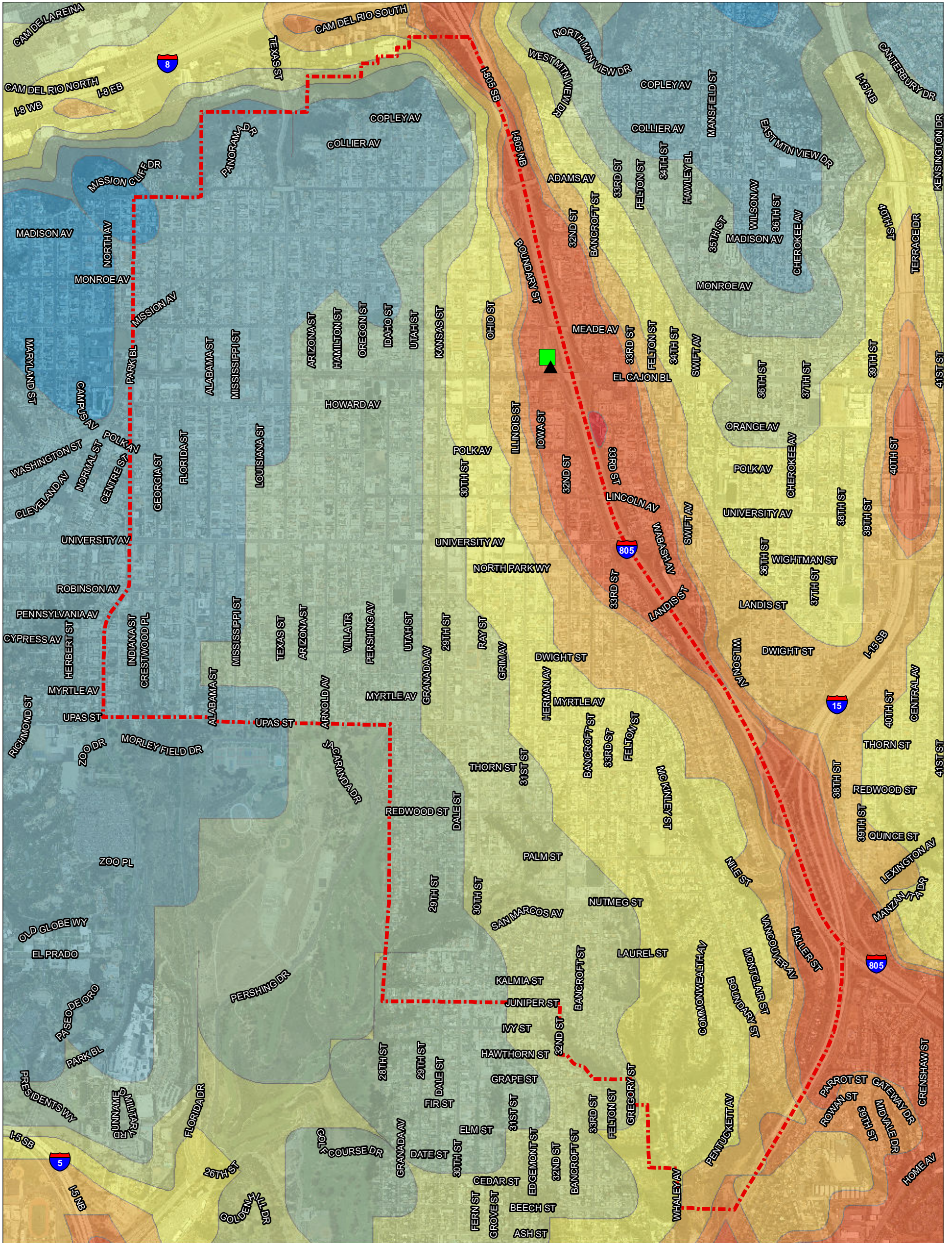
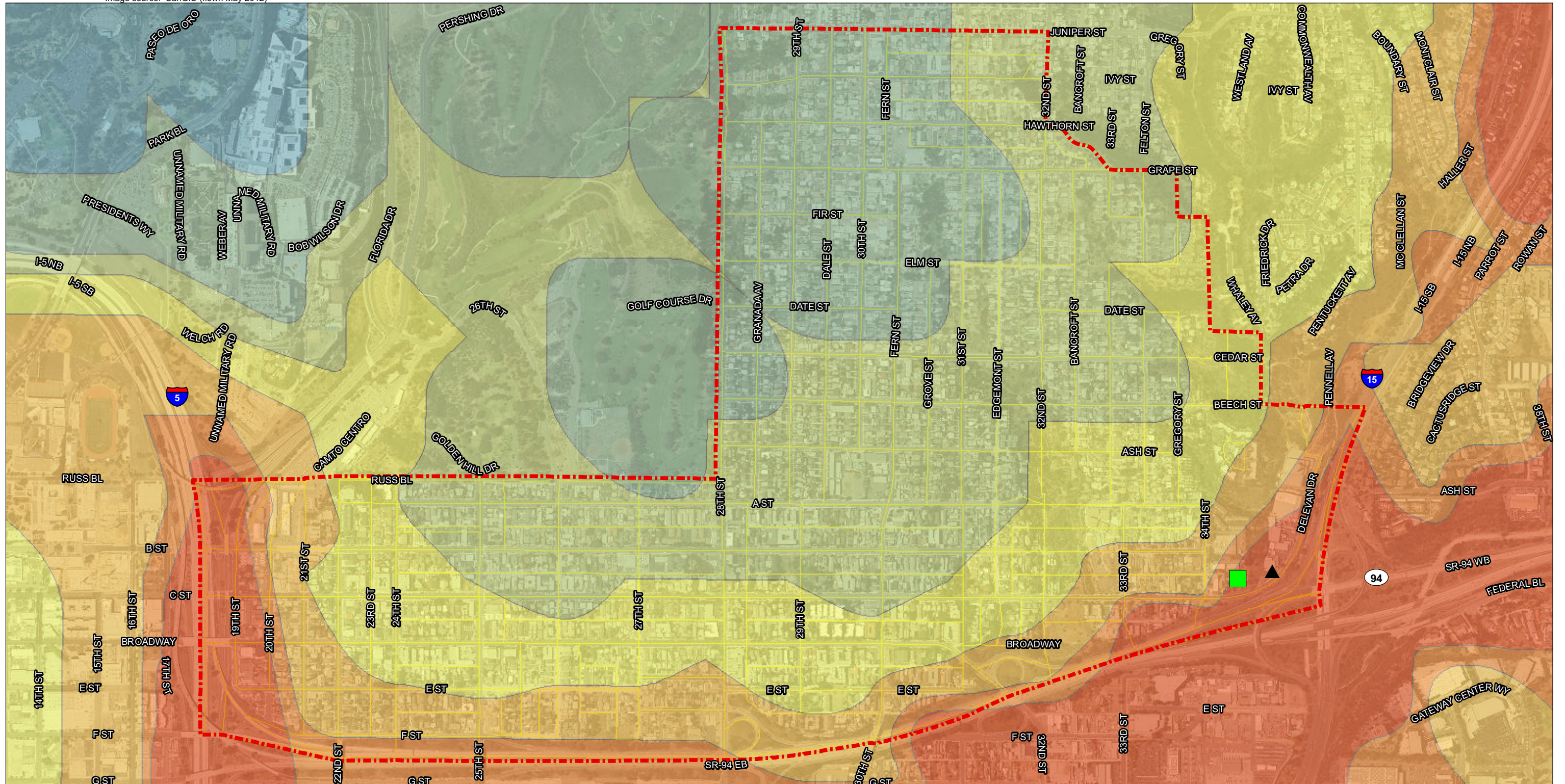


FIGURE 7b

North Park CPU 2035 Annual PM Concentrations from Freeway Operations

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Golden Hill Community Plan Boundary

**PM10 Annual Concentration**  
Maximum Level

	0.00003
	0.00004
	0.00005
	0.00007
	0.00009
	0.0001
	0.0002

Maximum Exposed Individual Worker

Maximum Exposed Individual Resident

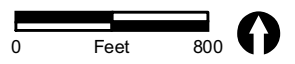


FIGURE 7c  
Golden Hill CPU 2035 Annual PM Concentrations  
from Freeway Operations

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**ii. Chronic Risk**

An assessment of the potential chronic risk due to DPM was made at the same receivers throughout the Uptown CPU area as discussed above for the carcinogenic risk. The results of the analysis indicate that the worst-case chronic health hazard index due to DPM from the freeways would be approximately 0.1 or less in 2035. The 2035 chronic health hazard index would be less than one at all locations within the Uptown CPU area. Therefore, this represents a less than significant chronic health impact.

### **6.1.4 Air Movement**

As shown in Figure 3a, the Uptown CPU area is heavily developed, and only relatively small areas would experience a change in land uses, most of which would involve the demolition of existing structures and improvements. Thus, future development would be similar in height, bulk, and scale to existing development in the area. Implementation of the Uptown CPU would result in a similar development pattern and would not substantially change air movement within the CPU area. Impacts would be less than significant.

### **6.1.5 Odors**

A potential odor impact can occur from two different situations: 1) the proposed plan would introduce receptors in a location where they would be affected by an existing or future planned odor source, or 2) proposed uses within the plan would generate odors that could adversely affect a substantial number of persons.

While offensive odors rarely cause physical harm, they can be unpleasant, leading to considerable annoyance and distress among the public and can generate citizen complaints to local governments and air districts. Although the type of receptors, e.g. residential, schools, daycares, and hospitals, in question are used to ultimately determine if a project has significant odor impacts, a number of operational and environmental factors also influence the extent to which those receptors are affected by odors.

The nature of operational activities and the types of odiferous compounds they produce (e.g., odor emissions from a wastewater treatment process, rendering plant, or coffee roaster) can affect the number of complaints differently depending on the type of odor produced. For example, odiferous compounds generated by a wastewater treatment plant or landfill are more likely to be perceived more offensive to receptors than those generated by a coffee roaster or bakery.

Meteorological conditions also affect the dispersion of odor emissions, which determines the exposure concentration of odors at receptors. Receptors located upwind from a substantial odor source may not be affected due the odors being dispersed away from the receptors.

In the context of land use planning, one of the most important factors influencing the potential for an odor impact to occur is the distance between the odor source and receptors. The City considers prudent land-use planning as the key mechanism to avoid odor impacts. The greater the distance between an odor source and receptor, the less concentrated the odor emission would be when it reaches the receptor. Odors can be generated from a variety of source types including both construction and operational activities. Although less common, construction activities that include the operation of a substantial number of diesel-fueled construction equipment and heavy-duty trucks can generate odors from diesel exhaust emissions. A project's operations, depending on the project type, can generate a large range of odors that can be considered offensive to receptors. Examples of common land use types that typically generate significant odor impacts include, but are not limited to:

- Wastewater treatment plants,
- Sanitary landfills,
- Composting/green waste facilities
- Recycling facilities,
- Petroleum refineries,
- Chemical manufacturing plants,
- Painting/Coating operations,
- Rendering plants, and
- Food packaging plants.

Typically, it is necessary to consider more than one parameter when making a significance determination. For instance, if a project would result in a receptor and odor source being located in close proximity but the receptor would be upwind from the source, the likelihood of the receptor being exposed to objectionable odors would be lower than if it was downwind from the odor source. Also, an odor complaint history may support the determination that receptors would be exposed to objectionable odors from a specific source even if the receptor appears to have sufficient distance from the odor source. This might be the case because the source generates more intense levels of odor emissions than similar sources, or because of meteorological conditions unique to the area or season.

However, the Uptown CPU proposes single-family residential, multi-family residential, commercial, institutional, hotel, and park and open space land uses. The Uptown CPU would not introduce land uses such as those listed above that would generate substantial odor. A typical use in the CPU area that would generate odors would be restaurants. Restaurants can create odors from cooking activities. These odors would be similar to existing residential and food service uses throughout the CPU area and would be confined to the immediate vicinity of the buildings. Restaurants are also typically required to provide ventilation systems that avoid substantial adverse odor impacts. Implementation of the Uptown CPU would not create operational-related objectionable odors affecting a substantial number of people within the City. The City's process for the evaluation of discretionary projects also includes environmental review and documentation pursuant to



CEQA. Ministerial projects would not include projects that generate substantial odors. Program-level impacts associated with odor would be less than significant.

## **6.2 North Park**

### **6.2.1 Consistency with Regional Air Quality Plans**

As discussed in Section 6.1.1, Consistency with Regional Air Quality Plans, the basis for the RAQS is the distribution of population in the region. As such, projects that propose development that is equal to or less than population growth projections and land use intensity are inherently consistent. Projects that propose development that is greater than anticipated in the growth projections warrant further analysis to determine consistency with RAQS and the SIP. The consistency with the RAQS is further evaluated by comparing emissions that would occur under buildout of the Adopted Community Plan to the emissions that would occur under buildout of the proposed CPU.

The North Park CPU would change the planned land use mix as follows:

- Increase the projected number of residential units by approximately 7 percent; and,
- Decrease the amount of land designated for commercial development by approximately 2 percent.

As calculated in Section 6.2.2, Air Quality Standards, future operational emissions under the proposed North Park CPU would be greater than future operational emissions under the Adopted Community Plan. This is due to the increase in residential uses when compared to the Adopted Community Plan. Therefore, emissions of ozone precursors (reactive organic gases [ROG] and NO<sub>x</sub>) would be greater than what is accounted for in the RAQS. Thus, the North Park CPU would conflict with implementation of the RAQS, and could have a potentially significant impact on regional air quality.

### **6.2.2 Air Quality Standards**

#### **6.2.2.1 Construction**

As discussed in Section 5.1, Consistency with Regional Air Quality Plans, to illustrate the range of potential construction-related air quality impacts from projects that could occur, three hypothetical projects were evaluated: a 1.8-acre multi-family residential project, a 25,000-square-foot commercial project, and a 65,000-square-foot light industrial project. The size and scope of these hypothetical projects was selected to reflect typical projects in heavily developed areas such as the North Park CPU area. The results are shown in Table 10 in Section 6.1.2.1.

As shown, the hypothetical individual projects would not result in air emissions that would exceed the applicable thresholds. However, if several of these projects were to occur simultaneously, there is the potential to exceed significance thresholds.

The projects discussed above are illustrative only. Approval of the North Park CPU would not specifically permit the construction of an individual project, and no specific development details are available at this program level. The thresholds presented above are applied on a project-by-project basis and are not used for assessment of regional planning impacts. The information is presented to illustrate the potential scope of air impacts for projects that could be reviewed under the North Park CPU. Additionally, the regulations at the federal, state, and local level provide a framework for developing project-level air quality protection measures for future discretionary projects. The City's process for the evaluation of discretionary projects also includes environmental review and documentation pursuant to CEQA as well as an analysis of those projects for consistency with the goals, policies, and recommendations of the General Plan. Thus, implementation of the policies in the North Park CPU and General Plan would preclude or reduce construction related air quality impacts to a level less than significant.

Ministerial projects would not require environmental review. Generally, ministerial permits require a public official to determine only that the project conforms to applicable zoning and building code requirements and that applicable fees have been paid. These projects are generally smaller in size than those requiring discretionary review, and would be smaller than the hypothetical projects evaluated in this analysis. As such, construction related air quality impacts associated with these projects would be less than significant for ministerial projects.

### **6.2.2.2 Operation**

Pollutant emissions from buildout of all land uses within the North Park CPU area would far exceed project-level City of San Diego Significance Determination Thresholds. However, as discussed previously, project-level standards are not appropriate for a program-level analysis, as the thresholds are conservative and intended to ensure many individual projects would not obstruct the timely attainment of the national and state AAQS. Generally, discretionary, program-level planning activities, such as general plans, community plans, specific plans, etc., are evaluated for consistency with the local air quality plan. In contrast, project-level thresholds are applied to individual project-specific approvals, such as a proposed development project. Therefore, the analysis of the North Park CPU is based on the future emissions estimates and related to attainment strategies derived from the Adopted Community Plan. At the program level, the analysis looks at the emissions of the North Park CPU in relation to the Adopted Community Plan to determine if the emissions would exceed the emissions estimates included in the RAQS to determine whether it would obstruct attainment or result in an exceedance of ambient air quality standards that would result in the temporary or permanent exposure of persons to unhealthy concentrations of pollutants. As such, this analysis evaluates the potential for future development within the

North Park CPU area to result in, or contribute to, a violation of any air quality standard based on the change in pollutant emissions that would result from buildout of the Adopted Community Plan in the year 2035 to the proposed North Park CPU in the year 2035. Table 13 summarizes the estimated maximum emissions for the North Park CPU by source.

**TABLE 13  
TOTAL OPERATIONAL EMISSIONS FOR THE NORTH PARK CPU AREA**

Condition	Source	Pollutant (pounds per day)					
		ROG	NO <sub>x</sub>	CO	SO <sub>2</sub>	PM <sub>10</sub>	PM <sub>2.5</sub>
Adopted Community Plan	Area	1,382	33	2,823	0	57	57
	Energy	14	119	54	1	10	10
	Mobile	766	1,256	7,264	27	1,947	540
	Total	2,162	1,407	10,141	28	2,013	606
CPU	Area	1,459	35	3,010	0	61	60
	Energy	15	125	56	1	10	10
	Mobile	793	1,306	7,549	28	2,029	562
	Total	2,267	1,466	10,615	29	2,100	633
<i>Change</i>		<i>105</i>	<i>59</i>	<i>474</i>	<i>1</i>	<i>86</i>	<i>27</i>

As shown in Table 13, operational emissions associated with the North Park CPU would be greater for all pollutants when compared to the Adopted Community Plan. Additionally, the North Park CPU would result in emissions in excess of project-level thresholds (see Table 4).

The regulations at the federal, state, and local level provide a framework for developing project-level air quality protection measures for future discretionary projects. The City’s process for the evaluation of discretionary projects also includes environmental review and documentation pursuant to CEQA as well as an analysis of those projects for consistency with the goals, policies, and recommendations of the General Plan. In general, implementation of the policies in the North Park CPU and General Plan would preclude or reduce air quality impacts. However, it is possible that for certain projects, adherence to the regulations may not adequately protect air quality, and such projects would require additional measures to avoid or reduce significant air quality impacts. Because the North Park CPU would conflict with implementation of the RAQS, air emissions associated with the adoption of the North Park CPU could have a potentially significant impact on regional air quality.

## **6.2.3 Sensitive Receptors**

### **6.2.3.1 Localized Carbon Monoxide Hot Spot Impacts**

The traffic study and traffic memo concluded that nine intersections in the North Park CPU area would operate at LOS E or worse. Based on the CO Protocol, the three worst signalized intersections in the North Park CPU area were selected for a detailed CO hot spot

analysis. These intersections are listed in Table 14. CALINE4, a computer air emission dispersion model, was used to calculate CO concentrations at receivers located at each intersection. These concentrations were derived from inputs including traffic volumes from the CPU traffic analysis and emission factors from EMFAC2014 (State of California 2014b). The results of the modeling for these three intersections in the North Park CPU area are summarized in Table 14.

**TABLE 14**  
**MAXIMUM BUILDOUT CO CONCENTRATIONS IN THE NORTH PARK CPU AREA**

Roadway	1-Hour CO ppm	1-Hour CO Standard CAAQS/ NAAQS	8-Hour CO ppm <sup>1</sup>	8-Hour CO Standard CAAQS/ NAAQS
Madison Ave & Texas St	4.2	9.0/9	2.9	20/35
El Cajon Blvd & I-805 SB Ramps	4.8		3.4	
University Ave & I-805 NB Ramps	5.0		3.5	

<sup>1</sup> 8-hour concentrations developed based on a 0.7 persistence factor.

As shown, the maximum 1-hour concentration would be 5.0 ppm. This concentration is below the federal and state 1-hour standards. In order to determine the 8-hour concentration, the 1-hour value was multiplied by a persistence factor of 0.7, as recommended in the CO Protocol. Based on this calculation, the maximum 8-hour concentration would be 3.5 ppm. Thus, increases of CO due to the North Park CPU would be below the federal and state 8-hour standards. Therefore, there would be no harmful concentrations of CO within the North Park CPU area, and localized air quality emissions would be less than significant.

### 6.2.3.2 Toxic Air Emissions

#### a. Stationary Sources

The North Park CPU includes land uses which may generate air pollutants affecting adjacent sensitive land uses. In air quality terms, individual land uses that emit air pollutants in sufficient quantities are known as stationary sources. The primary concern with stationary sources is local, however, they also contribute to air pollution in the SDAB. Stationary sources include gasoline stations, power plants, dry cleaners, and other commercial and industrial uses. Stationary sources are regulated by the local air pollution control or management district through the issuance of permits; in this case, the agency is the SDAPCD.

The California Air Toxics Program establishes the process for the identification and control of toxic air contaminants and includes provisions to make the public aware of significant toxic exposures and for reducing risk. Additionally, AB 2588, the Air Toxics "Hot Spots" Act, was enacted in 1987 and requires stationary sources to report the types and quantities of certain substances routinely released into the air. The goals of AB 2588 are to collect

emission data, to identify facilities having localized impacts, to ascertain health risks, to notify nearby residents of significant risks, and to reduce those significant risks to acceptable levels.

In accordance with AB 2588, any new facility proposed that would have the potential to emit toxic air contaminants would be required to assess air toxic problems that would result from their facility's emissions (SDAPCD 2010). If air emissions from a specific facility include toxic substances or exceed identified limits, the facility is required by the SDAPCD to provide information regarding emission inventories and health risk assessments. If adverse health impacts exceeding public notification levels are identified, the facility would provide public notice, and if the facility poses a potentially significant public health risk, the facility must submit a risk reduction audit and plan to demonstrate how the facility would reduce health risks. Thus, with this regulatory framework, at the program level, impacts associated with stationary sources in the North Park CPU area would be less than significant.

## **b. Mobile Sources**

Unlike stationary sources, local agencies, such as the SDAPCD, do not regulate roadways as emission sources. While the CARB regulates vehicle emissions and fuel formulations, the source of the majority of DPM is regulated nationwide by the EPA. As discussed in the methodology in Section 5.3, to determine the exposure of sensitive receptors to DPM within the CPU areas, a single AERMOD run was created for all freeway sources in all CPU areas. The results provide the total average annual DPM concentrations at each modeled grid receiver. The resulting total average annual DPM concentrations were then used to calculate the incremental cancer risk and chronic health hazard index at each receiver as described in Section 4.3. Attachment 3 contains the AERMOD input and output data sheets and the results are discussed below.

### ***i. Carcinogenic Risk***

There is no adopted standard for evaluating the DPM emission impacts due to vehicles traveling on local roadway and freeways. Therefore, the significance threshold of 10 in one million was used in evaluating the potential impacts from the vehicular sources.

As discussed in Section 5.3.2, in general for health risk assessments it is recommended that the residential incremental cancer risk be reported for the average (65<sup>th</sup> percentile), 80<sup>th</sup> percentile, and high-end (95<sup>th</sup> percentile) breathing rates. Isopleths of the residential incremental cancer risk for the 80<sup>th</sup> percentile under the North Park CPU are shown in Figure 7b.

The worst-case high end (95<sup>th</sup> percentile) residential incremental increase in cancer risk due to DPM emissions associated with increased traffic on local freeways in the North Park CPU area is 0.29 in one million and occurs in proximity to the I-15 and SR-94 interchange. The location of the North Park MEIR and MEIW locations are shown on Figure 7b. The

maximum concentrations higher than at these locations occur within the I-15 right-of-way. This high-end residential incremental cancer risk is less than the significance threshold of 10 in one million. Exposure associated with the 65<sup>th</sup> percentile, 80th percentile and worker incremental cancer risks at this location would be less than the 95th percentile value. Therefore, the incremental increase in cancer risks to sensitive receivers due to the North Park CPU would be less than significant.

## *ii. Chronic Risk*

An assessment of the potential chronic risk due to DPM was made at the same receivers throughout the North Park CPU area as discussed above for the carcinogenic risk. The results of the analysis indicate that the worst-case chronic health hazard index due to DPM from the freeways would be approximately 0.1 or less in 2035. The 2035 chronic health hazard index would be less than one at all locations within the North Park CPU area. Therefore, this represents a less than significant chronic health impact.

## **6.2.4 Air Movement**

As shown in Figure 3b, the North Park CPU area is heavily developed, and only relatively small areas would experience a change in land uses, most of which would involve the demolition of existing structures and improvements. Thus, future development would be similar in height, bulk, and scale to existing development in the area. Implementation of the North Park CPU would result in a similar development pattern and would not substantially change air movement within the CPU area. Impacts would be less than significant.

## **6.2.5 Odors**

As discussed in Section 6.1.5, a potential odor impact can occur from two different situations: 1) the proposed plan would introduce receptors in a location where they would be affected by an existing or future planned odor source, or 2) proposed uses within the plan would generate odors that could adversely affect a substantial number of persons.

As with the Uptown CPU, the North Park CPU proposes single-family residential, multi-family residential, commercial, institutional, hotel, and park and open space land uses. The North Park CPU would not introduce land uses that would generate substantial odor. A typical use in the CPU area that would generate odors would be restaurants. Restaurants can create odors from cooking activities. These odors would be similar to existing residential and food service uses throughout the CPU area and would be confined to the immediate vicinity of the buildings. Restaurants are also typically required to provide ventilation systems that avoid substantial adverse odor impacts. Implementation of the North Park CPU would not create operational-related objectionable odors affecting a substantial number of people within the City. The City's process for the evaluation of discretionary projects also includes environmental review and documentation pursuant to CEQA. Ministerial projects

would not include projects that generate substantial odors. Program-level impacts associated with odor would be less than significant.

## **6.3 Golden Hill**

### **6.3.1 Consistency with Regional Air Quality Plans**

As discussed in Section 6.1.1, the basis for the RAQS is the distribution of population in the region. As such, projects that propose development that is equal to or less than population growth projections and land use intensity are inherently consistent. Projects that propose development that is greater than anticipated in the growth projections warrant further analysis to determine consistency with RAQS and the SIP. The consistency with the RAQS is further evaluated by comparing emissions that would occur under buildout of the Adopted Community Plan to the emissions that would occur under buildout of the proposed CPU.

The Golden Hill CPU would change the planned land use mix as follows:

- Increase the projected number of residential by less than 1 percent; and,
- Decrease the amount of land designated for commercial development by approximately 9 percent.

As calculated in Section 6.3.2, future operational emissions under the proposed Golden Hill CPU would be less than future operational emissions under the Adopted Community Plan. Thus, because the land use changes associated with the Golden Hill CPU would not result in an effective increase in emissions, the Golden Hill CPU would be consistent with assumptions contained in the RAQS, and impacts would be less than significant.

### **6.3.2 Air Quality Standards**

#### **6.3.2.1 Construction**

As discussed in Section 5.1, Consistency with Regional Air Quality Plans, to illustrate the range of potential construction-related air quality impacts from projects that could occur, three hypothetical projects were evaluated: a 1.8-acre multi-family residential project, a 25,000-square-foot commercial project, and a 65,000-square-foot light industrial project. The size and scope of these hypothetical projects was selected to reflect typical projects in heavily developed areas such as the Golden Hill CPU area. The results are shown in Table 10 in Section 6.2.2.1.

As shown, the hypothetical individual projects would not result in air emissions that would exceed the applicable thresholds. However, if several of these projects were to occur simultaneously, there is the potential to exceed significance thresholds.

The projects discussed above are illustrative only. Approval of the Golden Hill CPU would not specifically permit the construction of an individual project, and no specific development details are available at this program level. The thresholds presented above are applied on a project-by-project basis and are not used for assessment of regional planning impacts. The information is presented to illustrate the potential scope of air impacts for projects that could be reviewed under the Golden Hill CPU. Additionally, the regulations at the federal, state, and local level provide a framework for developing project-level air quality protection measures for future discretionary projects. The City's process for the evaluation of discretionary projects also includes environmental review and documentation pursuant to CEQA as well as an analysis of those projects for consistency with the goals, policies and recommendations of the General Plan. Thus, implementation of the policies in the Golden Hill CPU and General Plan would preclude or reduce construction related air quality impacts to a level less than significant.

Ministerial projects would not require environmental review. Generally, ministerial permits require a public official to determine only that the project conforms to applicable zoning and building code requirements and that applicable fees have been paid. These projects are generally smaller in size than those requiring discretionary review, and would be smaller than the hypothetical projects evaluated in this analysis. As such, construction related air quality impacts associated with these projects would be less than significant for ministerial projects.

### **6.3.2.2 Operation**

Pollutant emissions from buildout of all land uses within the Golden Hill CPU area would far exceed project-level City of San Diego Significance Determination Thresholds. However, project-level standards are not appropriate for a program-level analysis, as the thresholds are conservative and intended to ensure many individual projects would not obstruct the timely attainment of the national and state AAQS. Generally, discretionary, program-level planning activities, such as general plans, community plans, specific plans, etc., are evaluated for consistency with the local air quality plan. In contrast, project-level thresholds are applied to individual project-specific approvals, such as a proposed development project. Therefore, the analysis of the Golden Hill CPU is based on the future emissions estimates and related to attainment strategies derived from the Adopted Community Plan. At the program level, the analysis looks at the emissions of the Golden Hill CPU in relation to the Adopted Community Plan to determine if the emissions would exceed the emissions estimates included in the RAQS to determine whether it would obstruct attainment or result in an exceedance of AAQS that would result in the temporary or permanent exposure of persons to unhealthy concentrations of pollutants. As such, this analysis evaluates the potential for future development within the Golden Hill CPU area to result in, or contribute to, a violation of any air quality standard based on the change in pollutant emissions that would result from buildout of the Adopted Community Plan in the year 2035 to the proposed



Golden Hill CPU in the year 2035. Table 15 summarizes the estimated maximum emissions for the Golden Hill CPU by source.

As shown in Table 15, operational emissions associated with the Golden Hill CPU would be lower for all pollutants when compared to the Adopted Community Plan.

Further, while program-level air emissions would exceed the City’s project-level thresholds, the Uptown CPU would emit fewer pollutants than would occur under the Adopted Community Plan. Therefore, the air emissions from buildout of the Golden Hill CPU would not increase air pollutants in the region, would not further increase the frequency of existing violations of federal or State AAQS, or result in new exceedances. Air quality impacts associated with the adoption of the Golden Hill CPU would result in less than significant impacts.

**TABLE 15  
TOTAL OPERATIONAL EMISSIONS FOR THE GOLDEN HILL CPU AREA**

Condition	Source	Pollutant (pounds per day)					
		ROG	NO <sub>x</sub>	CO	SO <sub>2</sub>	PM <sub>10</sub>	PM <sub>2.5</sub>
Adopted Community Plan	Area	381	9	755	0	15	15
	Energy	4	34	15	0	3	3
	Mobile	197	328	1,886	7	511	142
	Total	581	370	2,656	7	529	160
CPU	Area	382	9	759	0	15	15
	Energy	4	34	15	0	3	3
	Mobile	195	325	1,870	7	508	141
	Total	580	368	2,644	7	526	159
<i>Change</i>		-1	-2	-12	0	-3	-1

### 6.3.3 Sensitive Receptors

#### 6.3.3.1 Localized Carbon Monoxide Hot Spot Impacts

The traffic study and traffic memo concluded that six intersections in the Golden Hill CPU area would operate at LOS E or worse. All six of these intersections are unsignalized. Based on the CO Protocol, the three worst signalized intersections should be selected for a detailed CO hot spot analysis. As no signalized intersection within the Golden Hill CPU area would operate at LOS E or worse, no intersections from the Golden Hill CPU area were included in this assessment, and there would be no harmful concentrations of CO within the Golden Hill CPU area. Localized air quality emissions would be less than significant.

### **6.3.3.2 Toxic Air Emissions**

#### **a. Stationary Sources**

The Golden Hill CPU includes land uses which may generate air pollutants affecting adjacent sensitive land uses. In air quality terms, individual land uses that emit air pollutants in sufficient quantities are known as stationary sources. The primary concern with stationary sources is local, however, they also contribute to air pollution in the SDAB. Stationary sources include gasoline stations, power plants, dry cleaners, and other commercial and industrial uses. Stationary sources are regulated by the local air pollution control or management district through the issuance of permits; in this case, the agency is the SDAPCD.

The California Air Toxics Program establishes the process for the identification and control of toxic air contaminants and includes provisions to make the public aware of significant toxic exposures and for reducing risk. Additionally, AB 2588 was enacted in 1987 and requires stationary sources to report the types and quantities of certain substances routinely released into the air. The goals of the Air Toxics "Hot Spots" Act are to collect emission data, to identify facilities having localized impacts, to ascertain health risks, to notify nearby residents of significant risks, and to reduce those significant risks to acceptable levels.

In accordance with AB 2588, any new facility proposed that would have the potential to emit toxic air contaminants would be required to assess air toxic problems that would result from their facility's emissions (SDAPCD 2010). If air emissions from a specific facility include toxic substances or exceed identified limits, the facility is required by the SDAPCD to provide information regarding emission inventories and health risk assessments. If adverse health impacts exceeding public notification levels are identified, the facility would provide public notice, and if the facility poses a potentially significant public health risk, the facility must submit a risk reduction audit and plan to demonstrate how the facility would reduce health risks. Thus, with this regulatory framework, at the program level, impacts associated with stationary sources in the Golden Hill CPU area would be less than significant.

#### **b. Mobile Sources**

Unlike stationary sources, local agencies, such as the SDAPCD, do not regulate roadways as emission sources. While the CARB regulates vehicle emissions and fuel formulations, the source of the majority of DPM is regulated nationwide by the EPA. As discussed in the methodology in Section 5.3, to determine the exposure of sensitive receptors to DPM within the CPU areas, a single AERMOD run was created for all freeway sources in all CPU areas. The results provide the total average annual DPM concentrations at each modeled grid receiver. The resulting total average annual DPM concentrations were then used to calculate the incremental cancer risk and chronic health hazard index at each receiver as described in Section 4.3. Attachment 3 contains the AERMOD input and output data sheets and the results are discussed below.

***i. Carcinogenic Risk***

There is no adopted standard for evaluating the DPM emission impacts due to vehicles traveling on local roadway and freeways. Therefore, the significance threshold of 10 in one million was used in evaluating the potential impacts from the vehicular sources.

As discussed in Section 5.3.2, in general for health risk assessments it is recommended that the residential incremental cancer risk be reported for the average (65<sup>th</sup> percentile), 80<sup>th</sup> percentile, and high-end (95<sup>th</sup> percentile) breathing rates. Isopleths of the residential incremental cancer risk for the 80<sup>th</sup> percentile under the Golden Hill CPU are shown in Figure 7c.

The worst-case high end (95th percentile) residential incremental increase in cancer risk due to DPM emissions associated with increased traffic on local freeways in the Golden Hill CPU area is 0.29 in one million and occurs in proximity to the I-15 and SR-94 interchange. The location of the Golden Hill MEIR and MEIW locations are shown on Figure 7c. The maximum concentrations higher than at these locations occur within the I-15 right-of-way. This high-end residential incremental cancer risk is less than the significance threshold of 10 in one million. Exposure associated with the 65th percentile, 80th percentile and worker incremental cancer risks at this location would be less than the 95th percentile value. Therefore, the incremental increase in cancer risks to sensitive receptors would be less than significant.

***ii. Chronic Risk***

An assessment of the potential chronic risk due to DPM was made at the same receivers throughout the Golden Hill CPU area as discussed above for the carcinogenic risk. The results of the analysis indicate that the worst-case chronic health hazard index due to DPM from the freeways would be approximately 0.1 or less in 2035. The 2035 chronic health hazard index would be less than one at all locations within the Golden Hill CPU area. Therefore, this represents a less than significant chronic health impact.

### **6.3.4 Air Movement**

As shown in Figure 3c, the Golden Hill CPU area is heavily developed, and only relatively small areas would experience a change in land uses, most of which would involve the demolition of existing structures and improvements. Thus, future development would be similar in height, bulk, and scale to existing development in the area. Implementation of the Golden Hill CPU would result in a similar development pattern and would not substantially change air movement within the CPU area. Impacts would be less than significant.

### **6.3.5 Odors**

As discussed in Section 6.1.5, a potential odor impact can occur from two different situations: 1) the proposed plan would introduce receptors in a location where they would be affected by an existing or future planned odor source, or 2) proposed uses within the plan would generate odors that could adversely affect a substantial number of persons.

As with the Uptown and North Park CPUs, the Golden Hill CPU proposes single-family residential, multi-family residential, commercial, institutional, hotel, and park and open space land uses. The Golden Hill CPU would not introduce land uses that would generate substantial odor. A typical use in the CPU area that would generate odors would be restaurants. Restaurants can create odors from cooking activities. These odors would be similar to existing residential and food service uses throughout the CPU area and would be confined to the immediate vicinity of the buildings. Restaurants are also typically required to provide ventilation systems that avoid substantial adverse odor impacts. Implementation of the Golden Hill CPU would not create operational-related objectionable odors affecting a substantial number of people within the City. The City's process for the evaluation of discretionary projects also includes environmental review and documentation pursuant to CEQA. Ministerial projects would not include projects that generate substantial odors. Program-level impacts associated with odor would be less than significant.

## **7.0 Conclusions**

### **7.1 Consistency with Regional Plans**

Future operational emissions associated with the Uptown and Golden Hill CPUs would be less than anticipated for future operational emissions under the Adopted Community Plans. Thus, emissions associated with the Uptown and Golden Hill CPUs are already accounted for in the RAQS, and adoption of these CPUs would not conflict with the RAQS.

Future operational emissions associated with the North Park CPU would be greater than anticipated for future operational emissions under the Adopted Community Plan. Therefore, emissions of ozone precursors (ROG and NO<sub>x</sub>) would be greater than what is accounted for in the RAQS. Thus, the North Park CPU would conflict with implementation of the RAQS, and could have a potentially significant impact on regional air quality. Because the significant air impact stems from an inconsistency between the North Park CPU and the adopted land use plans upon which the RAQS was based, the only measure that can lessen this effect is the revision of the RAQS and SIP based on the revised North Park CPU. This effort is the responsibility of SANDAG, and the SDAPCD and is outside the jurisdiction of the City.

The following mitigation measure will address the project's inconsistency.

**AQ-1:** Prior to the next update of the RAQS and within six months of the certification of the final EIR, the City shall provide revised land use data to SANDAG to ensure that any revisions to the population and employment projections used by SDAPCD in updating the RAQS and the SIP will accurately reflect anticipated growth due to the North Park CPU.

The provision of this information would assist SANDAG in revising the housing forecasts; however, until the anticipated growth is included in the emission estimates of the RAQS and the SIP, direct and cumulative impacts relative to conformance with the RAQS would remain significant and unavoidable. It should be noted that the SDAPCD may revise an emission reduction strategy if the district demonstrates to CARB, and CARB finds, that the modified strategy is at least as effective in improving air quality as the strategy being replaced. The last RAQS was adopted in 2009 and only accounts for the transportation and land use plans that were in place at the time of its adoption.

## **7.2 Air Quality Standards**

### **7.2.1 Construction**

As calculated in this analysis, the hypothetical individual projects would not result in air emissions that would exceed the applicable thresholds. Approval of the CPUs would not specifically permit the construction of an individual project, and no specific development details are available at this time. Additionally, the regulations at the federal, state, and local level provide a framework for developing project-level air quality protection measures for future discretionary projects. The City's process for the evaluation of discretionary projects also includes environmental review and documentation pursuant to CEQA as well as an analysis of those projects for consistency with the goals, policies and recommendations of the General Plan. Thus, implementation of the policies in each of the CPUs and General Plan would preclude or reduce construction related air quality impacts to a level less than significant.

Ministerial projects would not require environmental review. Generally ministerial permits require a public official to determine only that the project conforms to applicable zoning and building code requirements and that applicable fees have been paid. These projects are generally smaller in size than those requiring discretionary review, and would be smaller than the hypothetical projects evaluated in this analysis. As such, construction related air quality impacts associated with the CPUs would be less than significant for ministerial projects.

### **7.2.2 Operation**

While program-level air emissions would exceed the City's project-level thresholds for all CPUs, the Uptown and Golden Hill CPUs would emit fewer pollutants than would occur under the Adopted Community Plans. Therefore, the air emissions from buildout of the

Uptown and Golden Hill CPUs would not increase air pollutants in the region, would not further increase the frequency of existing violations of federal or State AAQS, or would not result in new exceedances. Therefore, air quality impacts associated with the adoption of the Uptown and Golden Hill CPUs would result in less than significant impacts.

Operational emissions associated with the North Park CPU would be greater for all pollutants when compared to the Adopted Community Plan. Additionally, the North Park CPU would result in emissions in excess of project-level thresholds. Thus, the North Park CPU would have a potentially significant impact on regional air quality.

While identified regulations would reduce emissions and may preclude many potential impacts, as no project-specific data is available at this time and air emissions from the future developments within the planning areas cannot be adequately quantified, this impact would be significant. The following mitigation framework shall be implemented; however, impacts would remain significant at the program level.

**AQ-2.** Development that would significantly impact air quality, either individually or cumulatively, shall receive entitlement only if it is conditioned with all reasonable mitigation to avoid, minimize, or offset the impact.

Implementation of this mitigation framework would reduce these impacts, but not to a level less than significant.

## **7.3 Sensitive Receptors**

### **7.3.1 CO Hotspots**

The CO hot spot analysis evaluated six intersections, three in the Uptown and three in the North Park CPUs. No intersections were evaluated within the Golden Hill CPU as none of the intersections within that CPU met the minimum criteria for evaluation. The hot spot analysis indicated that the increases of CO due to the implementation of the CPUs would be below the federal and state 1-hour and 8-hour standards. Therefore, the adoption and implementation of the Uptown, North Park, and Golden Hill CPUs would not result in the exposure of people working or residing in the area to harmful concentrations of CO and impact to localized air quality from CO, emissions would be less than significant.

### **7.3.2 Stationary Sources**

It is possible that businesses that generate air pollutants would be developed within the CPU areas. Without appropriate controls, air emissions associated with planned land uses would represent a significant adverse air quality impact. However, the SDAPCD would require an emissions inventory and health risk assessment in accordance with AB 2588 prior to issuance of any permits to construct or operate. As the CPUs do not identify specific

projects and existing laws would require evaluation and reductions of risks, at a program level, impacts would be less than significant.

### **7.3.3 Mobile Sources**

The risk analysis indicates that the carcinogenic risks associated with diesel fueled vehicles operating on local freeways would be less than 10 in a million within each of the CPUs. The analysis also indicated that the non-carcinogenic risks from PM<sub>10</sub> are measured to have a maximum chronic hazard index below the significance threshold of 1.0. Therefore, the carcinogenic and noncarcinogenic risks resulting from exposure of existing and future residents to DPM emissions due to implementation of the CPUs is not projected to be significant.

## **7.4 Air Movement**

As shown in Figures 3a through 3c, the planning areas are heavily developed, and only relatively small areas would experience a change in land uses, most of which would involve the demolition of existing structures and improvements. Thus, future development would be similar in height, bulk, and scale to existing development in the area. Implementation of the proposed CPUs would result in a similar development pattern and would not substantially change air movement within any of the CPUs.

## **7.5 Odors**

The CPUs propose single-family residential, multi-family residential, commercial, institutional, hotel, and park and open space land uses, and would not introduce land uses that would generate substantial odor. A typical use in the CPU areas that would generate odors would be restaurants. These odors would be similar to existing residential and food service uses throughout the CPU areas and would be confined to the immediate vicinity of the buildings. Restaurants are also typically required to provide ventilation systems that avoid substantial adverse odor impacts. Implementation of the CPUs would not create operational-related objectionable odors affecting a substantial number of people within the City. Program-level impacts associated with odor would be less than significant.

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## **ATTACHMENTS**

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**ATTACHMENT 1**  
**CalEEMod Data Sheets**

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**CalEEMod Output Files**  
**Illustrative Hypothetical Projects**

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## Sample Residential Project San Diego County, Summer

### 1.0 Project Characteristics

#### 1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments Low Rise	29.00	Dwelling Unit	1.81	29,000.00	83

#### 1.2 Other Project Characteristics

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.6	<b>Precipitation Freq (Days)</b>	40
<b>Climate Zone</b>	13			<b>Operational Year</b>	2016
<b>Utility Company</b>	San Diego Gas & Electric				
<b>CO2 Intensity (lb/MWhr)</b>	720.49	<b>CH4 Intensity (lb/MWhr)</b>	0.029	<b>N2O Intensity (lb/MWhr)</b>	0.006

#### 1.3 User Entered Comments & Non-Default Data

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	150.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	150.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	150.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	150.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	150
tblAreaCoating	Area_EF_Nonresidential_Interior	250	150
tblAreaCoating	Area_EF_Residential_Exterior	250	150
tblAreaCoating	Area_EF_Residential_Interior	250	150
tblAreaMitigation	UseLowVOCPaintNonresidentialInteriorValue	250	150
tblAreaMitigation	UseLowVOCPaintResidentialExteriorValue	250	150

tblAreaMitigation	UseLowVOCPaintResidentialInteriorValue	250	150
tblFireplaces	NumberGas	15.95	26.10
tblFireplaces	NumberWood	10.15	0.00
tblProjectCharacteristics	OperationalYear	2014	2016
tblVehicleTrips	HO_TL	7.50	5.80
tblVehicleTrips	HS_TL	7.30	5.80
tblVehicleTrips	HW_TL	10.80	5.80
tblWoodstoves	NumberCatalytic	1.45	0.00
tblWoodstoves	NumberNoncatalytic	1.45	0.00

## 2.0 Emissions Summary

### 2.1 Overall Construction (Maximum Daily Emission)

#### Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2016	54.8205	28.6335	22.3096	0.0267	5.8653	1.7497	7.2643	2.9711	1.6375	4.2582	0.0000	2,686.7116	2,686.7116	0.6351	0.0000	2,700.0481
<b>Total</b>	<b>54.8205</b>	<b>28.6335</b>	<b>22.3096</b>	<b>0.0267</b>	<b>5.8653</b>	<b>1.7497</b>	<b>7.2643</b>	<b>2.9711</b>	<b>1.6375</b>	<b>4.2582</b>	<b>0.0000</b>	<b>2,686.7116</b>	<b>2,686.7116</b>	<b>0.6351</b>	<b>0.0000</b>	<b>2,700.0481</b>

#### Mitigated Construction

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

Year	lb/day										lb/day					
2016	54.8205	28.6335	22.3096	0.0267	2.3276	1.7497	3.7265	1.1694	1.6375	2.4564	0.0000	2,686.7116	2,686.7116	0.6351	0.0000	2,700.0481
<b>Total</b>	<b>54.8205</b>	<b>28.6335</b>	<b>22.3096</b>	<b>0.0267</b>	<b>2.3276</b>	<b>1.7497</b>	<b>3.7265</b>	<b>1.1694</b>	<b>1.6375</b>	<b>2.4564</b>	<b>0.0000</b>	<b>2,686.7116</b>	<b>2,686.7116</b>	<b>0.6351</b>	<b>0.0000</b>	<b>2,700.0481</b>

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
<b>Percent Reduction</b>	0.00	0.00	0.00	0.00	60.32	0.00	48.70	60.64	0.00	42.31	0.00	0.00	0.00	0.00	0.00	0.00

### 3.0 Construction Detail

#### Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2016	1/28/2016	5	20	
2	Site Preparation	Site Preparation	1/29/2016	2/1/2016	5	2	
3	Grading	Grading	2/2/2016	2/5/2016	5	4	
4	Building Construction	Building Construction	2/6/2016	11/11/2016	5	200	
5	Paving	Paving	11/12/2016	11/25/2016	5	10	
6	Architectural Coating	Architectural Coating	11/26/2016	12/9/2016	5	10	

Acres of Grading (Site Preparation Phase): 1

Acres of Grading (Grading Phase): 1.5

Acres of Paving: 0

Residential Indoor: 58,725; Residential Outdoor: 19,575; Non-Residential Indoor: 0; Non-Residential Outdoor: 0 (Architectural Coating –

#### OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	8.00	255	0.40

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

### Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	5	13.00	0.00	23.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	3	8.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	3	8.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	7	21.00	3.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	13.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	4.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

### 3.1 Mitigation Measures Construction

Water Exposed Area

**3.2 Demolition - 2016**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2492	0.0000	0.2492	0.0377	0.0000	0.0377			0.0000			0.0000
Off-Road	2.9066	28.2579	21.4980	0.0245		1.7445	1.7445		1.6328	1.6328		2,487.1296	2,487.1296	0.6288		2,500.3343
<b>Total</b>	<b>2.9066</b>	<b>28.2579</b>	<b>21.4980</b>	<b>0.0245</b>	<b>0.2492</b>	<b>1.7445</b>	<b>1.9937</b>	<b>0.0377</b>	<b>1.6328</b>	<b>1.6705</b>		<b>2,487.1296</b>	<b>2,487.1296</b>	<b>0.6288</b>		<b>2,500.3343</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0225	0.3223	0.2301	8.6000e-004	0.0200	4.4000e-003	0.0244	5.4900e-003	4.0500e-003	9.5400e-003		86.6729	86.6729	6.2000e-004		86.6859
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0454	0.0533	0.5816	1.3500e-003	0.1068	8.0000e-004	0.1076	0.0283	7.4000e-004	0.0291		112.9092	112.9092	5.6600e-003		113.0280
<b>Total</b>	<b>0.0680</b>	<b>0.3756</b>	<b>0.8117</b>	<b>2.2100e-003</b>	<b>0.1268</b>	<b>5.2000e-003</b>	<b>0.1320</b>	<b>0.0338</b>	<b>4.7900e-003</b>	<b>0.0386</b>		<b>199.5820</b>	<b>199.5820</b>	<b>6.2800e-003</b>		<b>199.7138</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0972	0.0000	0.0972	0.0147	0.0000	0.0147			0.0000			0.0000
Off-Road	2.9066	28.2579	21.4980	0.0245		1.7445	1.7445		1.6328	1.6328	0.0000	2,487.1296	2,487.1296	0.6288		2,500.3343
<b>Total</b>	<b>2.9066</b>	<b>28.2579</b>	<b>21.4980</b>	<b>0.0245</b>	<b>0.0972</b>	<b>1.7445</b>	<b>1.8417</b>	<b>0.0147</b>	<b>1.6328</b>	<b>1.6475</b>	<b>0.0000</b>	<b>2,487.1296</b>	<b>2,487.1296</b>	<b>0.6288</b>		<b>2,500.3343</b>

### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0225	0.3223	0.2301	8.6000e-004	0.0200	4.4000e-003	0.0244	5.4900e-003	4.0500e-003	9.5400e-003		86.6729	86.6729	6.2000e-004		86.6859
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0454	0.0533	0.5816	1.3500e-003	0.1068	8.0000e-004	0.1076	0.0283	7.4000e-004	0.0291		112.9092	112.9092	5.6600e-003		113.0280
<b>Total</b>	<b>0.0680</b>	<b>0.3756</b>	<b>0.8117</b>	<b>2.2100e-003</b>	<b>0.1268</b>	<b>5.2000e-003</b>	<b>0.1320</b>	<b>0.0338</b>	<b>4.7900e-003</b>	<b>0.0386</b>		<b>199.5820</b>	<b>199.5820</b>	<b>6.2800e-003</b>		<b>199.7138</b>

### **3.3 Site Preparation - 2016**

#### Unmitigated Construction On-Site

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



Fugitive Dust					5.7996	0.0000	5.7996	2.9537	0.0000	2.9537			0.0000			0.0000
Off-Road	2.4428	25.7718	16.5144	0.0171		1.3985	1.3985		1.2866	1.2866		1,781.0872	1,781.0872	0.5372		1,792.3693
<b>Total</b>	<b>2.4428</b>	<b>25.7718</b>	<b>16.5144</b>	<b>0.0171</b>	<b>5.7996</b>	<b>1.3985</b>	<b>7.1981</b>	<b>2.9537</b>	<b>1.2866</b>	<b>4.2403</b>		<b>1,781.0872</b>	<b>1,781.0872</b>	<b>0.5372</b>		<b>1,792.3693</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0280	0.0328	0.3579	8.3000e-004	0.0657	4.9000e-004	0.0662	0.0174	4.5000e-004	0.0179		69.4826	69.4826	3.4800e-003		69.5557
<b>Total</b>	<b>0.0280</b>	<b>0.0328</b>	<b>0.3579</b>	<b>8.3000e-004</b>	<b>0.0657</b>	<b>4.9000e-004</b>	<b>0.0662</b>	<b>0.0174</b>	<b>4.5000e-004</b>	<b>0.0179</b>		<b>69.4826</b>	<b>69.4826</b>	<b>3.4800e-003</b>		<b>69.5557</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.2618	0.0000	2.2618	1.1519	0.0000	1.1519			0.0000			0.0000
Off-Road	2.4428	25.7718	16.5144	0.0171		1.3985	1.3985		1.2866	1.2866	0.0000	1,781.0872	1,781.0872	0.5372		1,792.3693
<b>Total</b>	<b>2.4428</b>	<b>25.7718</b>	<b>16.5144</b>	<b>0.0171</b>	<b>2.2618</b>	<b>1.3985</b>	<b>3.6603</b>	<b>1.1519</b>	<b>1.2866</b>	<b>2.4385</b>	<b>0.0000</b>	<b>1,781.0872</b>	<b>1,781.0872</b>	<b>0.5372</b>		<b>1,792.3693</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0280	0.0328	0.3579	8.3000e-004	0.0657	4.9000e-004	0.0662	0.0174	4.5000e-004	0.0179		69.4826	69.4826	3.4800e-003		69.5557
<b>Total</b>	<b>0.0280</b>	<b>0.0328</b>	<b>0.3579</b>	<b>8.3000e-004</b>	<b>0.0657</b>	<b>4.9000e-004</b>	<b>0.0662</b>	<b>0.0174</b>	<b>4.5000e-004</b>	<b>0.0179</b>		<b>69.4826</b>	<b>69.4826</b>	<b>3.4800e-003</b>		<b>69.5557</b>

**3.4 Grading - 2016**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.9143	0.0000	4.9143	2.5256	0.0000	2.5256			0.0000			0.0000
Off-Road	1.9908	21.0361	13.6704	0.0141		1.1407	1.1407		1.0494	1.0494		1,462.8468	1,462.8468	0.4413		1,472.1130
<b>Total</b>	<b>1.9908</b>	<b>21.0361</b>	<b>13.6704</b>	<b>0.0141</b>	<b>4.9143</b>	<b>1.1407</b>	<b>6.0549</b>	<b>2.5256</b>	<b>1.0494</b>	<b>3.5750</b>		<b>1,462.8468</b>	<b>1,462.8468</b>	<b>0.4413</b>		<b>1,472.1130</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day				
	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
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
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
Worker	0.0280	0.0328	0.3579	8.3000e-004	0.0657	4.9000e-004	0.0662	0.0174	4.5000e-004	0.0179	69.4826	69.4826	3.4800e-003	69.5557	
<b>Total</b>	<b>0.0280</b>	<b>0.0328</b>	<b>0.3579</b>	<b>8.3000e-004</b>	<b>0.0657</b>	<b>4.9000e-004</b>	<b>0.0662</b>	<b>0.0174</b>	<b>4.5000e-004</b>	<b>0.0179</b>	<b>69.4826</b>	<b>69.4826</b>	<b>3.4800e-003</b>	<b>69.5557</b>	

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.9166	0.0000	1.9166	0.9850	0.0000	0.9850			0.0000			0.0000
Off-Road	1.9908	21.0361	13.6704	0.0141		1.1407	1.1407		1.0494	1.0494	0.0000	1,462.8468	1,462.8468	0.4413		1,472.1130
<b>Total</b>	<b>1.9908</b>	<b>21.0361</b>	<b>13.6704</b>	<b>0.0141</b>	<b>1.9166</b>	<b>1.1407</b>	<b>3.0573</b>	<b>0.9850</b>	<b>1.0494</b>	<b>2.0344</b>	<b>0.0000</b>	<b>1,462.8468</b>	<b>1,462.8468</b>	<b>0.4413</b>		<b>1,472.1130</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0280	0.0328	0.3579	8.3000e-004	0.0657	4.9000e-004	0.0662	0.0174	4.5000e-004	0.0179		69.4826	69.4826	3.4800e-003		69.5557

<b>Total</b>	<b>0.0280</b>	<b>0.0328</b>	<b>0.3579</b>	<b>8.3000e-004</b>	<b>0.0657</b>	<b>4.9000e-004</b>	<b>0.0662</b>	<b>0.0174</b>	<b>4.5000e-004</b>	<b>0.0179</b>		<b>69.4826</b>	<b>69.4826</b>	<b>3.4800e-003</b>		<b>69.5557</b>
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### 3.5 Building Construction - 2016

#### 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
<b>Category</b>	<b>lb/day</b>										<b>lb/day</b>					
Off-Road	3.2915	20.5459	14.7074	0.0220		1.3656	1.3656		1.3176	1.3176		2,046.9432	2,046.9432	0.4499		2,056.3913
<b>Total</b>	<b>3.2915</b>	<b>20.5459</b>	<b>14.7074</b>	<b>0.0220</b>		<b>1.3656</b>	<b>1.3656</b>		<b>1.3176</b>	<b>1.3176</b>		<b>2,046.9432</b>	<b>2,046.9432</b>	<b>0.4499</b>		<b>2,056.3913</b>

#### 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
<b>Category</b>	<b>lb/day</b>										<b>lb/day</b>					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0313	0.2843	0.3337	7.1000e-004	0.0199	4.3000e-003	0.0242	5.6800e-003	3.9500e-003	9.6300e-003		71.5765	71.5765	5.5000e-004		71.5882
Worker	0.0734	0.0862	0.9395	2.1900e-003	0.1725	1.2900e-003	0.1738	0.0458	1.1900e-003	0.0470		182.3917	182.3917	9.1400e-003		182.5836
<b>Total</b>	<b>0.1047</b>	<b>0.3705</b>	<b>1.2732</b>	<b>2.9000e-003</b>	<b>0.1924</b>	<b>5.5900e-003</b>	<b>0.1980</b>	<b>0.0514</b>	<b>5.1400e-003</b>	<b>0.0566</b>		<b>253.9683</b>	<b>253.9683</b>	<b>9.6900e-003</b>		<b>254.1718</b>

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.2915	20.5459	14.7074	0.0220		1.3656	1.3656		1.3176	1.3176	0.0000	2,046.9432	2,046.9432	0.4499		2,056.3913
<b>Total</b>	<b>3.2915</b>	<b>20.5459</b>	<b>14.7074</b>	<b>0.0220</b>		<b>1.3656</b>	<b>1.3656</b>		<b>1.3176</b>	<b>1.3176</b>	<b>0.0000</b>	<b>2,046.9432</b>	<b>2,046.9432</b>	<b>0.4499</b>		<b>2,056.3913</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0313	0.2843	0.3337	7.1000e-004	0.0199	4.3000e-003	0.0242	5.6800e-003	3.9500e-003	9.6300e-003		71.5765	71.5765	5.5000e-004		71.5882
Worker	0.0734	0.0862	0.9395	2.1900e-003	0.1725	1.2900e-003	0.1738	0.0458	1.1900e-003	0.0470		182.3917	182.3917	9.1400e-003		182.5836
<b>Total</b>	<b>0.1047</b>	<b>0.3705</b>	<b>1.2732</b>	<b>2.9000e-003</b>	<b>0.1924</b>	<b>5.5900e-003</b>	<b>0.1980</b>	<b>0.0514</b>	<b>5.1400e-003</b>	<b>0.0566</b>		<b>253.9683</b>	<b>253.9683</b>	<b>9.6900e-003</b>		<b>254.1718</b>

**3.6 Paving - 2016**

**Unmitigated Construction On-Site**

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

Off-Road	1.2872	13.2076	9.0880	0.0133		0.8075	0.8075		0.7438	0.7438		1,368.4366	1,368.4366	0.4053		1,376.9473
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.2872</b>	<b>13.2076</b>	<b>9.0880</b>	<b>0.0133</b>		<b>0.8075</b>	<b>0.8075</b>		<b>0.7438</b>	<b>0.7438</b>		<b>1,368.4366</b>	<b>1,368.4366</b>	<b>0.4053</b>		<b>1,376.9473</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0454	0.0533	0.5816	1.3500e-003	0.1068	8.0000e-004	0.1076	0.0283	7.4000e-004	0.0291		112.9092	112.9092	5.6600e-003		113.0280
<b>Total</b>	<b>0.0454</b>	<b>0.0533</b>	<b>0.5816</b>	<b>1.3500e-003</b>	<b>0.1068</b>	<b>8.0000e-004</b>	<b>0.1076</b>	<b>0.0283</b>	<b>7.4000e-004</b>	<b>0.0291</b>		<b>112.9092</b>	<b>112.9092</b>	<b>5.6600e-003</b>		<b>113.0280</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2872	13.2076	9.0880	0.0133		0.8075	0.8075		0.7438	0.7438	0.0000	1,368.4366	1,368.4366	0.4053		1,376.9473
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.2872</b>	<b>13.2076</b>	<b>9.0880</b>	<b>0.0133</b>		<b>0.8075</b>	<b>0.8075</b>		<b>0.7438</b>	<b>0.7438</b>	<b>0.0000</b>	<b>1,368.4366</b>	<b>1,368.4366</b>	<b>0.4053</b>		<b>1,376.9473</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0454	0.0533	0.5816	1.3500e-003	0.1068	8.0000e-004	0.1076	0.0283	7.4000e-004	0.0291		112.9092	112.9092	5.6600e-003		113.0280
<b>Total</b>	<b>0.0454</b>	<b>0.0533</b>	<b>0.5816</b>	<b>1.3500e-003</b>	<b>0.1068</b>	<b>8.0000e-004</b>	<b>0.1076</b>	<b>0.0283</b>	<b>7.4000e-004</b>	<b>0.0291</b>		<b>112.9092</b>	<b>112.9092</b>	<b>5.6600e-003</b>		<b>113.0280</b>

**3.7 Architectural Coating - 2016**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	54.4381					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3685	2.3722	1.8839	2.9700e-003		0.1966	0.1966		0.1966	0.1966		281.4481	281.4481	0.0332		282.1449
<b>Total</b>	<b>54.8065</b>	<b>2.3722</b>	<b>1.8839</b>	<b>2.9700e-003</b>		<b>0.1966</b>	<b>0.1966</b>		<b>0.1966</b>	<b>0.1966</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0332</b>		<b>282.1449</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0140	0.0164	0.1790	4.2000e-004	0.0329	2.5000e-004	0.0331	8.7200e-003	2.3000e-004	8.9400e-003		34.7413	34.7413	1.7400e-003		34.7778
<b>Total</b>	<b>0.0140</b>	<b>0.0164</b>	<b>0.1790</b>	<b>4.2000e-004</b>	<b>0.0329</b>	<b>2.5000e-004</b>	<b>0.0331</b>	<b>8.7200e-003</b>	<b>2.3000e-004</b>	<b>8.9400e-003</b>		<b>34.7413</b>	<b>34.7413</b>	<b>1.7400e-003</b>		<b>34.7778</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	54.4381						0.0000	0.0000		0.0000			0.0000			0.0000
Off-Road	0.3685	2.3722	1.8839	2.9700e-003		0.1966	0.1966		0.1966	0.1966	0.0000	281.4481	281.4481	0.0332		282.1449
<b>Total</b>	<b>54.8065</b>	<b>2.3722</b>	<b>1.8839</b>	<b>2.9700e-003</b>		<b>0.1966</b>	<b>0.1966</b>		<b>0.1966</b>	<b>0.1966</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0332</b>		<b>282.1449</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0140	0.0164	0.1790	4.2000e-004	0.0329	2.5000e-004	0.0331	8.7200e-003	2.3000e-004	8.9400e-003		34.7413	34.7413	1.7400e-003		34.7778



Total	0.0140	0.0164	0.1790	4.2000e-004	0.0329	2.5000e-004	0.0331	8.7200e-003	2.3000e-004	8.9400e-003		34.7413	34.7413	1.7400e-003		34.7778
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## Sample Residential Project San Diego County, Winter

### 1.0 Project Characteristics

#### 1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments Low Rise	29.00	Dwelling Unit	1.81	29,000.00	83

#### 1.2 Other Project Characteristics

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.6	<b>Precipitation Freq (Days)</b>	40
<b>Climate Zone</b>	13			<b>Operational Year</b>	2016
<b>Utility Company</b>	San Diego Gas & Electric				
<b>CO2 Intensity (lb/MWhr)</b>	720.49	<b>CH4 Intensity (lb/MWhr)</b>	0.029	<b>N2O Intensity (lb/MWhr)</b>	0.006

#### 1.3 User Entered Comments & Non-Default Data

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	150.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	150.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	150.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	150.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	150
tblAreaCoating	Area_EF_Nonresidential_Interior	250	150
tblAreaCoating	Area_EF_Residential_Exterior	250	150
tblAreaCoating	Area_EF_Residential_Interior	250	150
tblAreaMitigation	UseLowVOCPaintNonresidentialInterior Value	250	150

tblAreaMitigation	UseLowVOCPaintResidentialExteriorValue	250	150
tblAreaMitigation	UseLowVOCPaintResidentialInteriorValue	250	150
tblFireplaces	NumberGas	15.95	26.10
tblFireplaces	NumberWood	10.15	0.00
tblProjectCharacteristics	OperationalYear	2014	2016
tblVehicleTrips	HO_TL	7.50	5.80
tblVehicleTrips	HS_TL	7.30	5.80
tblVehicleTrips	HW_TL	10.80	5.80
tblWoodstoves	NumberCatalytic	1.45	0.00
tblWoodstoves	NumberNoncatalytic	1.45	0.00

## 2.0 Emissions Summary

### 2.1 Overall Construction (Maximum Daily Emission)

#### Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2016	54.8214	28.6504	22.3602	0.0266	5.8653	1.7498	7.2643	2.9711	1.6376	4.2582	0.0000	2,679.6365	2,679.6365	0.6351	0.0000	2,692.9731
<b>Total</b>	<b>54.8214</b>	<b>28.6504</b>	<b>22.3602</b>	<b>0.0266</b>	<b>5.8653</b>	<b>1.7498</b>	<b>7.2643</b>	<b>2.9711</b>	<b>1.6376</b>	<b>4.2582</b>	<b>0.0000</b>	<b>2,679.6365</b>	<b>2,679.6365</b>	<b>0.6351</b>	<b>0.0000</b>	<b>2,692.9731</b>

#### Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2016	54.8214	28.6504	22.3602	0.0266	2.3276	1.7498	3.7265	1.1694	1.6376	2.4564	0.0000	2,679.6365	2,679.6365	0.6351	0.0000	2,692.9731
<b>Total</b>	<b>54.8214</b>	<b>28.6504</b>	<b>22.3602</b>	<b>0.0266</b>	<b>2.3276</b>	<b>1.7498</b>	<b>3.7265</b>	<b>1.1694</b>	<b>1.6376</b>	<b>2.4564</b>	<b>0.0000</b>	<b>2,679.6365</b>	<b>2,679.6365</b>	<b>0.6351</b>	<b>0.0000</b>	<b>2,692.9731</b>

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
<b>Percent Reduction</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>60.32</b>	<b>0.00</b>	<b>48.70</b>	<b>60.64</b>	<b>0.00</b>	<b>42.31</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>

### 3.0 Construction Detail

#### Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2016	1/28/2016	5	20	
2	Site Preparation	Site Preparation	1/29/2016	2/1/2016	5	2	
3	Grading	Grading	2/2/2016	2/5/2016	5	4	
4	Building Construction	Building Construction	2/6/2016	11/11/2016	5	200	
5	Paving	Paving	11/12/2016	11/25/2016	5	10	
6	Architectural Coating	Architectural Coating	11/26/2016	12/9/2016	5	10	

**Acres of Grading (Site Preparation Phase): 1**

**Acres of Grading (Grading Phase): 1.5**

**Acres of Paving: 0**

**Residential Indoor: 58,725; Residential Outdoor: 19,575; Non-Residential Indoor: 0; Non-Residential Outdoor: 0 (Architectural Coating –**

#### OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
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Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	8.00	255	0.40
Demolition	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Site Preparation	Graders	1	8.00	174	0.41
Site Preparation	Rubber Tired Dozers	1	7.00	255	0.40
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Graders	1	6.00	174	0.41
Grading	Rubber Tired Dozers	1	6.00	255	0.40
Grading	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Building Construction	Cranes	1	6.00	226	0.29
Building Construction	Forklifts	1	6.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Welders	3	8.00	46	0.45
Paving	Cement and Mortar Mixers	1	6.00	9	0.56
Paving	Pavers	1	6.00	125	0.42
Paving	Paving Equipment	1	8.00	130	0.36
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

### Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	5	13.00	0.00	23.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	3	8.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	3	8.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	7	21.00	3.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	13.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	4.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

### 3.1 Mitigation Measures Construction

Water Exposed Area

### 3.2 Demolition - 2016

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2492	0.0000	0.2492	0.0377	0.0000	0.0377			0.0000			0.0000
Off-Road	2.9066	28.2579	21.4980	0.0245		1.7445	1.7445		1.6328	1.6328		2,487.1296	2,487.1296	0.6288		2,500.3343
<b>Total</b>	<b>2.9066</b>	<b>28.2579</b>	<b>21.4980</b>	<b>0.0245</b>	<b>0.2492</b>	<b>1.7445</b>	<b>1.9937</b>	<b>0.0377</b>	<b>1.6328</b>	<b>1.6705</b>		<b>2,487.1296</b>	<b>2,487.1296</b>	<b>0.6288</b>		<b>2,500.3343</b>

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0251	0.3327	0.2972	8.6000e-004	0.0200	4.4200e-003	0.0245	5.4900e-003	4.0600e-003	9.5500e-003		86.4696	86.4696	6.2000e-004		86.4827
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0482	0.0598	0.5650	1.2700e-003	0.1068	8.0000e-004	0.1076	0.0283	7.4000e-004	0.0291		106.0373	106.0373	5.6600e-003		106.1561
<b>Total</b>	<b>0.0733</b>	<b>0.3925</b>	<b>0.8622</b>	<b>2.1300e-003</b>	<b>0.1268</b>	<b>5.2200e-003</b>	<b>0.1320</b>	<b>0.0338</b>	<b>4.8000e-003</b>	<b>0.0386</b>		<b>192.5069</b>	<b>192.5069</b>	<b>6.2800e-003</b>		<b>192.6388</b>

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0972	0.0000	0.0972	0.0147	0.0000	0.0147			0.0000			0.0000
Off-Road	2.9066	28.2579	21.4980	0.0245		1.7445	1.7445		1.6328	1.6328	0.0000	2,487.1296	2,487.1296	0.6288		2,500.3343
<b>Total</b>	<b>2.9066</b>	<b>28.2579</b>	<b>21.4980</b>	<b>0.0245</b>	<b>0.0972</b>	<b>1.7445</b>	<b>1.8417</b>	<b>0.0147</b>	<b>1.6328</b>	<b>1.6475</b>	<b>0.0000</b>	<b>2,487.1296</b>	<b>2,487.1296</b>	<b>0.6288</b>		<b>2,500.3343</b>

### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0251	0.3327	0.2972	8.6000e-004	0.0200	4.4200e-003	0.0245	5.4900e-003	4.0600e-003	9.5500e-003		86.4696	86.4696	6.2000e-004		86.4827
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0482	0.0598	0.5650	1.2700e-003	0.1068	8.0000e-004	0.1076	0.0283	7.4000e-004	0.0291		106.0373	106.0373	5.6600e-003		106.1561
<b>Total</b>	<b>0.0733</b>	<b>0.3925</b>	<b>0.8622</b>	<b>2.1300e-003</b>	<b>0.1268</b>	<b>5.2200e-003</b>	<b>0.1320</b>	<b>0.0338</b>	<b>4.8000e-003</b>	<b>0.0386</b>		<b>192.5069</b>	<b>192.5069</b>	<b>6.2800e-003</b>		<b>192.6388</b>

### **3.3 Site Preparation - 2016**

#### Unmitigated Construction On-Site

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

Fugitive Dust					5.7996	0.0000	5.7996	2.9537	0.0000	2.9537			0.0000			0.0000
Off-Road	2.4428	25.7718	16.5144	0.0171		1.3985	1.3985		1.2866	1.2866		1,781.0872	1,781.0872	0.5372		1,792.3693
<b>Total</b>	<b>2.4428</b>	<b>25.7718</b>	<b>16.5144</b>	<b>0.0171</b>	<b>5.7996</b>	<b>1.3985</b>	<b>7.1981</b>	<b>2.9537</b>	<b>1.2866</b>	<b>4.2403</b>		<b>1,781.0872</b>	<b>1,781.0872</b>	<b>0.5372</b>		<b>1,792.3693</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0296	0.0368	0.3477	7.8000e-004	0.0657	4.9000e-004	0.0662	0.0174	4.5000e-004	0.0179		65.2537	65.2537	3.4800e-003		65.3268
<b>Total</b>	<b>0.0296</b>	<b>0.0368</b>	<b>0.3477</b>	<b>7.8000e-004</b>	<b>0.0657</b>	<b>4.9000e-004</b>	<b>0.0662</b>	<b>0.0174</b>	<b>4.5000e-004</b>	<b>0.0179</b>		<b>65.2537</b>	<b>65.2537</b>	<b>3.4800e-003</b>		<b>65.3268</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.2618	0.0000	2.2618	1.1519	0.0000	1.1519			0.0000			0.0000
Off-Road	2.4428	25.7718	16.5144	0.0171		1.3985	1.3985		1.2866	1.2866	0.0000	1,781.0872	1,781.0872	0.5372		1,792.3693
<b>Total</b>	<b>2.4428</b>	<b>25.7718</b>	<b>16.5144</b>	<b>0.0171</b>	<b>2.2618</b>	<b>1.3985</b>	<b>3.6603</b>	<b>1.1519</b>	<b>1.2866</b>	<b>2.4385</b>	<b>0.0000</b>	<b>1,781.0872</b>	<b>1,781.0872</b>	<b>0.5372</b>		<b>1,792.3693</b>



**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0296	0.0368	0.3477	7.8000e-004	0.0657	4.9000e-004	0.0662	0.0174	4.5000e-004	0.0179		65.2537	65.2537	3.4800e-003		65.3268
<b>Total</b>	<b>0.0296</b>	<b>0.0368</b>	<b>0.3477</b>	<b>7.8000e-004</b>	<b>0.0657</b>	<b>4.9000e-004</b>	<b>0.0662</b>	<b>0.0174</b>	<b>4.5000e-004</b>	<b>0.0179</b>		<b>65.2537</b>	<b>65.2537</b>	<b>3.4800e-003</b>		<b>65.3268</b>

**3.4 Grading - 2016**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.9143	0.0000	4.9143	2.5256	0.0000	2.5256			0.0000			0.0000
Off-Road	1.9908	21.0361	13.6704	0.0141		1.1407	1.1407		1.0494	1.0494		1,462.8468	1,462.8468	0.4413		1,472.1130
<b>Total</b>	<b>1.9908</b>	<b>21.0361</b>	<b>13.6704</b>	<b>0.0141</b>	<b>4.9143</b>	<b>1.1407</b>	<b>6.0549</b>	<b>2.5256</b>	<b>1.0494</b>	<b>3.5750</b>		<b>1,462.8468</b>	<b>1,462.8468</b>	<b>0.4413</b>		<b>1,472.1130</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		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
Worker	0.0296	0.0368	0.3477	7.8000e-004	0.0657	4.9000e-004	0.0662	0.0174	4.5000e-004	0.0179		65.2537	65.2537	3.4800e-003		65.3268
<b>Total</b>	<b>0.0296</b>	<b>0.0368</b>	<b>0.3477</b>	<b>7.8000e-004</b>	<b>0.0657</b>	<b>4.9000e-004</b>	<b>0.0662</b>	<b>0.0174</b>	<b>4.5000e-004</b>	<b>0.0179</b>		<b>65.2537</b>	<b>65.2537</b>	<b>3.4800e-003</b>		<b>65.3268</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.9166	0.0000	1.9166	0.9850	0.0000	0.9850			0.0000			0.0000
Off-Road	1.9908	21.0361	13.6704	0.0141		1.1407	1.1407		1.0494	1.0494	0.0000	1,462.8468	1,462.8468	0.4413		1,472.1130
<b>Total</b>	<b>1.9908</b>	<b>21.0361</b>	<b>13.6704</b>	<b>0.0141</b>	<b>1.9166</b>	<b>1.1407</b>	<b>3.0573</b>	<b>0.9850</b>	<b>1.0494</b>	<b>2.0344</b>	<b>0.0000</b>	<b>1,462.8468</b>	<b>1,462.8468</b>	<b>0.4413</b>		<b>1,472.1130</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0296	0.0368	0.3477	7.8000e-004	0.0657	4.9000e-004	0.0662	0.0174	4.5000e-004	0.0179		65.2537	65.2537	3.4800e-003		65.3268

<b>Total</b>	<b>0.0296</b>	<b>0.0368</b>	<b>0.3477</b>	<b>7.8000e-004</b>	<b>0.0657</b>	<b>4.9000e-004</b>	<b>0.0662</b>	<b>0.0174</b>	<b>4.5000e-004</b>	<b>0.0179</b>		<b>65.2537</b>	<b>65.2537</b>	<b>3.4800e-003</b>		<b>65.3268</b>
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### 3.5 Building Construction - 2016

#### 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
<b>Category</b>	<b>lb/day</b>										<b>lb/day</b>					
Off-Road	3.2915	20.5459	14.7074	0.0220		1.3656	1.3656		1.3176	1.3176		2,046.9432	2,046.9432	0.4499		2,056.3913
<b>Total</b>	<b>3.2915</b>	<b>20.5459</b>	<b>14.7074</b>	<b>0.0220</b>		<b>1.3656</b>	<b>1.3656</b>		<b>1.3176</b>	<b>1.3176</b>		<b>2,046.9432</b>	<b>2,046.9432</b>	<b>0.4499</b>		<b>2,056.3913</b>

#### 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
<b>Category</b>	<b>lb/day</b>										<b>lb/day</b>					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0362	0.2912	0.4491	7.1000e-004	0.0199	4.3400e-003	0.0243	5.6800e-003	3.9900e-003	9.6800e-003		71.0278	71.0278	5.7000e-004		71.0397
Worker	0.0778	0.0967	0.9127	2.0500e-003	0.1725	1.2900e-003	0.1738	0.0458	1.1900e-003	0.0470		171.2910	171.2910	9.1400e-003		171.4829
<b>Total</b>	<b>0.1140</b>	<b>0.3879</b>	<b>1.3618</b>	<b>2.7600e-003</b>	<b>0.1924</b>	<b>5.6300e-003</b>	<b>0.1981</b>	<b>0.0514</b>	<b>5.1800e-003</b>	<b>0.0566</b>		<b>242.3188</b>	<b>242.3188</b>	<b>9.7100e-003</b>		<b>242.5226</b>

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.2915	20.5459	14.7074	0.0220		1.3656	1.3656		1.3176	1.3176	0.0000	2,046.9432	2,046.9432	0.4499		2,056.3913
<b>Total</b>	<b>3.2915</b>	<b>20.5459</b>	<b>14.7074</b>	<b>0.0220</b>		<b>1.3656</b>	<b>1.3656</b>		<b>1.3176</b>	<b>1.3176</b>	<b>0.0000</b>	<b>2,046.9432</b>	<b>2,046.9432</b>	<b>0.4499</b>		<b>2,056.3913</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0362	0.2912	0.4491	7.1000e-004	0.0199	4.3400e-003	0.0243	5.6800e-003	3.9900e-003	9.6800e-003		71.0278	71.0278	5.7000e-004		71.0397
Worker	0.0778	0.0967	0.9127	2.0500e-003	0.1725	1.2900e-003	0.1738	0.0458	1.1900e-003	0.0470		171.2910	171.2910	9.1400e-003		171.4829
<b>Total</b>	<b>0.1140</b>	<b>0.3879</b>	<b>1.3618</b>	<b>2.7600e-003</b>	<b>0.1924</b>	<b>5.6300e-003</b>	<b>0.1981</b>	<b>0.0514</b>	<b>5.1800e-003</b>	<b>0.0566</b>		<b>242.3188</b>	<b>242.3188</b>	<b>9.7100e-003</b>		<b>242.5226</b>

**3.6 Paving - 2016**

**Unmitigated Construction On-Site**

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

Off-Road	1.2872	13.2076	9.0880	0.0133		0.8075	0.8075		0.7438	0.7438		1,368.4366	1,368.4366	0.4053		1,376.9473
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.2872</b>	<b>13.2076</b>	<b>9.0880</b>	<b>0.0133</b>		<b>0.8075</b>	<b>0.8075</b>		<b>0.7438</b>	<b>0.7438</b>		<b>1,368.4366</b>	<b>1,368.4366</b>	<b>0.4053</b>		<b>1,376.9473</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0482	0.0598	0.5650	1.2700e-003	0.1068	8.0000e-004	0.1076	0.0283	7.4000e-004	0.0291		106.0373	106.0373	5.6600e-003		106.1561
<b>Total</b>	<b>0.0482</b>	<b>0.0598</b>	<b>0.5650</b>	<b>1.2700e-003</b>	<b>0.1068</b>	<b>8.0000e-004</b>	<b>0.1076</b>	<b>0.0283</b>	<b>7.4000e-004</b>	<b>0.0291</b>		<b>106.0373</b>	<b>106.0373</b>	<b>5.6600e-003</b>		<b>106.1561</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2872	13.2076	9.0880	0.0133		0.8075	0.8075		0.7438	0.7438	0.0000	1,368.4366	1,368.4366	0.4053		1,376.9473
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.2872</b>	<b>13.2076</b>	<b>9.0880</b>	<b>0.0133</b>		<b>0.8075</b>	<b>0.8075</b>		<b>0.7438</b>	<b>0.7438</b>	<b>0.0000</b>	<b>1,368.4366</b>	<b>1,368.4366</b>	<b>0.4053</b>		<b>1,376.9473</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0482	0.0598	0.5650	1.2700e-003	0.1068	8.0000e-004	0.1076	0.0283	7.4000e-004	0.0291		106.0373	106.0373	5.6600e-003		106.1561
<b>Total</b>	<b>0.0482</b>	<b>0.0598</b>	<b>0.5650</b>	<b>1.2700e-003</b>	<b>0.1068</b>	<b>8.0000e-004</b>	<b>0.1076</b>	<b>0.0283</b>	<b>7.4000e-004</b>	<b>0.0291</b>		<b>106.0373</b>	<b>106.0373</b>	<b>5.6600e-003</b>		<b>106.1561</b>

**3.7 Architectural Coating - 2016**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	54.4381					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3685	2.3722	1.8839	2.9700e-003		0.1966	0.1966		0.1966	0.1966		281.4481	281.4481	0.0332		282.1449
<b>Total</b>	<b>54.8065</b>	<b>2.3722</b>	<b>1.8839</b>	<b>2.9700e-003</b>		<b>0.1966</b>	<b>0.1966</b>		<b>0.1966</b>	<b>0.1966</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0332</b>		<b>282.1449</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0148	0.0184	0.1739	3.9000e-004	0.0329	2.5000e-004	0.0331	8.7200e-003	2.3000e-004	8.9400e-003		32.6269	32.6269	1.7400e-003		32.6634
<b>Total</b>	<b>0.0148</b>	<b>0.0184</b>	<b>0.1739</b>	<b>3.9000e-004</b>	<b>0.0329</b>	<b>2.5000e-004</b>	<b>0.0331</b>	<b>8.7200e-003</b>	<b>2.3000e-004</b>	<b>8.9400e-003</b>		<b>32.6269</b>	<b>32.6269</b>	<b>1.7400e-003</b>		<b>32.6634</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	54.4381						0.0000	0.0000		0.0000			0.0000			0.0000
Off-Road	0.3685	2.3722	1.8839	2.9700e-003		0.1966	0.1966		0.1966	0.1966	0.0000	281.4481	281.4481	0.0332		282.1449
<b>Total</b>	<b>54.8065</b>	<b>2.3722</b>	<b>1.8839</b>	<b>2.9700e-003</b>		<b>0.1966</b>	<b>0.1966</b>		<b>0.1966</b>	<b>0.1966</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0332</b>		<b>282.1449</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0148	0.0184	0.1739	3.9000e-004	0.0329	2.5000e-004	0.0331	8.7200e-003	2.3000e-004	8.9400e-003		32.6269	32.6269	1.7400e-003		32.6634

Total	0.0148	0.0184	0.1739	3.9000e-004	0.0329	2.5000e-004	0.0331	8.7200e-003	2.3000e-004	8.9400e-003		32.6269	32.6269	1.7400e-003		32.6634
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## Sample Commercial Project San Diego County, Summer

### 1.0 Project Characteristics

#### 1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Strip Mall	25.00	1000sqft	0.57	25,000.00	0

#### 1.2 Other Project Characteristics

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.6	<b>Precipitation Freq (Days)</b>	40
<b>Climate Zone</b>	13	<b>Operational Year</b>	2016		
<b>Utility Company</b>	San Diego Gas & Electric				
<b>CO2 Intensity (lb/MWhr)</b>	720.49	<b>CH4 Intensity (lb/MWhr)</b>	0.029	<b>N2O Intensity (lb/MWhr)</b>	0.006

#### 1.3 User Entered Comments & Non-Default Data

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	150.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	150.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	150.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	150.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	150
tblAreaMitigation	UseLowVOCPaintNonresidentialInteriorValue	250	150
tblAreaMitigation	UseLowVOCPaintResidentialExteriorValue	250	150
tblAreaMitigation	UseLowVOCPaintResidentialInteriorValue	250	150
tblProjectCharacteristics	OperationalYear	2014	2016

tblVehicleTrips	CC_TL	7.30	5.80
tblVehicleTrips	CNW_TL	7.30	5.80
tblVehicleTrips	CW_TL	9.50	5.80

## 2.0 Emissions Summary

### 2.1 Overall Construction (Maximum Daily Emission)

#### Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2016	69.9005	14.1178	9.6122	0.0148	0.8349	0.9460	1.6394	0.4356	0.8703	1.2035	0.0000	1,453.8096	1,453.8096	0.3597	0.0000	1,461.3636
<b>Total</b>	<b>69.9005</b>	<b>14.1178</b>	<b>9.6122</b>	<b>0.0148</b>	<b>0.8349</b>	<b>0.9460</b>	<b>1.6394</b>	<b>0.4356</b>	<b>0.8703</b>	<b>1.2035</b>	<b>0.0000</b>	<b>1,453.8096</b>	<b>1,453.8096</b>	<b>0.3597</b>	<b>0.0000</b>	<b>1,461.3636</b>

#### Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2016	69.9005	14.1178	9.6122	0.0148	0.3757	0.9460	1.1802	0.1832	0.8703	0.9511	0.0000	1,453.8096	1,453.8096	0.3597	0.0000	1,461.3636
<b>Total</b>	<b>69.9005</b>	<b>14.1178</b>	<b>9.6122</b>	<b>0.0148</b>	<b>0.3757</b>	<b>0.9460</b>	<b>1.1802</b>	<b>0.1832</b>	<b>0.8703</b>	<b>0.9511</b>	<b>0.0000</b>	<b>1,453.8096</b>	<b>1,453.8096</b>	<b>0.3597</b>	<b>0.0000</b>	<b>1,461.3636</b>

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	55.00	0.00	28.01	57.95	0.00	20.97	0.00	0.00	0.00	0.00	0.00	0.00

### 3.0 Construction Detail

#### Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2016	1/14/2016	5	10	
2	Site Preparation	Site Preparation	1/15/2016	1/15/2016	5	1	
3	Grading	Grading	1/16/2016	1/19/2016	5	2	
4	Building Construction	Building Construction	1/20/2016	6/7/2016	5	100	
5	Paving	Paving	6/8/2016	6/14/2016	5	5	
6	Architectural Coating	Architectural Coating	6/15/2016	6/21/2016	5	5	

Acres of Grading (Site Preparation Phase): 0.5

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 37,500; Non-Residential Outdoor: 12,500 (Architectural Coating –

#### OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Cement and Mortar Mixers	4	6.00	9	0.56
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Concrete/Industrial Saws	1	8.00	81	0.73
Building Construction	Cranes	1	4.00	226	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Site Preparation	Graders	1	8.00	174	0.41
Paving	Pavers	1	7.00	125	0.42

Paving	Rollers	1	7.00	80	0.38
Demolition	Rubber Tired Dozers	1	1.00	255	0.40
Grading	Rubber Tired Dozers	1	1.00	255	0.40
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Grading	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Paving	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37

### Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	4	10.00	0.00	23.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	2	5.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	8.00	4.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	2.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

### 3.1 Mitigation Measures Construction

Water Exposed Area

Clean Paved Roads

### 3.2 Demolition - 2016

#### Unmitigated Construction On-Site

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

Fugitive Dust					0.4983	0.0000	0.4983	0.0755	0.0000	0.0755			0.0000			0.0000
Off-Road	1.3122	11.2385	8.7048	0.0120		0.8039	0.8039		0.7674	0.7674		1,193.6106	1,193.6106	0.2386		1,198.6217
<b>Total</b>	<b>1.3122</b>	<b>11.2385</b>	<b>8.7048</b>	<b>0.0120</b>	<b>0.4983</b>	<b>0.8039</b>	<b>1.3022</b>	<b>0.0755</b>	<b>0.7674</b>	<b>0.8428</b>		<b>1,193.6106</b>	<b>1,193.6106</b>	<b>0.2386</b>		<b>1,198.6217</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0451	0.6445	0.4601	1.7200e-003	0.0401	8.8100e-003	0.0489	0.0110	8.1000e-003	0.0191		173.3458	173.3458	1.2300e-003		173.3717
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0350	0.0410	0.4474	1.0400e-003	0.0822	6.2000e-004	0.0828	0.0218	5.7000e-004	0.0224		86.8532	86.8532	4.3500e-003		86.9446
<b>Total</b>	<b>0.0800</b>	<b>0.6856</b>	<b>0.9075</b>	<b>2.7600e-003</b>	<b>0.1222</b>	<b>9.4300e-003</b>	<b>0.1316</b>	<b>0.0328</b>	<b>8.6700e-003</b>	<b>0.0414</b>		<b>260.1990</b>	<b>260.1990</b>	<b>5.5800e-003</b>		<b>260.3163</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.1943	0.0000	0.1943	0.0294	0.0000	0.0294			0.0000			0.0000
Off-Road	1.3122	11.2385	8.7048	0.0120		0.8039	0.8039		0.7674	0.7674	0.0000	1,193.6106	1,193.6106	0.2386		1,198.6217
<b>Total</b>	<b>1.3122</b>	<b>11.2385</b>	<b>8.7048</b>	<b>0.0120</b>	<b>0.1943</b>	<b>0.8039</b>	<b>0.9982</b>	<b>0.0294</b>	<b>0.7674</b>	<b>0.7968</b>	<b>0.0000</b>	<b>1,193.6106</b>	<b>1,193.6106</b>	<b>0.2386</b>		<b>1,198.6217</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0451	0.6445	0.4601	1.7200e-003	0.0401	8.8100e-003	0.0489	0.0110	8.1000e-003	0.0191		173.3458	173.3458	1.2300e-003		173.3717
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0350	0.0410	0.4474	1.0400e-003	0.0822	6.2000e-004	0.0828	0.0218	5.7000e-004	0.0224		86.8532	86.8532	4.3500e-003		86.9446
<b>Total</b>	<b>0.0800</b>	<b>0.6856</b>	<b>0.9075</b>	<b>2.7600e-003</b>	<b>0.1222</b>	<b>9.4300e-003</b>	<b>0.1316</b>	<b>0.0328</b>	<b>8.6700e-003</b>	<b>0.0414</b>		<b>260.1990</b>	<b>260.1990</b>	<b>5.5800e-003</b>		<b>260.3163</b>

**3.3 Site Preparation - 2016**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.5303	0.0000	0.5303	0.0573	0.0000	0.0573			0.0000			0.0000
Off-Road	1.3593	13.6350	7.3401	9.3500e-003		0.8338	0.8338		0.7671	0.7671		973.0842	973.0842	0.2935		979.2481
<b>Total</b>	<b>1.3593</b>	<b>13.6350</b>	<b>7.3401</b>	<b>9.3500e-003</b>	<b>0.5303</b>	<b>0.8338</b>	<b>1.3640</b>	<b>0.0573</b>	<b>0.7671</b>	<b>0.8243</b>		<b>973.0842</b>	<b>973.0842</b>	<b>0.2935</b>		<b>979.2481</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	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	0.0175	0.0205	0.2237	5.2000e-004	0.0411	3.1000e-004	0.0414	0.0109	2.8000e-004	0.0112		43.4266	43.4266	2.1800e-003		43.4723
<b>Total</b>	<b>0.0175</b>	<b>0.0205</b>	<b>0.2237</b>	<b>5.2000e-004</b>	<b>0.0411</b>	<b>3.1000e-004</b>	<b>0.0414</b>	<b>0.0109</b>	<b>2.8000e-004</b>	<b>0.0112</b>		<b>43.4266</b>	<b>43.4266</b>	<b>2.1800e-003</b>		<b>43.4723</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2068	0.0000	0.2068	0.0223	0.0000	0.0223			0.0000			0.0000
Off-Road	1.3593	13.6350	7.3401	9.3500e-003		0.8338	0.8338		0.7671	0.7671	0.0000	973.0842	973.0842	0.2935		979.2481
<b>Total</b>	<b>1.3593</b>	<b>13.6350</b>	<b>7.3401</b>	<b>9.3500e-003</b>	<b>0.2068</b>	<b>0.8338</b>	<b>1.0406</b>	<b>0.0223</b>	<b>0.7671</b>	<b>0.7894</b>	<b>0.0000</b>	<b>973.0842</b>	<b>973.0842</b>	<b>0.2935</b>		<b>979.2481</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0175	0.0205	0.2237	5.2000e-004	0.0411	3.1000e-004	0.0414	0.0109	2.8000e-004	0.0112		43.4266	43.4266	2.1800e-003		43.4723

Total	0.0175	0.0205	0.2237	5.2000e-004	0.0411	3.1000e-004	0.0414	0.0109	2.8000e-004	0.0112		43.4266	43.4266	2.1800e-003		43.4723
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### 3.4 Grading - 2016

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.7528	0.0000	0.7528	0.4138	0.0000	0.4138			0.0000			0.0000
Off-Road	1.3122	11.2385	8.7048	0.0120		0.8039	0.8039		0.7674	0.7674		1,193.6106	1,193.6106	0.2386		1,198.6217
<b>Total</b>	<b>1.3122</b>	<b>11.2385</b>	<b>8.7048</b>	<b>0.0120</b>	<b>0.7528</b>	<b>0.8039</b>	<b>1.5566</b>	<b>0.4138</b>	<b>0.7674</b>	<b>1.1811</b>		<b>1,193.6106</b>	<b>1,193.6106</b>	<b>0.2386</b>		<b>1,198.6217</b>

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0350	0.0410	0.4474	1.0400e-003	0.0822	6.2000e-004	0.0828	0.0218	5.7000e-004	0.0224		86.8532	86.8532	4.3500e-003		86.9446
<b>Total</b>	<b>0.0350</b>	<b>0.0410</b>	<b>0.4474</b>	<b>1.0400e-003</b>	<b>0.0822</b>	<b>6.2000e-004</b>	<b>0.0828</b>	<b>0.0218</b>	<b>5.7000e-004</b>	<b>0.0224</b>		<b>86.8532</b>	<b>86.8532</b>	<b>4.3500e-003</b>		<b>86.9446</b>

#### Mitigated Construction On-Site



	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2936	0.0000	0.2936	0.1614	0.0000	0.1614			0.0000			0.0000
Off-Road	1.3122	11.2385	8.7048	0.0120		0.8039	0.8039		0.7674	0.7674	0.0000	1,193.6106	1,193.6106	0.2386		1,198.6217
<b>Total</b>	<b>1.3122</b>	<b>11.2385</b>	<b>8.7048</b>	<b>0.0120</b>	<b>0.2936</b>	<b>0.8039</b>	<b>1.0975</b>	<b>0.1614</b>	<b>0.7674</b>	<b>0.9287</b>	<b>0.0000</b>	<b>1,193.6106</b>	<b>1,193.6106</b>	<b>0.2386</b>		<b>1,198.6217</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0350	0.0410	0.4474	1.0400e-003	0.0822	6.2000e-004	0.0828	0.0218	5.7000e-004	0.0224		86.8532	86.8532	4.3500e-003		86.9446
<b>Total</b>	<b>0.0350</b>	<b>0.0410</b>	<b>0.4474</b>	<b>1.0400e-003</b>	<b>0.0822</b>	<b>6.2000e-004</b>	<b>0.0828</b>	<b>0.0218</b>	<b>5.7000e-004</b>	<b>0.0224</b>		<b>86.8532</b>	<b>86.8532</b>	<b>4.3500e-003</b>		<b>86.9446</b>

**3.5 Building Construction - 2016**

**Unmitigated Construction On-Site**

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

Off-Road	1.3816	13.7058	8.2122	0.0113		0.9398	0.9398		0.8646	0.8646		1,178.5549	1,178.5549	0.3555		1,186.0202
<b>Total</b>	<b>1.3816</b>	<b>13.7058</b>	<b>8.2122</b>	<b>0.0113</b>		<b>0.9398</b>	<b>0.9398</b>		<b>0.8646</b>	<b>0.8646</b>		<b>1,178.5549</b>	<b>1,178.5549</b>	<b>0.3555</b>		<b>1,186.0202</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0417	0.3791	0.4450	9.5000e-004	0.0266	5.7300e-003	0.0323	7.5700e-003	5.2700e-003	0.0129		95.4354	95.4354	7.4000e-004		95.4509
Worker	0.0280	0.0328	0.3579	8.3000e-004	0.0657	4.9000e-004	0.0662	0.0174	4.5000e-004	0.0179		69.4826	69.4826	3.4800e-003		69.5557
<b>Total</b>	<b>0.0697</b>	<b>0.4119</b>	<b>0.8029</b>	<b>1.7800e-003</b>	<b>0.0923</b>	<b>6.2200e-003</b>	<b>0.0985</b>	<b>0.0250</b>	<b>5.7200e-003</b>	<b>0.0307</b>		<b>164.9179</b>	<b>164.9179</b>	<b>4.2200e-003</b>		<b>165.0065</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3816	13.7058	8.2122	0.0113		0.9398	0.9398		0.8646	0.8646	0.0000	1,178.5549	1,178.5549	0.3555		1,186.0202
<b>Total</b>	<b>1.3816</b>	<b>13.7058</b>	<b>8.2122</b>	<b>0.0113</b>		<b>0.9398</b>	<b>0.9398</b>		<b>0.8646</b>	<b>0.8646</b>	<b>0.0000</b>	<b>1,178.5549</b>	<b>1,178.5549</b>	<b>0.3555</b>		<b>1,186.0202</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0417	0.3791	0.4450	9.5000e-004	0.0266	5.7300e-003	0.0323	7.5700e-003	5.2700e-003	0.0129		95.4354	95.4354	7.4000e-004		95.4509
Worker	0.0280	0.0328	0.3579	8.3000e-004	0.0657	4.9000e-004	0.0662	0.0174	4.5000e-004	0.0179		69.4826	69.4826	3.4800e-003		69.5557
<b>Total</b>	<b>0.0697</b>	<b>0.4119</b>	<b>0.8029</b>	<b>1.7800e-003</b>	<b>0.0923</b>	<b>6.2200e-003</b>	<b>0.0985</b>	<b>0.0250</b>	<b>5.7200e-003</b>	<b>0.0307</b>		<b>164.9179</b>	<b>164.9179</b>	<b>4.2200e-003</b>		<b>165.0065</b>

**3.6 Paving - 2016**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1203	10.6282	7.2935	0.0111		0.6606	0.6606		0.6113	0.6113		1,083.5832	1,083.5832	0.2969		1,089.8175
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.1203</b>	<b>10.6282</b>	<b>7.2935</b>	<b>0.0111</b>		<b>0.6606</b>	<b>0.6606</b>		<b>0.6113</b>	<b>0.6113</b>		<b>1,083.5832</b>	<b>1,083.5832</b>	<b>0.2969</b>		<b>1,089.8175</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	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	0.0629	0.0738	0.8053	1.8700e-003	0.1479	1.1100e-003	0.1490	0.0392	1.0200e-003	0.0402		156.3358	156.3358	7.8300e-003		156.5002
<b>Total</b>	<b>0.0629</b>	<b>0.0738</b>	<b>0.8053</b>	<b>1.8700e-003</b>	<b>0.1479</b>	<b>1.1100e-003</b>	<b>0.1490</b>	<b>0.0392</b>	<b>1.0200e-003</b>	<b>0.0402</b>		<b>156.3358</b>	<b>156.3358</b>	<b>7.8300e-003</b>		<b>156.5002</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1203	10.6282	7.2935	0.0111		0.6606	0.6606		0.6113	0.6113	0.0000	1,083.5832	1,083.5832	0.2969		1,089.8175
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.1203</b>	<b>10.6282</b>	<b>7.2935</b>	<b>0.0111</b>		<b>0.6606</b>	<b>0.6606</b>		<b>0.6113</b>	<b>0.6113</b>	<b>0.0000</b>	<b>1,083.5832</b>	<b>1,083.5832</b>	<b>0.2969</b>		<b>1,089.8175</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0629	0.0738	0.8053	1.8700e-003	0.1479	1.1100e-003	0.1490	0.0392	1.0200e-003	0.0402		156.3358	156.3358	7.8300e-003		156.5002

Total	0.0629	0.0738	0.8053	1.8700e-003	0.1479	1.1100e-003	0.1490	0.0392	1.0200e-003	0.0402		156.3358	156.3358	7.8300e-003		156.5002
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### 3.7 Architectural Coating - 2016

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	69.5250					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3685	2.3722	1.8839	2.9700e-003		0.1966	0.1966		0.1966	0.1966		281.4481	281.4481	0.0332		282.1449
<b>Total</b>	<b>69.8935</b>	<b>2.3722</b>	<b>1.8839</b>	<b>2.9700e-003</b>		<b>0.1966</b>	<b>0.1966</b>		<b>0.1966</b>	<b>0.1966</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0332</b>		<b>282.1449</b>

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	6.9900e-003	8.2000e-003	0.0895	2.1000e-004	0.0164	1.2000e-004	0.0166	4.3600e-003	1.1000e-004	4.4700e-003		17.3706	17.3706	8.7000e-004		17.3889
<b>Total</b>	<b>6.9900e-003</b>	<b>8.2000e-003</b>	<b>0.0895</b>	<b>2.1000e-004</b>	<b>0.0164</b>	<b>1.2000e-004</b>	<b>0.0166</b>	<b>4.3600e-003</b>	<b>1.1000e-004</b>	<b>4.4700e-003</b>		<b>17.3706</b>	<b>17.3706</b>	<b>8.7000e-004</b>		<b>17.3889</b>

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	69.5250					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3685	2.3722	1.8839	2.9700e-003		0.1966	0.1966		0.1966	0.1966	0.0000	281.4481	281.4481	0.0332		282.1449
<b>Total</b>	<b>69.8935</b>	<b>2.3722</b>	<b>1.8839</b>	<b>2.9700e-003</b>		<b>0.1966</b>	<b>0.1966</b>		<b>0.1966</b>	<b>0.1966</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0332</b>		<b>282.1449</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	6.9900e-003	8.2000e-003	0.0895	2.1000e-004	0.0164	1.2000e-004	0.0166	4.3600e-003	1.1000e-004	4.4700e-003		17.3706	17.3706	8.7000e-004		17.3889
<b>Total</b>	<b>6.9900e-003</b>	<b>8.2000e-003</b>	<b>0.0895</b>	<b>2.1000e-004</b>	<b>0.0164</b>	<b>1.2000e-004</b>	<b>0.0166</b>	<b>4.3600e-003</b>	<b>1.1000e-004</b>	<b>4.4700e-003</b>		<b>17.3706</b>	<b>17.3706</b>	<b>8.7000e-004</b>		<b>17.3889</b>

## Sample Commercial Project San Diego County, Winter

### 1.0 Project Characteristics

#### 1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Strip Mall	25.00	1000sqft	0.57	25,000.00	0

#### 1.2 Other Project Characteristics

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.6	<b>Precipitation Freq (Days)</b>	40
<b>Climate Zone</b>	13			<b>Operational Year</b>	2016
<b>Utility Company</b>	San Diego Gas & Electric				
<b>CO2 Intensity (lb/MWhr)</b>	720.49	<b>CH4 Intensity (lb/MWhr)</b>	0.029	<b>N2O Intensity (lb/MWhr)</b>	0.006

#### 1.3 User Entered Comments & Non-Default Data

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	150.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	150.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	150.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	150.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	150
tblAreaMitigation	UseLowVOCPaintNonresidentialInteriorValue	250	150
tblAreaMitigation	UseLowVOCPaintResidentialExteriorValue	250	150
tblAreaMitigation	UseLowVOCPaintResidentialInteriorValue	250	150
tblProjectCharacteristics	OperationalYear	2014	2016

tblVehicleTrips	CC_TL	7.30	5.80
tblVehicleTrips	CNW_TL	7.30	5.80
tblVehicleTrips	CW_TL	9.50	5.80

## 2.0 Emissions Summary

### 2.1 Overall Construction (Maximum Daily Emission)

#### Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2016	69.9009	14.1309	9.7338	0.0147	0.8349	0.9461	1.6394	0.4356	0.8704	1.2035	0.0000	1,448.1170	1,448.1170	0.3597	0.0000	1,455.6714
<b>Total</b>	<b>69.9009</b>	<b>14.1309</b>	<b>9.7338</b>	<b>0.0147</b>	<b>0.8349</b>	<b>0.9461</b>	<b>1.6394</b>	<b>0.4356</b>	<b>0.8704</b>	<b>1.2035</b>	<b>0.0000</b>	<b>1,448.1170</b>	<b>1,448.1170</b>	<b>0.3597</b>	<b>0.0000</b>	<b>1,455.6714</b>

#### Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2016	69.9009	14.1309	9.7338	0.0147	0.3757	0.9461	1.1802	0.1832	0.8704	0.9511	0.0000	1,448.1170	1,448.1170	0.3597	0.0000	1,455.6714
<b>Total</b>	<b>69.9009</b>	<b>14.1309</b>	<b>9.7338</b>	<b>0.0147</b>	<b>0.3757</b>	<b>0.9461</b>	<b>1.1802</b>	<b>0.1832</b>	<b>0.8704</b>	<b>0.9511</b>	<b>0.0000</b>	<b>1,448.1170</b>	<b>1,448.1170</b>	<b>0.3597</b>	<b>0.0000</b>	<b>1,455.6714</b>



	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	55.00	0.00	28.01	57.95	0.00	20.97	0.00	0.00	0.00	0.00	0.00	0.00

### 3.0 Construction Detail

#### Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2016	1/14/2016	5	10	
2	Site Preparation	Site Preparation	1/15/2016	1/15/2016	5	1	
3	Grading	Grading	1/16/2016	1/19/2016	5	2	
4	Building Construction	Building Construction	1/20/2016	6/7/2016	5	100	
5	Paving	Paving	6/8/2016	6/14/2016	5	5	
6	Architectural Coating	Architectural Coating	6/15/2016	6/21/2016	5	5	

Acres of Grading (Site Preparation Phase): 0.5

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 37,500; Non-Residential Outdoor: 12,500 (Architectural Coating –

#### OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Cement and Mortar Mixers	4	6.00	9	0.56
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Concrete/Industrial Saws	1	8.00	81	0.73
Building Construction	Cranes	1	4.00	226	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Site Preparation	Graders	1	8.00	174	0.41
Paving	Pavers	1	7.00	125	0.42

Paving	Rollers	1	7.00	80	0.38
Demolition	Rubber Tired Dozers	1	1.00	255	0.40
Grading	Rubber Tired Dozers	1	1.00	255	0.40
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Grading	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Paving	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37

### Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	4	10.00	0.00	23.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	2	5.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	8.00	4.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	2.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

### 3.1 Mitigation Measures Construction

Water Exposed Area

Clean Paved Roads

### 3.2 Demolition - 2016

#### Unmitigated Construction On-Site

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

Fugitive Dust					0.4983	0.0000	0.4983	0.0755	0.0000	0.0755			0.0000			0.0000
Off-Road	1.3122	11.2385	8.7048	0.0120		0.8039	0.8039		0.7674	0.7674		1,193.6106	1,193.6106	0.2386		1,198.6217
<b>Total</b>	<b>1.3122</b>	<b>11.2385</b>	<b>8.7048</b>	<b>0.0120</b>	<b>0.4983</b>	<b>0.8039</b>	<b>1.3022</b>	<b>0.0755</b>	<b>0.7674</b>	<b>0.8428</b>		<b>1,193.6106</b>	<b>1,193.6106</b>	<b>0.2386</b>		<b>1,198.6217</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0502	0.6653	0.5944	1.7200e-003	0.0401	8.8300e-003	0.0489	0.0110	8.1200e-003	0.0191		172.9392	172.9392	1.2500e-003		172.9655
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0371	0.0460	0.4346	9.8000e-004	0.0822	6.2000e-004	0.0828	0.0218	5.7000e-004	0.0224		81.5671	81.5671	4.3500e-003		81.6585
<b>Total</b>	<b>0.0872</b>	<b>0.7114</b>	<b>1.0290</b>	<b>2.7000e-003</b>	<b>0.1222</b>	<b>9.4500e-003</b>	<b>0.1317</b>	<b>0.0328</b>	<b>8.6900e-003</b>	<b>0.0415</b>		<b>254.5064</b>	<b>254.5064</b>	<b>5.6000e-003</b>		<b>254.6240</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.1943	0.0000	0.1943	0.0294	0.0000	0.0294			0.0000			0.0000
Off-Road	1.3122	11.2385	8.7048	0.0120		0.8039	0.8039		0.7674	0.7674	0.0000	1,193.6106	1,193.6106	0.2386		1,198.6217
<b>Total</b>	<b>1.3122</b>	<b>11.2385</b>	<b>8.7048</b>	<b>0.0120</b>	<b>0.1943</b>	<b>0.8039</b>	<b>0.9982</b>	<b>0.0294</b>	<b>0.7674</b>	<b>0.7968</b>	<b>0.0000</b>	<b>1,193.6106</b>	<b>1,193.6106</b>	<b>0.2386</b>		<b>1,198.6217</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0502	0.6653	0.5944	1.7200e-003	0.0401	8.8300e-003	0.0489	0.0110	8.1200e-003	0.0191		172.9392	172.9392	1.2500e-003		172.9655
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0371	0.0460	0.4346	9.8000e-004	0.0822	6.2000e-004	0.0828	0.0218	5.7000e-004	0.0224		81.5671	81.5671	4.3500e-003		81.6585
<b>Total</b>	<b>0.0872</b>	<b>0.7114</b>	<b>1.0290</b>	<b>2.7000e-003</b>	<b>0.1222</b>	<b>9.4500e-003</b>	<b>0.1317</b>	<b>0.0328</b>	<b>8.6900e-003</b>	<b>0.0415</b>		<b>254.5064</b>	<b>254.5064</b>	<b>5.6000e-003</b>		<b>254.6240</b>

**3.3 Site Preparation - 2016**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.5303	0.0000	0.5303	0.0573	0.0000	0.0573			0.0000			0.0000
Off-Road	1.3593	13.6350	7.3401	9.3500e-003		0.8338	0.8338		0.7671	0.7671		973.0842	973.0842	0.2935		979.2481
<b>Total</b>	<b>1.3593</b>	<b>13.6350</b>	<b>7.3401</b>	<b>9.3500e-003</b>	<b>0.5303</b>	<b>0.8338</b>	<b>1.3640</b>	<b>0.0573</b>	<b>0.7671</b>	<b>0.8243</b>		<b>973.0842</b>	<b>973.0842</b>	<b>0.2935</b>		<b>979.2481</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	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	0.0185	0.0230	0.2173	4.9000e-004	0.0411	3.1000e-004	0.0414	0.0109	2.8000e-004	0.0112		40.7836	40.7836	2.1800e-003		40.8293
<b>Total</b>	<b>0.0185</b>	<b>0.0230</b>	<b>0.2173</b>	<b>4.9000e-004</b>	<b>0.0411</b>	<b>3.1000e-004</b>	<b>0.0414</b>	<b>0.0109</b>	<b>2.8000e-004</b>	<b>0.0112</b>		<b>40.7836</b>	<b>40.7836</b>	<b>2.1800e-003</b>		<b>40.8293</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2068	0.0000	0.2068	0.0223	0.0000	0.0223			0.0000			0.0000
Off-Road	1.3593	13.6350	7.3401	9.3500e-003		0.8338	0.8338		0.7671	0.7671	0.0000	973.0842	973.0842	0.2935		979.2481
<b>Total</b>	<b>1.3593</b>	<b>13.6350</b>	<b>7.3401</b>	<b>9.3500e-003</b>	<b>0.2068</b>	<b>0.8338</b>	<b>1.0406</b>	<b>0.0223</b>	<b>0.7671</b>	<b>0.7894</b>	<b>0.0000</b>	<b>973.0842</b>	<b>973.0842</b>	<b>0.2935</b>		<b>979.2481</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0185	0.0230	0.2173	4.9000e-004	0.0411	3.1000e-004	0.0414	0.0109	2.8000e-004	0.0112		40.7836	40.7836	2.1800e-003		40.8293

<b>Total</b>	<b>0.0185</b>	<b>0.0230</b>	<b>0.2173</b>	<b>4.9000e-004</b>	<b>0.0411</b>	<b>3.1000e-004</b>	<b>0.0414</b>	<b>0.0109</b>	<b>2.8000e-004</b>	<b>0.0112</b>		<b>40.7836</b>	<b>40.7836</b>	<b>2.1800e-003</b>		<b>40.8293</b>
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### 3.4 Grading - 2016

#### 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
<b>Category</b>	<b>lb/day</b>										<b>lb/day</b>					
Fugitive Dust					0.7528	0.0000	0.7528	0.4138	0.0000	0.4138			0.0000			0.0000
Off-Road	1.3122	11.2385	8.7048	0.0120		0.8039	0.8039		0.7674	0.7674		1,193.6106	1,193.6106	0.2386		1,198.6217
<b>Total</b>	<b>1.3122</b>	<b>11.2385</b>	<b>8.7048</b>	<b>0.0120</b>	<b>0.7528</b>	<b>0.8039</b>	<b>1.5566</b>	<b>0.4138</b>	<b>0.7674</b>	<b>1.1811</b>		<b>1,193.6106</b>	<b>1,193.6106</b>	<b>0.2386</b>		<b>1,198.6217</b>

#### 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
<b>Category</b>	<b>lb/day</b>										<b>lb/day</b>					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0371	0.0460	0.4346	9.8000e-004	0.0822	6.2000e-004	0.0828	0.0218	5.7000e-004	0.0224		81.5671	81.5671	4.3500e-003		81.6585
<b>Total</b>	<b>0.0371</b>	<b>0.0460</b>	<b>0.4346</b>	<b>9.8000e-004</b>	<b>0.0822</b>	<b>6.2000e-004</b>	<b>0.0828</b>	<b>0.0218</b>	<b>5.7000e-004</b>	<b>0.0224</b>		<b>81.5671</b>	<b>81.5671</b>	<b>4.3500e-003</b>		<b>81.6585</b>

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2936	0.0000	0.2936	0.1614	0.0000	0.1614			0.0000			0.0000
Off-Road	1.3122	11.2385	8.7048	0.0120		0.8039	0.8039		0.7674	0.7674	0.0000	1,193.6106	1,193.6106	0.2386		1,198.6217
<b>Total</b>	<b>1.3122</b>	<b>11.2385</b>	<b>8.7048</b>	<b>0.0120</b>	<b>0.2936</b>	<b>0.8039</b>	<b>1.0975</b>	<b>0.1614</b>	<b>0.7674</b>	<b>0.9287</b>	<b>0.0000</b>	<b>1,193.6106</b>	<b>1,193.6106</b>	<b>0.2386</b>		<b>1,198.6217</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0371	0.0460	0.4346	9.8000e-004	0.0822	6.2000e-004	0.0828	0.0218	5.7000e-004	0.0224		81.5671	81.5671	4.3500e-003		81.6585
<b>Total</b>	<b>0.0371</b>	<b>0.0460</b>	<b>0.4346</b>	<b>9.8000e-004</b>	<b>0.0822</b>	<b>6.2000e-004</b>	<b>0.0828</b>	<b>0.0218</b>	<b>5.7000e-004</b>	<b>0.0224</b>		<b>81.5671</b>	<b>81.5671</b>	<b>4.3500e-003</b>		<b>81.6585</b>

**3.5 Building Construction - 2016**

**Unmitigated Construction On-Site**

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

Off-Road	1.3816	13.7058	8.2122	0.0113		0.9398	0.9398		0.8646	0.8646		1,178.5549	1,178.5549	0.3555		1,186.0202
<b>Total</b>	<b>1.3816</b>	<b>13.7058</b>	<b>8.2122</b>	<b>0.0113</b>		<b>0.9398</b>	<b>0.9398</b>		<b>0.8646</b>	<b>0.8646</b>		<b>1,178.5549</b>	<b>1,178.5549</b>	<b>0.3555</b>		<b>1,186.0202</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0483	0.3883	0.5989	9.5000e-004	0.0266	5.7900e-003	0.0323	7.5700e-003	5.3300e-003	0.0129		94.7037	94.7037	7.6000e-004		94.7196
Worker	0.0296	0.0368	0.3477	7.8000e-004	0.0657	4.9000e-004	0.0662	0.0174	4.5000e-004	0.0179		65.2537	65.2537	3.4800e-003		65.3268
<b>Total</b>	<b>0.0779</b>	<b>0.4251</b>	<b>0.9466</b>	<b>1.7300e-003</b>	<b>0.0923</b>	<b>6.2800e-003</b>	<b>0.0986</b>	<b>0.0250</b>	<b>5.7800e-003</b>	<b>0.0308</b>		<b>159.9574</b>	<b>159.9574</b>	<b>4.2400e-003</b>		<b>160.0464</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3816	13.7058	8.2122	0.0113		0.9398	0.9398		0.8646	0.8646	0.0000	1,178.5549	1,178.5549	0.3555		1,186.0202
<b>Total</b>	<b>1.3816</b>	<b>13.7058</b>	<b>8.2122</b>	<b>0.0113</b>		<b>0.9398</b>	<b>0.9398</b>		<b>0.8646</b>	<b>0.8646</b>	<b>0.0000</b>	<b>1,178.5549</b>	<b>1,178.5549</b>	<b>0.3555</b>		<b>1,186.0202</b>



**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0483	0.3883	0.5989	9.5000e-004	0.0266	5.7900e-003	0.0323	7.5700e-003	5.3300e-003	0.0129		94.7037	94.7037	7.6000e-004		94.7196
Worker	0.0296	0.0368	0.3477	7.8000e-004	0.0657	4.9000e-004	0.0662	0.0174	4.5000e-004	0.0179		65.2537	65.2537	3.4800e-003		65.3268
<b>Total</b>	<b>0.0779</b>	<b>0.4251</b>	<b>0.9466</b>	<b>1.7300e-003</b>	<b>0.0923</b>	<b>6.2800e-003</b>	<b>0.0986</b>	<b>0.0250</b>	<b>5.7800e-003</b>	<b>0.0308</b>		<b>159.9574</b>	<b>159.9574</b>	<b>4.2400e-003</b>		<b>160.0464</b>

**3.6 Paving - 2016**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1203	10.6282	7.2935	0.0111		0.6606	0.6606		0.6113	0.6113		1,083.5832	1,083.5832	0.2969		1,089.8175
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.1203</b>	<b>10.6282</b>	<b>7.2935</b>	<b>0.0111</b>		<b>0.6606</b>	<b>0.6606</b>		<b>0.6113</b>	<b>0.6113</b>		<b>1,083.5832</b>	<b>1,083.5832</b>	<b>0.2969</b>		<b>1,089.8175</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	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	0.0667	0.0829	0.7823	1.7600e-003	0.1479	1.1100e-003	0.1490	0.0392	1.0200e-003	0.0402	146.8209	146.8209	7.8300e-003		146.9854	
<b>Total</b>	<b>0.0667</b>	<b>0.0829</b>	<b>0.7823</b>	<b>1.7600e-003</b>	<b>0.1479</b>	<b>1.1100e-003</b>	<b>0.1490</b>	<b>0.0392</b>	<b>1.0200e-003</b>	<b>0.0402</b>	<b>146.8209</b>	<b>146.8209</b>	<b>7.8300e-003</b>		<b>146.9854</b>	

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1203	10.6282	7.2935	0.0111		0.6606	0.6606		0.6113	0.6113	0.0000	1,083.5832	1,083.5832	0.2969		1,089.8175
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.1203</b>	<b>10.6282</b>	<b>7.2935</b>	<b>0.0111</b>		<b>0.6606</b>	<b>0.6606</b>		<b>0.6113</b>	<b>0.6113</b>	<b>0.0000</b>	<b>1,083.5832</b>	<b>1,083.5832</b>	<b>0.2969</b>		<b>1,089.8175</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0667	0.0829	0.7823	1.7600e-003	0.1479	1.1100e-003	0.1490	0.0392	1.0200e-003	0.0402	146.8209	146.8209	7.8300e-003			146.9854

Total	0.0667	0.0829	0.7823	1.7600e-003	0.1479	1.1100e-003	0.1490	0.0392	1.0200e-003	0.0402		146.8209	146.8209	7.8300e-003		146.9854
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### 3.7 Architectural Coating - 2016

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	69.5250					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3685	2.3722	1.8839	2.9700e-003		0.1966	0.1966		0.1966	0.1966		281.4481	281.4481	0.0332		282.1449
<b>Total</b>	<b>69.8935</b>	<b>2.3722</b>	<b>1.8839</b>	<b>2.9700e-003</b>		<b>0.1966</b>	<b>0.1966</b>		<b>0.1966</b>	<b>0.1966</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0332</b>		<b>282.1449</b>

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	7.4100e-003	9.2100e-003	0.0869	2.0000e-004	0.0164	1.2000e-004	0.0166	4.3600e-003	1.1000e-004	4.4700e-003		16.3134	16.3134	8.7000e-004		16.3317
<b>Total</b>	<b>7.4100e-003</b>	<b>9.2100e-003</b>	<b>0.0869</b>	<b>2.0000e-004</b>	<b>0.0164</b>	<b>1.2000e-004</b>	<b>0.0166</b>	<b>4.3600e-003</b>	<b>1.1000e-004</b>	<b>4.4700e-003</b>		<b>16.3134</b>	<b>16.3134</b>	<b>8.7000e-004</b>		<b>16.3317</b>

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	69.5250					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3685	2.3722	1.8839	2.9700e-003		0.1966	0.1966		0.1966	0.1966	0.0000	281.4481	281.4481	0.0332		282.1449
<b>Total</b>	<b>69.8935</b>	<b>2.3722</b>	<b>1.8839</b>	<b>2.9700e-003</b>		<b>0.1966</b>	<b>0.1966</b>		<b>0.1966</b>	<b>0.1966</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0332</b>		<b>282.1449</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	7.4100e-003	9.2100e-003	0.0869	2.0000e-004	0.0164	1.2000e-004	0.0166	4.3600e-003	1.1000e-004	4.4700e-003		16.3134	16.3134	8.7000e-004		16.3317
<b>Total</b>	<b>7.4100e-003</b>	<b>9.2100e-003</b>	<b>0.0869</b>	<b>2.0000e-004</b>	<b>0.0164</b>	<b>1.2000e-004</b>	<b>0.0166</b>	<b>4.3600e-003</b>	<b>1.1000e-004</b>	<b>4.4700e-003</b>		<b>16.3134</b>	<b>16.3134</b>	<b>8.7000e-004</b>		<b>16.3317</b>

## Sample Industrial Project San Diego County, Summer

### 1.0 Project Characteristics

#### 1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	65.00	1000sqft	1.49	65,000.00	0

#### 1.2 Other Project Characteristics

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.6	<b>Precipitation Freq (Days)</b>	40
<b>Climate Zone</b>	13	<b>Operational Year</b>	2016		
<b>Utility Company</b>	San Diego Gas & Electric				
<b>CO2 Intensity (lb/MWhr)</b>	720.49	<b>CH4 Intensity (lb/MWhr)</b>	0.029	<b>N2O Intensity (lb/MWhr)</b>	0.006

#### 1.3 User Entered Comments & Non-Default Data

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	150.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	150.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	150.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	150.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	150
tblAreaCoating	Area_EF_Nonresidential_Interior	250	150
tblAreaCoating	Area_EF_Residential_Exterior	250	150
tblAreaCoating	Area_EF_Residential_Interior	250	150
tblAreaMitigation	UseLowVOCPaintNonresidentialInterior Value	250	150

tblAreaMitigation	UseLowVOCPaintResidentialExteriorValue	250	150
tblAreaMitigation	UseLowVOCPaintResidentialInteriorValue	250	150
tblProjectCharacteristics	OperationalYear	2014	2016
tblVehicleTrips	CC_TL	7.30	5.80
tblVehicleTrips	CNW_TL	7.30	5.80
tblVehicleTrips	CW_TL	9.50	5.80

## 2.0 Emissions Summary

### 2.1 Overall Construction (Maximum Daily Emission)

#### Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2016	90.7684	28.6335	22.3096	0.0274	5.8653	1.7497	7.2643	2.9711	1.6375	4.2582	0.0000	2,686.7116	2,686.7116	0.6351	0.0000	2,700.0481
<b>Total</b>	<b>90.7684</b>	<b>28.6335</b>	<b>22.3096</b>	<b>0.0274</b>	<b>5.8653</b>	<b>1.7497</b>	<b>7.2643</b>	<b>2.9711</b>	<b>1.6375</b>	<b>4.2582</b>	<b>0.0000</b>	<b>2,686.7116</b>	<b>2,686.7116</b>	<b>0.6351</b>	<b>0.0000</b>	<b>2,700.0481</b>

#### Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2016	90.7684	28.6335	22.3096	0.0274	2.3276	1.7497	3.7265	1.1694	1.6375	2.4564	0.0000	2,686.7116	2,686.7116	0.6351	0.0000	2,700.0481

Total	90.7684	28.6335	22.3096	0.0274	2.3276	1.7497	3.7265	1.1694	1.6375	2.4564	0.0000	2,686.7116	2,686.7116	0.6351	0.0000	2,700.0481
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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	60.32	0.00	48.70	60.64	0.00	42.31	0.00	0.00	0.00	0.00	0.00	0.00

### 3.0 Construction Detail

#### Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2016	1/28/2016	5	20	
2	Site Preparation	Site Preparation	1/29/2016	2/1/2016	5	2	
3	Grading	Grading	2/2/2016	2/5/2016	5	4	
4	Building Construction	Building Construction	2/6/2016	11/11/2016	5	200	
5	Paving	Paving	11/12/2016	11/25/2016	5	10	
6	Architectural Coating	Architectural Coating	11/26/2016	12/9/2016	5	10	

Acres of Grading (Site Preparation Phase): 1

Acres of Grading (Grading Phase): 1.5

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 97,500; Non-Residential Outdoor: 32,500 (Architectural Coating –

#### OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Cement and Mortar Mixers	1	6.00	9	0.56
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Cranes	1	6.00	226	0.29

Building Construction	Forklifts	1	6.00	89	0.20
Site Preparation	Graders	1	8.00	174	0.41
Paving	Pavers	1	6.00	125	0.42
Paving	Rollers	1	7.00	80	0.38
Demolition	Rubber Tired Dozers	1	8.00	255	0.40
Grading	Rubber Tired Dozers	1	6.00	255	0.40
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Demolition	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Grading	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Graders	1	6.00	174	0.41
Paving	Paving Equipment	1	8.00	130	0.36
Site Preparation	Rubber Tired Dozers	1	7.00	255	0.40
Building Construction	Welders	3	8.00	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
Demolition	5	13.00	0.00	23.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	3	8.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	3	8.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	7	27.00	11.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	13.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	5.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

### 3.1 Mitigation Measures Construction

Water Exposed Area

Clean Paved Roads



### 3.2 Demolition - 2016

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2492	0.0000	0.2492	0.0377	0.0000	0.0377			0.0000			0.0000
Off-Road	2.9066	28.2579	21.4980	0.0245		1.7445	1.7445		1.6328	1.6328		2,487.1296	2,487.1296	0.6288		2,500.3343
<b>Total</b>	<b>2.9066</b>	<b>28.2579</b>	<b>21.4980</b>	<b>0.0245</b>	<b>0.2492</b>	<b>1.7445</b>	<b>1.9937</b>	<b>0.0377</b>	<b>1.6328</b>	<b>1.6705</b>		<b>2,487.1296</b>	<b>2,487.1296</b>	<b>0.6288</b>		<b>2,500.3343</b>

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0225	0.3223	0.2301	8.6000e-004	0.0200	4.4000e-003	0.0244	5.4900e-003	4.0500e-003	9.5400e-003		86.6729	86.6729	6.2000e-004		86.6859
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0454	0.0533	0.5816	1.3500e-003	0.1068	8.0000e-004	0.1076	0.0283	7.4000e-004	0.0291		112.9092	112.9092	5.6600e-003		113.0280
<b>Total</b>	<b>0.0680</b>	<b>0.3756</b>	<b>0.8117</b>	<b>2.2100e-003</b>	<b>0.1268</b>	<b>5.2000e-003</b>	<b>0.1320</b>	<b>0.0338</b>	<b>4.7900e-003</b>	<b>0.0386</b>		<b>199.5820</b>	<b>199.5820</b>	<b>6.2800e-003</b>		<b>199.7138</b>

#### 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
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Category	lb/day										lb/day				
Fugitive Dust					0.0972	0.0000	0.0972	0.0147	0.0000	0.0147			0.0000		0.0000
Off-Road	2.9066	28.2579	21.4980	0.0245		1.7445	1.7445		1.6328	1.6328	0.0000	2,487.1296	2,487.1296	0.6288	2,500.3343
<b>Total</b>	<b>2.9066</b>	<b>28.2579</b>	<b>21.4980</b>	<b>0.0245</b>	<b>0.0972</b>	<b>1.7445</b>	<b>1.8417</b>	<b>0.0147</b>	<b>1.6328</b>	<b>1.6475</b>	<b>0.0000</b>	<b>2,487.1296</b>	<b>2,487.1296</b>	<b>0.6288</b>	<b>2,500.3343</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0225	0.3223	0.2301	8.6000e-004	0.0200	4.4000e-003	0.0244	5.4900e-003	4.0500e-003	9.5400e-003		86.6729	86.6729	6.2000e-004		86.6859
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0454	0.0533	0.5816	1.3500e-003	0.1068	8.0000e-004	0.1076	0.0283	7.4000e-004	0.0291		112.9092	112.9092	5.6600e-003		113.0280
<b>Total</b>	<b>0.0680</b>	<b>0.3756</b>	<b>0.8117</b>	<b>2.2100e-003</b>	<b>0.1268</b>	<b>5.2000e-003</b>	<b>0.1320</b>	<b>0.0338</b>	<b>4.7900e-003</b>	<b>0.0386</b>		<b>199.5820</b>	<b>199.5820</b>	<b>6.2800e-003</b>		<b>199.7138</b>

**3.3 Site Preparation - 2016**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					5.7996	0.0000	5.7996	2.9537	0.0000	2.9537			0.0000			0.0000
Off-Road	2.4428	25.7718	16.5144	0.0171		1.3985	1.3985		1.2866	1.2866		1,781.0872	1,781.0872	0.5372		1,792.3693

<b>Total</b>	<b>2.4428</b>	<b>25.7718</b>	<b>16.5144</b>	<b>0.0171</b>	<b>5.7996</b>	<b>1.3985</b>	<b>7.1981</b>	<b>2.9537</b>	<b>1.2866</b>	<b>4.2403</b>		<b>1,781.0872</b>	<b>1,781.0872</b>	<b>0.5372</b>		<b>1,792.3693</b>
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**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0280	0.0328	0.3579	8.3000e-004	0.0657	4.9000e-004	0.0662	0.0174	4.5000e-004	0.0179		69.4826	69.4826	3.4800e-003		69.5557
<b>Total</b>	<b>0.0280</b>	<b>0.0328</b>	<b>0.3579</b>	<b>8.3000e-004</b>	<b>0.0657</b>	<b>4.9000e-004</b>	<b>0.0662</b>	<b>0.0174</b>	<b>4.5000e-004</b>	<b>0.0179</b>		<b>69.4826</b>	<b>69.4826</b>	<b>3.4800e-003</b>		<b>69.5557</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.2618	0.0000	2.2618	1.1519	0.0000	1.1519			0.0000			0.0000
Off-Road	2.4428	25.7718	16.5144	0.0171		1.3985	1.3985		1.2866	1.2866	0.0000	1,781.0872	1,781.0872	0.5372		1,792.3693
<b>Total</b>	<b>2.4428</b>	<b>25.7718</b>	<b>16.5144</b>	<b>0.0171</b>	<b>2.2618</b>	<b>1.3985</b>	<b>3.6603</b>	<b>1.1519</b>	<b>1.2866</b>	<b>2.4385</b>	<b>0.0000</b>	<b>1,781.0872</b>	<b>1,781.0872</b>	<b>0.5372</b>		<b>1,792.3693</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0280	0.0328	0.3579	8.3000e-004	0.0657	4.9000e-004	0.0662	0.0174	4.5000e-004	0.0179		69.4826	69.4826	3.4800e-003		69.5557
<b>Total</b>	<b>0.0280</b>	<b>0.0328</b>	<b>0.3579</b>	<b>8.3000e-004</b>	<b>0.0657</b>	<b>4.9000e-004</b>	<b>0.0662</b>	<b>0.0174</b>	<b>4.5000e-004</b>	<b>0.0179</b>		<b>69.4826</b>	<b>69.4826</b>	<b>3.4800e-003</b>		<b>69.5557</b>

### 3.4 Grading - 2016

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.9143	0.0000	4.9143	2.5256	0.0000	2.5256			0.0000			0.0000
Off-Road	1.9908	21.0361	13.6704	0.0141		1.1407	1.1407		1.0494	1.0494		1,462.8468	1,462.8468	0.4413		1,472.1130
<b>Total</b>	<b>1.9908</b>	<b>21.0361</b>	<b>13.6704</b>	<b>0.0141</b>	<b>4.9143</b>	<b>1.1407</b>	<b>6.0549</b>	<b>2.5256</b>	<b>1.0494</b>	<b>3.5750</b>		<b>1,462.8468</b>	<b>1,462.8468</b>	<b>0.4413</b>		<b>1,472.1130</b>

#### Unmitigated Construction Off-Site

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

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	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	0.0280	0.0328	0.3579	8.3000e-004	0.0657	4.9000e-004	0.0662	0.0174	4.5000e-004	0.0179		69.4826	69.4826	3.4800e-003		69.5557
<b>Total</b>	<b>0.0280</b>	<b>0.0328</b>	<b>0.3579</b>	<b>8.3000e-004</b>	<b>0.0657</b>	<b>4.9000e-004</b>	<b>0.0662</b>	<b>0.0174</b>	<b>4.5000e-004</b>	<b>0.0179</b>		<b>69.4826</b>	<b>69.4826</b>	<b>3.4800e-003</b>		<b>69.5557</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.9166	0.0000	1.9166	0.9850	0.0000	0.9850			0.0000			0.0000
Off-Road	1.9908	21.0361	13.6704	0.0141		1.1407	1.1407		1.0494	1.0494	0.0000	1,462.8468	1,462.8468	0.4413		1,472.1130
<b>Total</b>	<b>1.9908</b>	<b>21.0361</b>	<b>13.6704</b>	<b>0.0141</b>	<b>1.9166</b>	<b>1.1407</b>	<b>3.0573</b>	<b>0.9850</b>	<b>1.0494</b>	<b>2.0344</b>	<b>0.0000</b>	<b>1,462.8468</b>	<b>1,462.8468</b>	<b>0.4413</b>		<b>1,472.1130</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0280	0.0328	0.3579	8.3000e-004	0.0657	4.9000e-004	0.0662	0.0174	4.5000e-004	0.0179		69.4826	69.4826	3.4800e-003		69.5557
<b>Total</b>	<b>0.0280</b>	<b>0.0328</b>	<b>0.3579</b>	<b>8.3000e-004</b>	<b>0.0657</b>	<b>4.9000e-004</b>	<b>0.0662</b>	<b>0.0174</b>	<b>4.5000e-004</b>	<b>0.0179</b>		<b>69.4826</b>	<b>69.4826</b>	<b>3.4800e-003</b>		<b>69.5557</b>

### 3.5 Building Construction - 2016

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.2915	20.5459	14.7074	0.0220		1.3656	1.3656		1.3176	1.3176		2,046.9432	2,046.9432	0.4499		2,056.3913
<b>Total</b>	<b>3.2915</b>	<b>20.5459</b>	<b>14.7074</b>	<b>0.0220</b>		<b>1.3656</b>	<b>1.3656</b>		<b>1.3176</b>	<b>1.3176</b>		<b>2,046.9432</b>	<b>2,046.9432</b>	<b>0.4499</b>		<b>2,056.3913</b>

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1147	1.0425	1.2237	2.6200e-003	0.0730	0.0158	0.0888	0.0208	0.0145	0.0353		262.4473	262.4473	2.0300e-003		262.4899
Worker	0.0944	0.1108	1.2079	2.8100e-003	0.2218	1.6600e-003	0.2235	0.0588	1.5300e-003	0.0604		234.5036	234.5036	0.0118		234.7504
<b>Total</b>	<b>0.2091</b>	<b>1.1533</b>	<b>2.4316</b>	<b>5.4300e-003</b>	<b>0.2948</b>	<b>0.0174</b>	<b>0.3122</b>	<b>0.0797</b>	<b>0.0160</b>	<b>0.0957</b>		<b>496.9509</b>	<b>496.9509</b>	<b>0.0138</b>		<b>497.2403</b>

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.2915	20.5459	14.7074	0.0220		1.3656	1.3656		1.3176	1.3176	0.0000	2,046.9432	2,046.9432	0.4499		2,056.3913
<b>Total</b>	<b>3.2915</b>	<b>20.5459</b>	<b>14.7074</b>	<b>0.0220</b>		<b>1.3656</b>	<b>1.3656</b>		<b>1.3176</b>	<b>1.3176</b>	<b>0.0000</b>	<b>2,046.9432</b>	<b>2,046.9432</b>	<b>0.4499</b>		<b>2,056.3913</b>

### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1147	1.0425	1.2237	2.6200e-003	0.0730	0.0158	0.0888	0.0208	0.0145	0.0353		262.4473	262.4473	2.0300e-003		262.4899
Worker	0.0944	0.1108	1.2079	2.8100e-003	0.2218	1.6600e-003	0.2235	0.0588	1.5300e-003	0.0604		234.5036	234.5036	0.0118		234.7504
<b>Total</b>	<b>0.2091</b>	<b>1.1533</b>	<b>2.4316</b>	<b>5.4300e-003</b>	<b>0.2948</b>	<b>0.0174</b>	<b>0.3122</b>	<b>0.0797</b>	<b>0.0160</b>	<b>0.0957</b>		<b>496.9509</b>	<b>496.9509</b>	<b>0.0138</b>		<b>497.2403</b>

### **3.6 Paving - 2016**

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2872	13.2076	9.0880	0.0133		0.8075	0.8075		0.7438	0.7438		1,368.4366	1,368.4366	0.4053		1,376.9473

Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000	
<b>Total</b>	<b>1.2872</b>	<b>13.2076</b>	<b>9.0880</b>	<b>0.0133</b>		<b>0.8075</b>	<b>0.8075</b>		<b>0.7438</b>	<b>0.7438</b>			<b>1,368.4366</b>	<b>1,368.4366</b>	<b>0.4053</b>		<b>1,376.9473</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0454	0.0533	0.5816	1.3500e-003	0.1068	8.0000e-004	0.1076	0.0283	7.4000e-004	0.0291		112.9092	112.9092	5.6600e-003			113.0280
<b>Total</b>	<b>0.0454</b>	<b>0.0533</b>	<b>0.5816</b>	<b>1.3500e-003</b>	<b>0.1068</b>	<b>8.0000e-004</b>	<b>0.1076</b>	<b>0.0283</b>	<b>7.4000e-004</b>	<b>0.0291</b>		<b>112.9092</b>	<b>112.9092</b>	<b>5.6600e-003</b>			<b>113.0280</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2872	13.2076	9.0880	0.0133		0.8075	0.8075		0.7438	0.7438	0.0000	1,368.4366	1,368.4366	0.4053		1,376.9473
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.2872</b>	<b>13.2076</b>	<b>9.0880</b>	<b>0.0133</b>		<b>0.8075</b>	<b>0.8075</b>		<b>0.7438</b>	<b>0.7438</b>	<b>0.0000</b>	<b>1,368.4366</b>	<b>1,368.4366</b>	<b>0.4053</b>		<b>1,376.9473</b>

**Mitigated Construction Off-Site**



	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0454	0.0533	0.5816	1.3500e-003	0.1068	8.0000e-004	0.1076	0.0283	7.4000e-004	0.0291		112.9092	112.9092	5.6600e-003		113.0280
<b>Total</b>	<b>0.0454</b>	<b>0.0533</b>	<b>0.5816</b>	<b>1.3500e-003</b>	<b>0.1068</b>	<b>8.0000e-004</b>	<b>0.1076</b>	<b>0.0283</b>	<b>7.4000e-004</b>	<b>0.0291</b>		<b>112.9092</b>	<b>112.9092</b>	<b>5.6600e-003</b>		<b>113.0280</b>

### 3.7 Architectural Coating - 2016

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	90.3825					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3685	2.3722	1.8839	2.9700e-003		0.1966	0.1966		0.1966	0.1966		281.4481	281.4481	0.0332		282.1449
<b>Total</b>	<b>90.7510</b>	<b>2.3722</b>	<b>1.8839</b>	<b>2.9700e-003</b>		<b>0.1966</b>	<b>0.1966</b>		<b>0.1966</b>	<b>0.1966</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0332</b>		<b>282.1449</b>

#### Unmitigated Construction Off-Site

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

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	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	0.0175	0.0205	0.2237	5.2000e-004	0.0411	3.1000e-004	0.0414	0.0109	2.8000e-004	0.0112		43.4266	43.4266	2.1800e-003		43.4723
<b>Total</b>	<b>0.0175</b>	<b>0.0205</b>	<b>0.2237</b>	<b>5.2000e-004</b>	<b>0.0411</b>	<b>3.1000e-004</b>	<b>0.0414</b>	<b>0.0109</b>	<b>2.8000e-004</b>	<b>0.0112</b>		<b>43.4266</b>	<b>43.4266</b>	<b>2.1800e-003</b>		<b>43.4723</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	90.3825					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3685	2.3722	1.8839	2.9700e-003		0.1966	0.1966		0.1966	0.1966	0.0000	281.4481	281.4481	0.0332		282.1449
<b>Total</b>	<b>90.7510</b>	<b>2.3722</b>	<b>1.8839</b>	<b>2.9700e-003</b>		<b>0.1966</b>	<b>0.1966</b>		<b>0.1966</b>	<b>0.1966</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0332</b>		<b>282.1449</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0175	0.0205	0.2237	5.2000e-004	0.0411	3.1000e-004	0.0414	0.0109	2.8000e-004	0.0112		43.4266	43.4266	2.1800e-003		43.4723
<b>Total</b>	<b>0.0175</b>	<b>0.0205</b>	<b>0.2237</b>	<b>5.2000e-004</b>	<b>0.0411</b>	<b>3.1000e-004</b>	<b>0.0414</b>	<b>0.0109</b>	<b>2.8000e-004</b>	<b>0.0112</b>		<b>43.4266</b>	<b>43.4266</b>	<b>2.1800e-003</b>		<b>43.4723</b>

## Sample Industrial Project San Diego County, Winter

### 1.0 Project Characteristics

#### 1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	65.00	1000sqft	1.49	65,000.00	0

#### 1.2 Other Project Characteristics

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.6	<b>Precipitation Freq (Days)</b>	40
<b>Climate Zone</b>	13			<b>Operational Year</b>	2016
<b>Utility Company</b>	San Diego Gas & Electric				
<b>CO2 Intensity (lb/MWhr)</b>	720.49	<b>CH4 Intensity (lb/MWhr)</b>	0.029	<b>N2O Intensity (lb/MWhr)</b>	0.006

#### 1.3 User Entered Comments & Non-Default Data

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	150.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	150.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	150.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	150.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	150
tblAreaCoating	Area_EF_Nonresidential_Interior	250	150
tblAreaCoating	Area_EF_Residential_Exterior	250	150
tblAreaCoating	Area_EF_Residential_Interior	250	150
tblAreaMitigation	UseLowVOCPaintNonresidentialInterior Value	250	150

tblAreaMitigation	UseLowVOCPaintResidentialExteriorValue	250	150
tblAreaMitigation	UseLowVOCPaintResidentialInteriorValue	250	150
tblProjectCharacteristics	OperationalYear	2014	2016
tblVehicleTrips	CC_TL	7.30	5.80
tblVehicleTrips	CNW_TL	7.30	5.80
tblVehicleTrips	CW_TL	9.50	5.80

## 2.0 Emissions Summary

### 2.1 Overall Construction (Maximum Daily Emission)

#### Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2016	90.7695	28.6504	22.3602	0.0272	5.8653	1.7498	7.2643	2.9711	1.6376	4.2582	0.0000	2,679.6365	2,679.6365	0.6351	0.0000	2,692.9731
<b>Total</b>	<b>90.7695</b>	<b>28.6504</b>	<b>22.3602</b>	<b>0.0272</b>	<b>5.8653</b>	<b>1.7498</b>	<b>7.2643</b>	<b>2.9711</b>	<b>1.6376</b>	<b>4.2582</b>	<b>0.0000</b>	<b>2,679.6365</b>	<b>2,679.6365</b>	<b>0.6351</b>	<b>0.0000</b>	<b>2,692.9731</b>

#### Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2016	90.7695	28.6504	22.3602	0.0272	2.3276	1.7498	3.7265	1.1694	1.6376	2.4564	0.0000	2,679.6365	2,679.6365	0.6351	0.0000	2,692.9731

Total	90.7695	28.6504	22.3602	0.0272	2.3276	1.7498	3.7265	1.1694	1.6376	2.4564	0.0000	2,679.6365	2,679.6365	0.6351	0.0000	2,692.9731
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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	60.32	0.00	48.70	60.64	0.00	42.31	0.00	0.00	0.00	0.00	0.00	0.00

### 3.0 Construction Detail

#### Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2016	1/28/2016	5	20	
2	Site Preparation	Site Preparation	1/29/2016	2/1/2016	5	2	
3	Grading	Grading	2/2/2016	2/5/2016	5	4	
4	Building Construction	Building Construction	2/6/2016	11/11/2016	5	200	
5	Paving	Paving	11/12/2016	11/25/2016	5	10	
6	Architectural Coating	Architectural Coating	11/26/2016	12/9/2016	5	10	

Acres of Grading (Site Preparation Phase): 1

Acres of Grading (Grading Phase): 1.5

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 97,500; Non-Residential Outdoor: 32,500 (Architectural Coating –

#### OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Cement and Mortar Mixers	1	6.00	9	0.56
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Cranes	1	6.00	226	0.29

Building Construction	Forklifts	1	6.00	89	0.20
Site Preparation	Graders	1	8.00	174	0.41
Paving	Pavers	1	6.00	125	0.42
Paving	Rollers	1	7.00	80	0.38
Demolition	Rubber Tired Dozers	1	8.00	255	0.40
Grading	Rubber Tired Dozers	1	6.00	255	0.40
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Demolition	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Grading	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Graders	1	6.00	174	0.41
Paving	Paving Equipment	1	8.00	130	0.36
Site Preparation	Rubber Tired Dozers	1	7.00	255	0.40
Building Construction	Welders	3	8.00	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
Demolition	5	13.00	0.00	23.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	3	8.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	3	8.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	7	27.00	11.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	13.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	5.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

### 3.1 Mitigation Measures Construction

Water Exposed Area

Clean Paved Roads

### 3.2 Demolition - 2016

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2492	0.0000	0.2492	0.0377	0.0000	0.0377			0.0000			0.0000
Off-Road	2.9066	28.2579	21.4980	0.0245		1.7445	1.7445		1.6328	1.6328		2,487.1296	2,487.1296	0.6288		2,500.3343
<b>Total</b>	<b>2.9066</b>	<b>28.2579</b>	<b>21.4980</b>	<b>0.0245</b>	<b>0.2492</b>	<b>1.7445</b>	<b>1.9937</b>	<b>0.0377</b>	<b>1.6328</b>	<b>1.6705</b>		<b>2,487.1296</b>	<b>2,487.1296</b>	<b>0.6288</b>		<b>2,500.3343</b>

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0251	0.3327	0.2972	8.6000e-004	0.0200	4.4200e-003	0.0245	5.4900e-003	4.0600e-003	9.5500e-003		86.4696	86.4696	6.2000e-004		86.4827
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0482	0.0598	0.5650	1.2700e-003	0.1068	8.0000e-004	0.1076	0.0283	7.4000e-004	0.0291		106.0373	106.0373	5.6600e-003		106.1561
<b>Total</b>	<b>0.0733</b>	<b>0.3925</b>	<b>0.8622</b>	<b>2.1300e-003</b>	<b>0.1268</b>	<b>5.2200e-003</b>	<b>0.1320</b>	<b>0.0338</b>	<b>4.8000e-003</b>	<b>0.0386</b>		<b>192.5069</b>	<b>192.5069</b>	<b>6.2800e-003</b>		<b>192.6388</b>

#### 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
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Category	lb/day										lb/day				
Fugitive Dust					0.0972	0.0000	0.0972	0.0147	0.0000	0.0147			0.0000		0.0000
Off-Road	2.9066	28.2579	21.4980	0.0245		1.7445	1.7445		1.6328	1.6328	0.0000	2,487.1296	2,487.1296	0.6288	2,500.3343
<b>Total</b>	<b>2.9066</b>	<b>28.2579</b>	<b>21.4980</b>	<b>0.0245</b>	<b>0.0972</b>	<b>1.7445</b>	<b>1.8417</b>	<b>0.0147</b>	<b>1.6328</b>	<b>1.6475</b>	<b>0.0000</b>	<b>2,487.1296</b>	<b>2,487.1296</b>	<b>0.6288</b>	<b>2,500.3343</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0251	0.3327	0.2972	8.6000e-004	0.0200	4.4200e-003	0.0245	5.4900e-003	4.0600e-003	9.5500e-003		86.4696	86.4696	6.2000e-004		86.4827
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0482	0.0598	0.5650	1.2700e-003	0.1068	8.0000e-004	0.1076	0.0283	7.4000e-004	0.0291		106.0373	106.0373	5.6600e-003		106.1561
<b>Total</b>	<b>0.0733</b>	<b>0.3925</b>	<b>0.8622</b>	<b>2.1300e-003</b>	<b>0.1268</b>	<b>5.2200e-003</b>	<b>0.1320</b>	<b>0.0338</b>	<b>4.8000e-003</b>	<b>0.0386</b>		<b>192.5069</b>	<b>192.5069</b>	<b>6.2800e-003</b>		<b>192.6388</b>

**3.3 Site Preparation - 2016**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					5.7996	0.0000	5.7996	2.9537	0.0000	2.9537			0.0000			0.0000
Off-Road	2.4428	25.7718	16.5144	0.0171		1.3985	1.3985		1.2866	1.2866		1,781.0872	1,781.0872	0.5372		1,792.3693



<b>Total</b>	<b>2.4428</b>	<b>25.7718</b>	<b>16.5144</b>	<b>0.0171</b>	<b>5.7996</b>	<b>1.3985</b>	<b>7.1981</b>	<b>2.9537</b>	<b>1.2866</b>	<b>4.2403</b>		<b>1,781.0872</b>	<b>1,781.0872</b>	<b>0.5372</b>		<b>1,792.3693</b>
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**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0296	0.0368	0.3477	7.8000e-004	0.0657	4.9000e-004	0.0662	0.0174	4.5000e-004	0.0179		65.2537	65.2537	3.4800e-003		65.3268
<b>Total</b>	<b>0.0296</b>	<b>0.0368</b>	<b>0.3477</b>	<b>7.8000e-004</b>	<b>0.0657</b>	<b>4.9000e-004</b>	<b>0.0662</b>	<b>0.0174</b>	<b>4.5000e-004</b>	<b>0.0179</b>		<b>65.2537</b>	<b>65.2537</b>	<b>3.4800e-003</b>		<b>65.3268</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.2618	0.0000	2.2618	1.1519	0.0000	1.1519			0.0000			0.0000
Off-Road	2.4428	25.7718	16.5144	0.0171		1.3985	1.3985		1.2866	1.2866	0.0000	1,781.0872	1,781.0872	0.5372		1,792.3693
<b>Total</b>	<b>2.4428</b>	<b>25.7718</b>	<b>16.5144</b>	<b>0.0171</b>	<b>2.2618</b>	<b>1.3985</b>	<b>3.6603</b>	<b>1.1519</b>	<b>1.2866</b>	<b>2.4385</b>	<b>0.0000</b>	<b>1,781.0872</b>	<b>1,781.0872</b>	<b>0.5372</b>		<b>1,792.3693</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0296	0.0368	0.3477	7.8000e-004	0.0657	4.9000e-004	0.0662	0.0174	4.5000e-004	0.0179		65.2537	65.2537	3.4800e-003		65.3268
<b>Total</b>	<b>0.0296</b>	<b>0.0368</b>	<b>0.3477</b>	<b>7.8000e-004</b>	<b>0.0657</b>	<b>4.9000e-004</b>	<b>0.0662</b>	<b>0.0174</b>	<b>4.5000e-004</b>	<b>0.0179</b>		<b>65.2537</b>	<b>65.2537</b>	<b>3.4800e-003</b>		<b>65.3268</b>

### 3.4 Grading - 2016

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.9143	0.0000	4.9143	2.5256	0.0000	2.5256			0.0000			0.0000
Off-Road	1.9908	21.0361	13.6704	0.0141		1.1407	1.1407		1.0494	1.0494		1,462.8468	1,462.8468	0.4413		1,472.1130
<b>Total</b>	<b>1.9908</b>	<b>21.0361</b>	<b>13.6704</b>	<b>0.0141</b>	<b>4.9143</b>	<b>1.1407</b>	<b>6.0549</b>	<b>2.5256</b>	<b>1.0494</b>	<b>3.5750</b>		<b>1,462.8468</b>	<b>1,462.8468</b>	<b>0.4413</b>		<b>1,472.1130</b>

#### Unmitigated Construction Off-Site

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

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	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	0.0296	0.0368	0.3477	7.8000e-004	0.0657	4.9000e-004	0.0662	0.0174	4.5000e-004	0.0179		65.2537	65.2537	3.4800e-003		65.3268
<b>Total</b>	<b>0.0296</b>	<b>0.0368</b>	<b>0.3477</b>	<b>7.8000e-004</b>	<b>0.0657</b>	<b>4.9000e-004</b>	<b>0.0662</b>	<b>0.0174</b>	<b>4.5000e-004</b>	<b>0.0179</b>		<b>65.2537</b>	<b>65.2537</b>	<b>3.4800e-003</b>		<b>65.3268</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.9166	0.0000	1.9166	0.9850	0.0000	0.9850			0.0000			0.0000
Off-Road	1.9908	21.0361	13.6704	0.0141		1.1407	1.1407		1.0494	1.0494	0.0000	1,462.8468	1,462.8468	0.4413		1,472.1130
<b>Total</b>	<b>1.9908</b>	<b>21.0361</b>	<b>13.6704</b>	<b>0.0141</b>	<b>1.9166</b>	<b>1.1407</b>	<b>3.0573</b>	<b>0.9850</b>	<b>1.0494</b>	<b>2.0344</b>	<b>0.0000</b>	<b>1,462.8468</b>	<b>1,462.8468</b>	<b>0.4413</b>		<b>1,472.1130</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0296	0.0368	0.3477	7.8000e-004	0.0657	4.9000e-004	0.0662	0.0174	4.5000e-004	0.0179		65.2537	65.2537	3.4800e-003		65.3268
<b>Total</b>	<b>0.0296</b>	<b>0.0368</b>	<b>0.3477</b>	<b>7.8000e-004</b>	<b>0.0657</b>	<b>4.9000e-004</b>	<b>0.0662</b>	<b>0.0174</b>	<b>4.5000e-004</b>	<b>0.0179</b>		<b>65.2537</b>	<b>65.2537</b>	<b>3.4800e-003</b>		<b>65.3268</b>

### 3.5 Building Construction - 2016

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.2915	20.5459	14.7074	0.0220		1.3656	1.3656		1.3176	1.3176		2,046.9432	2,046.9432	0.4499		2,056.3913
<b>Total</b>	<b>3.2915</b>	<b>20.5459</b>	<b>14.7074</b>	<b>0.0220</b>		<b>1.3656</b>	<b>1.3656</b>		<b>1.3176</b>	<b>1.3176</b>		<b>2,046.9432</b>	<b>2,046.9432</b>	<b>0.4499</b>		<b>2,056.3913</b>

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1328	1.0678	1.6468	2.6000e-003	0.0730	0.0159	0.0889	0.0208	0.0147	0.0355		260.4351	260.4351	2.0800e-003		260.4788
Worker	0.1001	0.1243	1.1735	2.6400e-003	0.2218	1.6600e-003	0.2235	0.0588	1.5300e-003	0.0604		220.2313	220.2313	0.0118		220.4780
<b>Total</b>	<b>0.2328</b>	<b>1.1920</b>	<b>2.8203</b>	<b>5.2400e-003</b>	<b>0.2948</b>	<b>0.0176</b>	<b>0.3124</b>	<b>0.0797</b>	<b>0.0162</b>	<b>0.0958</b>		<b>480.6664</b>	<b>480.6664</b>	<b>0.0138</b>		<b>480.9568</b>

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.2915	20.5459	14.7074	0.0220		1.3656	1.3656		1.3176	1.3176	0.0000	2,046.9432	2,046.9432	0.4499		2,056.3913
<b>Total</b>	<b>3.2915</b>	<b>20.5459</b>	<b>14.7074</b>	<b>0.0220</b>		<b>1.3656</b>	<b>1.3656</b>		<b>1.3176</b>	<b>1.3176</b>	<b>0.0000</b>	<b>2,046.9432</b>	<b>2,046.9432</b>	<b>0.4499</b>		<b>2,056.3913</b>

### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1328	1.0678	1.6468	2.6000e-003	0.0730	0.0159	0.0889	0.0208	0.0147	0.0355		260.4351	260.4351	2.0800e-003		260.4788
Worker	0.1001	0.1243	1.1735	2.6400e-003	0.2218	1.6600e-003	0.2235	0.0588	1.5300e-003	0.0604		220.2313	220.2313	0.0118		220.4780
<b>Total</b>	<b>0.2328</b>	<b>1.1920</b>	<b>2.8203</b>	<b>5.2400e-003</b>	<b>0.2948</b>	<b>0.0176</b>	<b>0.3124</b>	<b>0.0797</b>	<b>0.0162</b>	<b>0.0958</b>		<b>480.6664</b>	<b>480.6664</b>	<b>0.0138</b>		<b>480.9568</b>

### **3.6 Paving - 2016**

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2872	13.2076	9.0880	0.0133		0.8075	0.8075		0.7438	0.7438		1,368.4366	1,368.4366	0.4053		1,376.9473

Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000	
<b>Total</b>	<b>1.2872</b>	<b>13.2076</b>	<b>9.0880</b>	<b>0.0133</b>		<b>0.8075</b>	<b>0.8075</b>		<b>0.7438</b>	<b>0.7438</b>			<b>1,368.4366</b>	<b>1,368.4366</b>	<b>0.4053</b>		<b>1,376.9473</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0482	0.0598	0.5650	1.2700e-003	0.1068	8.0000e-004	0.1076	0.0283	7.4000e-004	0.0291		106.0373	106.0373	5.6600e-003			106.1561
<b>Total</b>	<b>0.0482</b>	<b>0.0598</b>	<b>0.5650</b>	<b>1.2700e-003</b>	<b>0.1068</b>	<b>8.0000e-004</b>	<b>0.1076</b>	<b>0.0283</b>	<b>7.4000e-004</b>	<b>0.0291</b>		<b>106.0373</b>	<b>106.0373</b>	<b>5.6600e-003</b>			<b>106.1561</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2872	13.2076	9.0880	0.0133		0.8075	0.8075		0.7438	0.7438	0.0000	1,368.4366	1,368.4366	0.4053		1,376.9473
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.2872</b>	<b>13.2076</b>	<b>9.0880</b>	<b>0.0133</b>		<b>0.8075</b>	<b>0.8075</b>		<b>0.7438</b>	<b>0.7438</b>	<b>0.0000</b>	<b>1,368.4366</b>	<b>1,368.4366</b>	<b>0.4053</b>		<b>1,376.9473</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0482	0.0598	0.5650	1.2700e-003	0.1068	8.0000e-004	0.1076	0.0283	7.4000e-004	0.0291		106.0373	106.0373	5.6600e-003		106.1561
<b>Total</b>	<b>0.0482</b>	<b>0.0598</b>	<b>0.5650</b>	<b>1.2700e-003</b>	<b>0.1068</b>	<b>8.0000e-004</b>	<b>0.1076</b>	<b>0.0283</b>	<b>7.4000e-004</b>	<b>0.0291</b>		<b>106.0373</b>	<b>106.0373</b>	<b>5.6600e-003</b>		<b>106.1561</b>

### 3.7 Architectural Coating - 2016

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	90.3825					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3685	2.3722	1.8839	2.9700e-003		0.1966	0.1966		0.1966	0.1966		281.4481	281.4481	0.0332		282.1449
<b>Total</b>	<b>90.7510</b>	<b>2.3722</b>	<b>1.8839</b>	<b>2.9700e-003</b>		<b>0.1966</b>	<b>0.1966</b>		<b>0.1966</b>	<b>0.1966</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0332</b>		<b>282.1449</b>

#### Unmitigated Construction Off-Site

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

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	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	0.0185	0.0230	0.2173	4.9000e-004	0.0411	3.1000e-004	0.0414	0.0109	2.8000e-004	0.0112		40.7836	40.7836	2.1800e-003		40.8293
<b>Total</b>	<b>0.0185</b>	<b>0.0230</b>	<b>0.2173</b>	<b>4.9000e-004</b>	<b>0.0411</b>	<b>3.1000e-004</b>	<b>0.0414</b>	<b>0.0109</b>	<b>2.8000e-004</b>	<b>0.0112</b>		<b>40.7836</b>	<b>40.7836</b>	<b>2.1800e-003</b>		<b>40.8293</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	90.3825					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3685	2.3722	1.8839	2.9700e-003		0.1966	0.1966		0.1966	0.1966	0.0000	281.4481	281.4481	0.0332		282.1449
<b>Total</b>	<b>90.7510</b>	<b>2.3722</b>	<b>1.8839</b>	<b>2.9700e-003</b>		<b>0.1966</b>	<b>0.1966</b>		<b>0.1966</b>	<b>0.1966</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0332</b>		<b>282.1449</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0185	0.0230	0.2173	4.9000e-004	0.0411	3.1000e-004	0.0414	0.0109	2.8000e-004	0.0112		40.7836	40.7836	2.1800e-003		40.8293
<b>Total</b>	<b>0.0185</b>	<b>0.0230</b>	<b>0.2173</b>	<b>4.9000e-004</b>	<b>0.0411</b>	<b>3.1000e-004</b>	<b>0.0414</b>	<b>0.0109</b>	<b>2.8000e-004</b>	<b>0.0112</b>		<b>40.7836</b>	<b>40.7836</b>	<b>2.1800e-003</b>		<b>40.8293</b>



**CalEEMod Output Files  
Uptown CPU Adopted and Proposed Plan**

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**6086 Uptown - Adopted Plan 2035**  
**San Diego County APCD Air District, Summer**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Government (Civic Center)	2,314.90	1000sqft	53.14	2,314,900.00	0
Hotel	220.00	Room	7.33	174,000.00	0
Racquet Club	31.10	1000sqft	0.71	31,100.00	0
Apartments Low Rise	29,060.00	Dwelling Unit	1,816.25	29,060,000.00	83112
Single Family Housing	5,540.00	Dwelling Unit	1,798.70	9,972,000.00	15844
Strip Mall	4,783.00	1000sqft	109.80	4,783,000.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.6	<b>Precipitation Freq (Days)</b>	40
<b>Climate Zone</b>	13			<b>Operational Year</b>	2035
<b>Utility Company</b>	San Diego Gas & Electric				
<b>CO2 Intensity (lb/MWhr)</b>	433.73	<b>CH4 Intensity (lb/MWhr)</b>	0.017	<b>N2O Intensity (lb/MWhr)</b>	0.004

**1.3 User Entered Comments & Non-Default Data**

Project Characteristics - RPS 2030 goal 50%

CalEEMod accounts for 10.2%

Additional 39.8% reduction applied

(433.73, 0.017, 0.004)

Land Use - Uptown adopted land uses

Construction Phase - Construction calculated separately

Woodstoves - No woodstoves or woodburning fireplaces

Area Coating - SDAPCD Rule 67

Energy Use - 2013 Title 24

Water And Wastewater - CalGreen 20% indoor water reduction

Area Mitigation -

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	150
tblConstructionPhase	NumDays	155,000.00	1.00
tblEnergyUse	T24E	184.75	141.70
tblEnergyUse	T24E	5.69	4.45
tblEnergyUse	T24E	5.84	4.57
tblEnergyUse	T24E	1.48	1.16
tblEnergyUse	T24E	425.62	270.69
tblEnergyUse	T24E	3.89	3.04
tblEnergyUse	T24NG	8,285.40	7,970.55
tblEnergyUse	T24NG	16.83	14.00
tblEnergyUse	T24NG	49.75	41.39
tblEnergyUse	T24NG	4.54	3.78
tblEnergyUse	T24NG	21,834.49	20,415.25
tblEnergyUse	T24NG	1.20	1.00
tblFireplaces	NumberGas	15,983.00	26,154.00
tblFireplaces	NumberGas	3,047.00	4,986.00
tblFireplaces	NumberWood	10,171.00	0.00

tblFireplaces	NumberWood	1,939.00	0.00
tblLandUse	LandUseSquareFeet	319,440.00	174,000.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.017
tblProjectCharacteristics	CO2IntensityFactor	720.49	433.73
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.004
tblProjectCharacteristics	OperationalYear	2014	2035
tblWater	IndoorWaterUseRate	1,893,375,984.56	1,514,700,787.65
tblWater	IndoorWaterUseRate	459,877,306.81	367,901,845.45
tblWater	IndoorWaterUseRate	5,580,689.40	4,464,551.52
tblWater	IndoorWaterUseRate	1,839,351.78	1,471,481.42
tblWater	IndoorWaterUseRate	360,953,301.94	288,762,641.55
tblWater	IndoorWaterUseRate	354,288,870.26	283,431,096.21
tblWoodstoves	NumberCatalytic	1,453.00	0.00
tblWoodstoves	NumberCatalytic	277.00	0.00
tblWoodstoves	NumberNoncatalytic	1,453.00	0.00
tblWoodstoves	NumberNoncatalytic	277.00	0.00
tblWoodstoves	WoodstoveDayYear	82.00	0.00
tblWoodstoves	WoodstoveDayYear	82.00	0.00
tblWoodstoves	WoodstoveWoodMass	3,019.20	0.00
tblWoodstoves	WoodstoveWoodMass	3,019.20	0.00

## 2.0 Emissions Summary

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## 2.2 Overall Operational

### Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1,513.4331	32.8269	2,848.5535	0.1508		57.5968	57.5968		57.1572	57.1572	0.0000	664,576.8120	664,576.8120	17.5362	12.0897	668,692.8632
Energy	15.1027	130.0523	62.1995	0.8238		10.4346	10.4346		10.4346	10.4346		164,756.7288	164,756.7288	3.1578	3.0205	165,759.4108
Mobile	1,035.6017	1,618.3488	9,407.6950	38.3585	2,557.2552	41.3194	2,598.5746	682.5095	38.1717	720.6812		2,663,629.0257	2,663,629.0257	77.4738		2,665,255.9744
<b>Total</b>	<b>2,564.1375</b>	<b>1,781.2280</b>	<b>12,318.4481</b>	<b>39.3331</b>	<b>2,557.2552</b>	<b>109.3508</b>	<b>2,666.6060</b>	<b>682.5095</b>	<b>105.7635</b>	<b>788.2730</b>	<b>0.0000</b>	<b>3,492,962.5665</b>	<b>3,492,962.5665</b>	<b>98.1678</b>	<b>15.1102</b>	<b>3,499,708.2484</b>

### Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1,513.4331	32.8269	2,848.5535	0.1508		57.5968	57.5968		57.1572	57.1572	0.0000	664,576.8120	664,576.8120	17.5362	12.0897	668,692.8632
Energy	15.1027	130.0523	62.1995	0.8238		10.4346	10.4346		10.4346	10.4346		164,756.7288	164,756.7288	3.1578	3.0205	165,759.4108
Mobile	1,035.6017	1,618.3488	9,407.6950	38.3585	2,557.2552	41.3194	2,598.5746	682.5095	38.1717	720.6812		2,663,629.0257	2,663,629.0257	77.4738		2,665,255.9744
<b>Total</b>	<b>2,564.1375</b>	<b>1,781.2280</b>	<b>12,318.4481</b>	<b>39.3331</b>	<b>2,557.2552</b>	<b>109.3508</b>	<b>2,666.6060</b>	<b>682.5095</b>	<b>105.7635</b>	<b>788.2730</b>	<b>0.0000</b>	<b>3,492,962.5665</b>	<b>3,492,962.5665</b>	<b>98.1678</b>	<b>15.1102</b>	<b>3,499,708.2484</b>

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

### 3.0 Construction Detail

#### Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Building Construction	Building Construction	1/1/2017	1/2/2017	5	1	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

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

#### OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Building Construction	Cranes	1	7.00	226	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45

#### 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
Building Construction	9	25,275.00	4,896.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT



### 3.1 Mitigation Measures Construction

### 3.2 Building Construction - 2017

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.1024	26.4057	18.1291	0.0268		1.7812	1.7812		1.6730	1.6730		2,639.8053	2,639.8053	0.6497		2,653.4490
<b>Total</b>	<b>3.1024</b>	<b>26.4057</b>	<b>18.1291</b>	<b>0.0268</b>		<b>1.7812</b>	<b>1.7812</b>		<b>1.6730</b>	<b>1.6730</b>		<b>2,639.8053</b>	<b>2,639.8053</b>	<b>0.6497</b>		<b>2,653.4490</b>

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	46.8146	414.9372	511.2090	1.1630	32.4984	6.0907	38.5892	9.2719	5.6016	14.8735		114,839.5407	114,839.5407	0.8532		114,857.4583
Worker	80.3025	94.2266	1,022.7265	2.6303	207.6281	1.5098	209.1379	55.0727	1.3927	56.4653		211,050.6586	211,050.6586	10.1762		211,264.3596
<b>Total</b>	<b>127.1172</b>	<b>509.1638</b>	<b>1,533.9354</b>	<b>3.7933</b>	<b>240.1266</b>	<b>7.6005</b>	<b>247.7271</b>	<b>64.3446</b>	<b>6.9943</b>	<b>71.3388</b>		<b>325,890.1993</b>	<b>325,890.1993</b>	<b>11.0295</b>		<b>326,121.8179</b>

### 3.2 Building Construction - 2017

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.1024	26.4057	18.1291	0.0268		1.7812	1.7812		1.6730	1.6730	0.0000	2,639.8053	2,639.8053	0.6497		2,653.4490
<b>Total</b>	<b>3.1024</b>	<b>26.4057</b>	<b>18.1291</b>	<b>0.0268</b>		<b>1.7812</b>	<b>1.7812</b>		<b>1.6730</b>	<b>1.6730</b>	<b>0.0000</b>	<b>2,639.8053</b>	<b>2,639.8053</b>	<b>0.6497</b>		<b>2,653.4490</b>

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	46.8146	414.9372	511.2090	1.1630	32.4984	6.0907	38.5892	9.2719	5.6016	14.8735		114,839.5407	114,839.5407	0.8532		114,857.4583
Worker	80.3025	94.2266	1,022.7265	2.6303	207.6281	1.5098	209.1379	55.0727	1.3927	56.4653		211,050.6586	211,050.6586	10.1762		211,264.3596
<b>Total</b>	<b>127.1172</b>	<b>509.1638</b>	<b>1,533.9354</b>	<b>3.7933</b>	<b>240.1266</b>	<b>7.6005</b>	<b>247.7271</b>	<b>64.3446</b>	<b>6.9943</b>	<b>71.3388</b>		<b>325,890.1993</b>	<b>325,890.1993</b>	<b>11.0295</b>		<b>326,121.8179</b>

### 4.0 Operational Detail - Mobile

### 4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1,035.6017	1,618.3488	9,407.6950	38.3585	2,557.2552	41.3194	2,598.5746	682.5095	38.1717	720.6812		2,663,629.0257	2,663,629.0257	77.4738		2,665,255.9744
Unmitigated	1,035.6017	1,618.3488	9,407.6950	38.3585	2,557.2552	41.3194	2,598.5746	682.5095	38.1717	720.6812		2,663,629.0257	2,663,629.0257	77.4738		2,665,255.9744

### 4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	191,505.40	208,069.60	176,394.20	547,398,691	547,398,691
Government (Civic Center)	64,632.01	0.00	0.00	88,252,098	88,252,098
Hotel	1,797.40	1,801.80	1,309.00	3,283,569	3,283,569
Racquet Club	1,024.12	649.06	831.30	1,604,003	1,604,003
Single Family Housing	53,017.80	55,843.20	48,585.80	150,726,570	150,726,570
Strip Mall	211,982.56	201,077.32	97,716.69	298,921,911	298,921,911
<b>Total</b>	<b>523,959.29</b>	<b>467,440.98</b>	<b>324,836.99</b>	<b>1,090,186,843</b>	<b>1,090,186,843</b>

### 4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Low Rise	10.80	7.30	7.50	41.60	18.80	39.60	86	11	3
Government (Civic Center)	9.50	7.30	7.30	75.00	20.00	5.00	50	34	16
Hotel	9.50	7.30	7.30	19.40	61.60	19.00	58	38	4
Racquet Club	9.50	7.30	7.30	11.50	69.50	19.00	52	39	9
Single Family Housing	10.80	7.30	7.50	41.60	18.80	39.60	86	11	3
Strip Mall	9.50	7.30	7.30	16.60	64.40	19.00	45	40	15

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.511887	0.074493	0.190892	0.129437	0.036275	0.005211	0.012579	0.024993	0.001957	0.001971	0.006467	0.000450	0.003389

### 5.0 Energy Detail

#### 4.4 Fleet Mix

Historical Energy Use: N

### 5.1 Mitigation Measures Energy

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
NaturalGas Mitigated	15.1027	130.0523	62.1995	0.8238		10.4346	10.4346		10.4346	10.4346		164,756.7288	164,756.7288	3.1578	3.0205	165,759.4108
NaturalGas Unmitigated	15.1027	130.0523	62.1995	0.8238		10.4346	10.4346		10.4346	10.4346		164,756.7288	164,756.7288	3.1578	3.0205	165,759.4108

## 5.2 Energy by Land Use - NaturalGas

### Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Hotel	25022.6	0.2699	2.4532	2.0607	0.0147		0.1864	0.1864		0.1864	0.1864		2,943.8388	2,943.8388	0.0564	0.0540	2,961.7546
Racquet Club	939.816	0.0101	0.0921	0.0774	5.5000e-004		7.0000e-003	7.0000e-003		7.0000e-003	7.0000e-003		110.5666	110.5666	2.1200e-003	2.0300e-003	111.2395
Single Family Housing	398186	4.2942	36.6955	15.6151	0.2342		2.9669	2.9669		2.9669	2.9669		46,845.3650	46,845.3650	0.8979	0.8588	47,130.4581
Strip Mall	27387.6	0.2954	2.6851	2.2555	0.0161		0.2041	0.2041		0.2041	0.2041		3,222.0693	3,222.0693	0.0618	0.0591	3,241.6783
Apartments Low Rise	833469	8.9884	76.8099	32.6851	0.4903		6.2102	6.2102		6.2102	6.2102		98,055.1372	98,055.1372	1.8794	1.7977	98,651.8844
Government (Civic Center)	115428	1.2448	11.3165	9.5058	0.0679		0.8601	0.8601		0.8601	0.8601		13,579.7518	13,579.7518	0.2603	0.2490	13,662.3959
<b>Total</b>		<b>15.1027</b>	<b>130.0523</b>	<b>62.1995</b>	<b>0.8238</b>		<b>10.4346</b>	<b>10.4346</b>		<b>10.4346</b>	<b>10.4346</b>		<b>164,756.7288</b>	<b>164,756.7288</b>	<b>3.1578</b>	<b>3.0205</b>	<b>165,759.4108</b>

### 5.2 Energy by Land Use - NaturalGas

#### Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Hotel	25.0226	0.2699	2.4532	2.0607	0.0147		0.1864	0.1864		0.1864	0.1864		2,943.8388	2,943.8388	0.0564	0.0540	2,961.7546
Racquet Club	0.939816	0.0101	0.0921	0.0774	5.5000e-004		7.0000e-003	7.0000e-003		7.0000e-003	7.0000e-003		110.5666	110.5666	2.1200e-003	2.0300e-003	111.2395
Single Family Housing	398.186	4.2942	36.6955	15.6151	0.2342		2.9669	2.9669		2.9669	2.9669		46,845.3650	46,845.3650	0.8979	0.8588	47,130.4581
Strip Mall	27.3876	0.2954	2.6851	2.2555	0.0161		0.2041	0.2041		0.2041	0.2041		3,222.0693	3,222.0693	0.0618	0.0591	3,241.6783
Apartments Low Rise	833.469	8.9884	76.8099	32.6851	0.4903		6.2102	6.2102		6.2102	6.2102		98,055.1372	98,055.1372	1.8794	1.7977	98,651.8844
Government (Civic Center)	115.428	1.2448	11.3165	9.5058	0.0679		0.8601	0.8601		0.8601	0.8601		13,579.7518	13,579.7518	0.2603	0.2490	13,662.3959
<b>Total</b>		<b>15.1027</b>	<b>130.0523</b>	<b>62.1995</b>	<b>0.8238</b>		<b>10.4346</b>	<b>10.4346</b>		<b>10.4346</b>	<b>10.4346</b>		<b>164,756.7288</b>	<b>164,756.7288</b>	<b>3.1578</b>	<b>3.0205</b>	<b>165,759.4108</b>

### 6.0 Area Detail

#### 6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1,513.433 1	32.8269	2,848.553 5	0.1508		57.5968	57.5968		57.1572	57.1572	0.0000	664,576.8 120	664,576.8 120	17.5362	12.0897	668,692.8 632
Unmitigated	1,513.433 1	32.8269	2,848.553 5	0.1508		57.5968	57.5968		57.1572	57.1572	0.0000	664,576.8 120	664,576.8 120	17.5362	12.0897	668,692.8 632

## 6.2 Area by SubCategory

### Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	376.2979					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	991.5690					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	60.4482	2.7500e-003	3.2972	0.0000		41.7642	41.7642		41.3246	41.3246	0.0000	659,435.2 941	659,435.2 941	12.6392	12.0897	663,448.5 074
Landscaping	85.1180	32.8242	2,845.256 3	0.1508		15.8326	15.8326		15.8326	15.8326		5,141.517 9	5,141.517 9	4.8970		5,244.355 8
<b>Total</b>	<b>1,513.433 1</b>	<b>32.8269</b>	<b>2,848.553 5</b>	<b>0.1508</b>		<b>57.5968</b>	<b>57.5968</b>		<b>57.1572</b>	<b>57.1572</b>	<b>0.0000</b>	<b>664,576.8 120</b>	<b>664,576.8 120</b>	<b>17.5362</b>	<b>12.0897</b>	<b>668,692.8 632</b>

## 6.2 Area by SubCategory

### Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	376.2979					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	991.5690					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	60.4482	2.7500e-003	3.2972	0.0000		41.7642	41.7642		41.3246	41.3246	0.0000	659,435.2941	659,435.2941	12.6392	12.0897	663,448.5074
Landscaping	85.1180	32.8242	2,845.2563	0.1508		15.8326	15.8326		15.8326	15.8326		5,141.5179	5,141.5179	4.8970		5,244.3558
<b>Total</b>	<b>1,513.4331</b>	<b>32.8269</b>	<b>2,848.5535</b>	<b>0.1508</b>		<b>57.5968</b>	<b>57.5968</b>		<b>57.1572</b>	<b>57.1572</b>	<b>0.0000</b>	<b>664,576.8120</b>	<b>664,576.8120</b>	<b>17.5362</b>	<b>12.0897</b>	<b>668,692.8632</b>

## 7.0 Water Detail

### 7.1 Mitigation Measures Water

## 8.0 Waste Detail

### 8.1 Mitigation Measures Waste

## 9.0 Operational Offroad

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



**6086 Uptown - Adopted Plan 2035**  
**San Diego County APCD Air District, Winter**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Government (Civic Center)	2,314.90	1000sqft	53.14	2,314,900.00	0
Hotel	220.00	Room	7.33	174,000.00	0
Racquet Club	31.10	1000sqft	0.71	31,100.00	0
Apartments Low Rise	29,060.00	Dwelling Unit	1,816.25	29,060,000.00	83112
Single Family Housing	5,540.00	Dwelling Unit	1,798.70	9,972,000.00	15844
Strip Mall	4,783.00	1000sqft	109.80	4,783,000.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.6	<b>Precipitation Freq (Days)</b>	40
<b>Climate Zone</b>	13			<b>Operational Year</b>	2035
<b>Utility Company</b>	San Diego Gas & Electric				
<b>CO2 Intensity (lb/MWhr)</b>	433.73	<b>CH4 Intensity (lb/MWhr)</b>	0.017	<b>N2O Intensity (lb/MWhr)</b>	0.004

**1.3 User Entered Comments & Non-Default Data**

Project Characteristics - RPS 2030 goal 50%

CalEEMod accounts for 10.2%

Additional 39.8% reduction applied

(433.73, 0.017, 0.004)

Land Use - Uptown adopted land uses

Construction Phase - Construction calculated separately

Woodstoves - No woodstoves or woodburning fireplaces

Area Coating - SDAPCD Rule 67

Energy Use - 2013 Title 24

Water And Wastewater - CalGreen 20% indoor water reduction

Area Mitigation -

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	150
tblConstructionPhase	NumDays	155,000.00	1.00
tblEnergyUse	T24E	184.75	141.70
tblEnergyUse	T24E	5.69	4.45
tblEnergyUse	T24E	5.84	4.57
tblEnergyUse	T24E	1.48	1.16
tblEnergyUse	T24E	425.62	270.69
tblEnergyUse	T24E	3.89	3.04
tblEnergyUse	T24NG	8,285.40	7,970.55
tblEnergyUse	T24NG	16.83	14.00
tblEnergyUse	T24NG	49.75	41.39
tblEnergyUse	T24NG	4.54	3.78
tblEnergyUse	T24NG	21,834.49	20,415.25
tblEnergyUse	T24NG	1.20	1.00
tblFireplaces	NumberGas	15,983.00	26,154.00
tblFireplaces	NumberGas	3,047.00	4,986.00
tblFireplaces	NumberWood	10,171.00	0.00

tblFireplaces	NumberWood	1,939.00	0.00
tblLandUse	LandUseSquareFeet	319,440.00	174,000.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.017
tblProjectCharacteristics	CO2IntensityFactor	720.49	433.73
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.004
tblProjectCharacteristics	OperationalYear	2014	2035
tblWater	IndoorWaterUseRate	1,893,375,984.56	1,514,700,787.65
tblWater	IndoorWaterUseRate	459,877,306.81	367,901,845.45
tblWater	IndoorWaterUseRate	5,580,689.40	4,464,551.52
tblWater	IndoorWaterUseRate	1,839,351.78	1,471,481.42
tblWater	IndoorWaterUseRate	360,953,301.94	288,762,641.55
tblWater	IndoorWaterUseRate	354,288,870.26	283,431,096.21
tblWoodstoves	NumberCatalytic	1,453.00	0.00
tblWoodstoves	NumberCatalytic	277.00	0.00
tblWoodstoves	NumberNoncatalytic	1,453.00	0.00
tblWoodstoves	NumberNoncatalytic	277.00	0.00
tblWoodstoves	WoodstoveDayYear	82.00	0.00
tblWoodstoves	WoodstoveDayYear	82.00	0.00
tblWoodstoves	WoodstoveWoodMass	3,019.20	0.00
tblWoodstoves	WoodstoveWoodMass	3,019.20	0.00

## 2.0 Emissions Summary

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## 2.2 Overall Operational

### Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1,513.433 1	32.8269	2,848.553 5	0.1508		57.5968	57.5968		57.1572	57.1572	0.0000	664,576.8 120	664,576.8 120	17.5362	12.0897	668,692.8 632
Energy	15.1027	130.0523	62.1995	0.8238		10.4346	10.4346		10.4346	10.4346		164,756.7 288	164,756.7 288	3.1578	3.0205	165,759.4 108
Mobile	1,095.628 5	1,715.270 5	10,072.15 34	36.4494	2,557.255 2	41.4717	2,598.726 9	682.5095	38.3119	720.8214		2,539,899. 3885	2,539,899. 3885	77.6173		2,541,529. 3512
<b>Total</b>	<b>2,624.164 3</b>	<b>1,878.149 7</b>	<b>12,982.90 64</b>	<b>37.4239</b>	<b>2,557.255 2</b>	<b>109.5031</b>	<b>2,666.758 3</b>	<b>682.5095</b>	<b>105.9037</b>	<b>788.4132</b>	<b>0.0000</b>	<b>3,369,232. 9293</b>	<b>3,369,232. 9293</b>	<b>98.3113</b>	<b>15.1102</b>	<b>3,375,981. 6251</b>

### Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1,513.433 1	32.8269	2,848.553 5	0.1508		57.5968	57.5968		57.1572	57.1572	0.0000	664,576.8 120	664,576.8 120	17.5362	12.0897	668,692.8 632
Energy	15.1027	130.0523	62.1995	0.8238		10.4346	10.4346		10.4346	10.4346		164,756.7 288	164,756.7 288	3.1578	3.0205	165,759.4 108
Mobile	1,095.628 5	1,715.270 5	10,072.15 34	36.4494	2,557.255 2	41.4717	2,598.726 9	682.5095	38.3119	720.8214		2,539,899. 3885	2,539,899. 3885	77.6173		2,541,529. 3512
<b>Total</b>	<b>2,624.164 3</b>	<b>1,878.149 7</b>	<b>12,982.90 64</b>	<b>37.4239</b>	<b>2,557.255 2</b>	<b>109.5031</b>	<b>2,666.758 3</b>	<b>682.5095</b>	<b>105.9037</b>	<b>788.4132</b>	<b>0.0000</b>	<b>3,369,232. 9293</b>	<b>3,369,232. 9293</b>	<b>98.3113</b>	<b>15.1102</b>	<b>3,375,981. 6251</b>

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

### 3.0 Construction Detail

#### Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Building Construction	Building Construction	1/1/2017	1/2/2017	5	1	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

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

#### OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Building Construction	Cranes	1	7.00	226	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45

#### 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
Building Construction	9	25,275.00	4,896.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

### 3.1 Mitigation Measures Construction

### 3.2 Building Construction - 2017

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.1024	26.4057	18.1291	0.0268		1.7812	1.7812		1.6730	1.6730		2,639.8053	2,639.8053	0.6497		2,653.4490
<b>Total</b>	<b>3.1024</b>	<b>26.4057</b>	<b>18.1291</b>	<b>0.0268</b>		<b>1.7812</b>	<b>1.7812</b>		<b>1.6730</b>	<b>1.6730</b>		<b>2,639.8053</b>	<b>2,639.8053</b>	<b>0.6497</b>		<b>2,653.4490</b>

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	53.9882	424.7635	694.2557	1.1569	32.4984	6.1524	38.6509	9.2719	5.6584	14.9303		113,956.2923	113,956.2923	0.8763		113,974.6946
Worker	84.8473	105.7268	988.6835	2.4692	207.6281	1.5098	209.1379	55.0727	1.3927	56.4653		198,193.443	198,193.443	10.1762		198,407.1453
<b>Total</b>	<b>138.8355</b>	<b>530.4903</b>	<b>1,682.9392</b>	<b>3.6261</b>	<b>240.1266</b>	<b>7.6622</b>	<b>247.7888</b>	<b>64.3446</b>	<b>7.0510</b>	<b>71.3956</b>		<b>312,149.7367</b>	<b>312,149.7367</b>	<b>11.0525</b>		<b>312,381.8398</b>

### 3.2 Building Construction - 2017

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.1024	26.4057	18.1291	0.0268		1.7812	1.7812		1.6730	1.6730	0.0000	2,639.8053	2,639.8053	0.6497		2,653.4490
<b>Total</b>	<b>3.1024</b>	<b>26.4057</b>	<b>18.1291</b>	<b>0.0268</b>		<b>1.7812</b>	<b>1.7812</b>		<b>1.6730</b>	<b>1.6730</b>	<b>0.0000</b>	<b>2,639.8053</b>	<b>2,639.8053</b>	<b>0.6497</b>		<b>2,653.4490</b>

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	53.9882	424.7635	694.2557	1.1569	32.4984	6.1524	38.6509	9.2719	5.6584	14.9303		113,956.2923	113,956.2923	0.8763		113,974.6946
Worker	84.8473	105.7268	988.6835	2.4692	207.6281	1.5098	209.1379	55.0727	1.3927	56.4653		198,193.4443	198,193.4443	10.1762		198,407.1453
<b>Total</b>	<b>138.8355</b>	<b>530.4903</b>	<b>1,682.9392</b>	<b>3.6261</b>	<b>240.1266</b>	<b>7.6622</b>	<b>247.7888</b>	<b>64.3446</b>	<b>7.0510</b>	<b>71.3956</b>		<b>312,149.7367</b>	<b>312,149.7367</b>	<b>11.0525</b>		<b>312,381.8398</b>

### 4.0 Operational Detail - Mobile



### 4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1,095,628.5	1,715,270.5	10,072.1534	36.4494	2,557.2552	41.4717	2,598.7269	682.5095	38.3119	720.8214		2,539,899.3885	2,539,899.3885	77.6173		2,541,529.3512
Unmitigated	1,095,628.5	1,715,270.5	10,072.1534	36.4494	2,557.2552	41.4717	2,598.7269	682.5095	38.3119	720.8214		2,539,899.3885	2,539,899.3885	77.6173		2,541,529.3512

### 4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	191,505.40	208,069.60	176394.20	547,398,691	547,398,691
Government (Civic Center)	64,632.01	0.00	0.00	88,252,098	88,252,098
Hotel	1,797.40	1,801.80	1309.00	3,283,569	3,283,569
Racquet Club	1,024.12	649.06	831.30	1,604,003	1,604,003
Single Family Housing	53,017.80	55,843.20	48585.80	150,726,570	150,726,570
Strip Mall	211,982.56	201,077.32	97716.69	298,921,911	298,921,911
<b>Total</b>	<b>523,959.29</b>	<b>467,440.98</b>	<b>324,836.99</b>	<b>1,090,186,843</b>	<b>1,090,186,843</b>

### 4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Low Rise	10.80	7.30	7.50	41.60	18.80	39.60	86	11	3
Government (Civic Center)	9.50	7.30	7.30	75.00	20.00	5.00	50	34	16
Hotel	9.50	7.30	7.30	19.40	61.60	19.00	58	38	4
Racquet Club	9.50	7.30	7.30	11.50	69.50	19.00	52	39	9
Single Family Housing	10.80	7.30	7.50	41.60	18.80	39.60	86	11	3
Strip Mall	9.50	7.30	7.30	16.60	64.40	19.00	45	40	15

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.511887	0.074493	0.190892	0.129437	0.036275	0.005211	0.012579	0.024993	0.001957	0.001971	0.006467	0.000450	0.003389

### 5.0 Energy Detail

#### 4.4 Fleet Mix

Historical Energy Use: N

### 5.1 Mitigation Measures Energy

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
NaturalGas Mitigated	15.1027	130.0523	62.1995	0.8238		10.4346	10.4346		10.4346	10.4346		164,756.7288	164,756.7288	3.1578	3.0205	165,759.4108
NaturalGas Unmitigated	15.1027	130.0523	62.1995	0.8238		10.4346	10.4346		10.4346	10.4346		164,756.7288	164,756.7288	3.1578	3.0205	165,759.4108

## 5.2 Energy by Land Use - NaturalGas

### Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Hotel	25022.6	0.2699	2.4532	2.0607	0.0147		0.1864	0.1864		0.1864	0.1864		2,943.8388	2,943.8388	0.0564	0.0540	2,961.7546
Racquet Club	939.816	0.0101	0.0921	0.0774	5.5000e-004		7.0000e-003	7.0000e-003		7.0000e-003	7.0000e-003		110.5666	110.5666	2.1200e-003	2.0300e-003	111.2395
Single Family Housing	398186	4.2942	36.6955	15.6151	0.2342		2.9669	2.9669		2.9669	2.9669		46,845.3650	46,845.3650	0.8979	0.8588	47,130.4581
Strip Mall	27387.6	0.2954	2.6851	2.2555	0.0161		0.2041	0.2041		0.2041	0.2041		3,222.0693	3,222.0693	0.0618	0.0591	3,241.6783
Apartments Low Rise	833469	8.9884	76.8099	32.6851	0.4903		6.2102	6.2102		6.2102	6.2102		98,055.1372	98,055.1372	1.8794	1.7977	98,651.8844
Government (Civic Center)	115428	1.2448	11.3165	9.5058	0.0679		0.8601	0.8601		0.8601	0.8601		13,579.7518	13,579.7518	0.2603	0.2490	13,662.3959
<b>Total</b>		<b>15.1027</b>	<b>130.0523</b>	<b>62.1995</b>	<b>0.8238</b>		<b>10.4346</b>	<b>10.4346</b>		<b>10.4346</b>	<b>10.4346</b>		<b>164,756.7288</b>	<b>164,756.7288</b>	<b>3.1578</b>	<b>3.0205</b>	<b>165,759.4108</b>

### 5.2 Energy by Land Use - NaturalGas

#### Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Hotel	25.0226	0.2699	2.4532	2.0607	0.0147		0.1864	0.1864		0.1864	0.1864		2,943.8388	2,943.8388	0.0564	0.0540	2,961.7546
Racquet Club	0.939816	0.0101	0.0921	0.0774	5.5000e-004		7.0000e-003	7.0000e-003		7.0000e-003	7.0000e-003		110.5666	110.5666	2.1200e-003	2.0300e-003	111.2395
Single Family Housing	398.186	4.2942	36.6955	15.6151	0.2342		2.9669	2.9669		2.9669	2.9669		46,845.3650	46,845.3650	0.8979	0.8588	47,130.4581
Strip Mall	27.3876	0.2954	2.6851	2.2555	0.0161		0.2041	0.2041		0.2041	0.2041		3,222.0693	3,222.0693	0.0618	0.0591	3,241.6783
Apartments Low Rise	833.469	8.9884	76.8099	32.6851	0.4903		6.2102	6.2102		6.2102	6.2102		98,055.1372	98,055.1372	1.8794	1.7977	98,651.8844
Government (Civic Center)	115.428	1.2448	11.3165	9.5058	0.0679		0.8601	0.8601		0.8601	0.8601		13,579.7518	13,579.7518	0.2603	0.2490	13,662.3959
<b>Total</b>		<b>15.1027</b>	<b>130.0523</b>	<b>62.1995</b>	<b>0.8238</b>		<b>10.4346</b>	<b>10.4346</b>		<b>10.4346</b>	<b>10.4346</b>		<b>164,756.7288</b>	<b>164,756.7288</b>	<b>3.1578</b>	<b>3.0205</b>	<b>165,759.4108</b>

### 6.0 Area Detail

#### 6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1,513.433 1	32.8269	2,848.553 5	0.1508		57.5968	57.5968		57.1572	57.1572	0.0000	664,576.8 120	664,576.8 120	17.5362	12.0897	668,692.8 632
Unmitigated	1,513.433 1	32.8269	2,848.553 5	0.1508		57.5968	57.5968		57.1572	57.1572	0.0000	664,576.8 120	664,576.8 120	17.5362	12.0897	668,692.8 632

## 6.2 Area by SubCategory

### Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	376.2979					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	991.5690					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	60.4482	2.7500e-003	3.2972	0.0000		41.7642	41.7642		41.3246	41.3246	0.0000	659,435.2 941	659,435.2 941	12.6392	12.0897	663,448.5 074
Landscaping	85.1180	32.8242	2,845.256 3	0.1508		15.8326	15.8326		15.8326	15.8326		5,141.517 9	5,141.517 9	4.8970		5,244.355 8
<b>Total</b>	<b>1,513.433 1</b>	<b>32.8269</b>	<b>2,848.553 5</b>	<b>0.1508</b>		<b>57.5968</b>	<b>57.5968</b>		<b>57.1572</b>	<b>57.1572</b>	<b>0.0000</b>	<b>664,576.8 120</b>	<b>664,576.8 120</b>	<b>17.5362</b>	<b>12.0897</b>	<b>668,692.8 632</b>

## 6.2 Area by SubCategory

### Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	376.2979					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	991.5690					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	60.4482	2.7500e-003	3.2972	0.0000		41.7642	41.7642		41.3246	41.3246	0.0000	659,435.2941	659,435.2941	12.6392	12.0897	663,448.5074
Landscaping	85.1180	32.8242	2,845.2563	0.1508		15.8326	15.8326		15.8326	15.8326		5,141.5179	5,141.5179	4.8970		5,244.3558
<b>Total</b>	<b>1,513.4331</b>	<b>32.8269</b>	<b>2,848.5535</b>	<b>0.1508</b>		<b>57.5968</b>	<b>57.5968</b>		<b>57.1572</b>	<b>57.1572</b>	<b>0.0000</b>	<b>664,576.8120</b>	<b>664,576.8120</b>	<b>17.5362</b>	<b>12.0897</b>	<b>668,692.8632</b>

## 7.0 Water Detail

### 7.1 Mitigation Measures Water

## 8.0 Waste Detail

### 8.1 Mitigation Measures Waste

## 9.0 Operational Offroad

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

**6086 Uptown - Proposed Plan 2035**  
**San Diego County APCD Air District, Summer**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Government (Civic Center)	2,485.70	1000sqft	57.06	2,485,700.00	0
Hotel	220.00	Room	7.33	174,000.00	0
Racquet Club	31.10	1000sqft	0.71	31,100.00	0
Apartments Low Rise	27,180.00	Dwelling Unit	1,698.75	27,180,000.00	77735
Single Family Housing	5,500.00	Dwelling Unit	1,785.71	9,900,000.00	15730
Strip Mall	4,785.20	1000sqft	109.85	4,785,200.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.6	<b>Precipitation Freq (Days)</b>	40
<b>Climate Zone</b>	13			<b>Operational Year</b>	2035
<b>Utility Company</b>	San Diego Gas & Electric				
<b>CO2 Intensity (lb/MW hr)</b>	433.73	<b>CH4 Intensity (lb/MW hr)</b>	0.017	<b>N2O Intensity (lb/MW hr)</b>	0.004

**1.3 User Entered Comments & Non-Default Data**

Project Characteristics - RPS 2030 goal  
 CalEEMod accounts for 10.2%  
 Additional 39.8% reduction applied  
 (433.73, 0.017, 0.004)

Land Use - Uptown proposed land uses

Construction Phase - Construction calculated separately

Woodstoves - No woodstoves or woodburning fireplaces

Area Coating - SDAPCD Rule 67

Energy Use - 2013 Title 24

Water And Wastewater - CalGreen 20% indoor water reduction

Area Mitigation -

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	150
tblConstructionPhase	NumDays	155,000.00	1.00
tblEnergyUse	T24E	184.75	141.70
tblEnergyUse	T24E	5.69	4.45
tblEnergyUse	T24E	5.84	4.57
tblEnergyUse	T24E	1.48	1.16
tblEnergyUse	T24E	425.62	270.69
tblEnergyUse	T24E	3.89	3.04
tblEnergyUse	T24NG	8,285.40	7,970.55
tblEnergyUse	T24NG	16.83	14.00
tblEnergyUse	T24NG	49.75	41.39
tblEnergyUse	T24NG	4.54	3.78
tblEnergyUse	T24NG	21,834.49	20,415.25
tblEnergyUse	T24NG	1.20	1.00
tblFireplaces	NumberGas	14,949.00	24,462.00
tblFireplaces	NumberGas	3,025.00	4,950.00
tblFireplaces	NumberWood	9,513.00	0.00



tblFireplaces	NumberWood	1,925.00	0.00
tblLandUse	LandUseSquareFeet	319,440.00	174,000.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.017
tblProjectCharacteristics	CO2IntensityFactor	720.49	433.73
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.004
tblProjectCharacteristics	OperationalYear	2014	2035
tblWater	IndoorWaterUseRate	1,770,886,416.39	1,416,709,133.11
tblWater	IndoorWaterUseRate	493,808,381.15	395,046,704.92
tblWater	IndoorWaterUseRate	5,580,689.40	4,464,551.52
tblWater	IndoorWaterUseRate	1,839,351.78	1,471,481.42
tblWater	IndoorWaterUseRate	358,347,140.92	286,677,712.74
tblWater	IndoorWaterUseRate	354,451,829.81	283,561,463.85
tblWoodstoves	NumberCatalytic	1,359.00	0.00
tblWoodstoves	NumberCatalytic	275.00	0.00
tblWoodstoves	NumberNoncatalytic	1,359.00	0.00
tblWoodstoves	NumberNoncatalytic	275.00	0.00
tblWoodstoves	WoodstoveDayYear	82.00	0.00
tblWoodstoves	WoodstoveDayYear	82.00	0.00
tblWoodstoves	WoodstoveWoodMass	3,019.20	0.00
tblWoodstoves	WoodstoveWoodMass	3,019.20	0.00

## 2.0 Emissions Summary

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**2.2 Overall Operational****Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1,451.547 1	31.0058	2,690.542 4	0.1424		54.4009	54.4009		53.9857	53.9857	0.0000	627,698.6 883	627,698.6 883	16.5634	11.4188	631,586.3 412
Energy	14.5822	125.6544	60.6747	0.7954		10.0750	10.0750		10.0750	10.0750		159,078.3 771	159,078.3 771	3.0490	2.9164	160,046.5 016
Mobile	1,015.689 0	1,581.211 0	9,195.191 0	37.4079	2,493.109 2	40.3347	2,533.443 9	665.3895	37.2622	702.6517		2,597,618. 0076	2,597,618. 0076	75.5953		2,599,205. 5085
<b>Total</b>	<b>2,481.818 3</b>	<b>1,737.871 2</b>	<b>11,946.40 81</b>	<b>38.3457</b>	<b>2,493.109 2</b>	<b>104.8105</b>	<b>2,597.919 7</b>	<b>665.3895</b>	<b>101.3228</b>	<b>766.7123</b>	<b>0.0000</b>	<b>3,384,395. 0730</b>	<b>3,384,395. 0730</b>	<b>95.2077</b>	<b>14.3352</b>	<b>3,390,838. 3513</b>

**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1,451.547 1	31.0058	2,690.542 4	0.1424		54.4009	54.4009		53.9857	53.9857	0.0000	627,698.6 883	627,698.6 883	16.5634	11.4188	631,586.3 412
Energy	14.5822	125.6544	60.6747	0.7954		10.0750	10.0750		10.0750	10.0750		159,078.3 771	159,078.3 771	3.0490	2.9164	160,046.5 016
Mobile	1,015.689 0	1,581.211 0	9,195.191 0	37.4079	2,493.109 2	40.3347	2,533.443 9	665.3895	37.2622	702.6517		2,597,618. 0076	2,597,618. 0076	75.5953		2,599,205. 5085
<b>Total</b>	<b>2,481.818 3</b>	<b>1,737.871 2</b>	<b>11,946.40 81</b>	<b>38.3457</b>	<b>2,493.109 2</b>	<b>104.8105</b>	<b>2,597.919 7</b>	<b>665.3895</b>	<b>101.3228</b>	<b>766.7123</b>	<b>0.0000</b>	<b>3,384,395. 0730</b>	<b>3,384,395. 0730</b>	<b>95.2077</b>	<b>14.3352</b>	<b>3,390,838. 3513</b>

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

### 3.0 Construction Detail

#### Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Building Construction	Building Construction	1/1/2017	1/2/2017	5	1	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

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

#### OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Building Construction	Cranes	1	7.00	226	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45

#### 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
Building Construction	9	23,962.00	4,719.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

### 3.1 Mitigation Measures Construction

### 3.2 Building Construction - 2017

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.1024	26.4057	18.1291	0.0268		1.7812	1.7812		1.6730	1.6730		2,639.8053	2,639.8053	0.6497		2,653.4490
<b>Total</b>	<b>3.1024</b>	<b>26.4057</b>	<b>18.1291</b>	<b>0.0268</b>		<b>1.7812</b>	<b>1.7812</b>		<b>1.6730</b>	<b>1.6730</b>		<b>2,639.8053</b>	<b>2,639.8053</b>	<b>0.6497</b>		<b>2,653.4490</b>

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	45.1222	399.9364	492.7278	1.1210	31.3236	5.8705	37.1941	8.9367	5.3991	14.3358		110,687.8661	110,687.8661	0.8224		110,705.1360
Worker	76.1309	89.3316	969.5973	2.4937	196.8421	1.4313	198.2735	52.2117	1.3203	53.5320		200,086.8796	200,086.8796	9.6476		200,289.4791
<b>Total</b>	<b>121.2531</b>	<b>489.2680</b>	<b>1,462.3251</b>	<b>3.6147</b>	<b>228.1657</b>	<b>7.3019</b>	<b>235.4676</b>	<b>61.1484</b>	<b>6.7194</b>	<b>67.8678</b>		<b>310,774.7457</b>	<b>310,774.7457</b>	<b>10.4700</b>		<b>310,994.6151</b>

### 3.2 Building Construction - 2017

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.1024	26.4057	18.1291	0.0268		1.7812	1.7812		1.6730	1.6730	0.0000	2,639.8053	2,639.8053	0.6497		2,653.4490
<b>Total</b>	<b>3.1024</b>	<b>26.4057</b>	<b>18.1291</b>	<b>0.0268</b>		<b>1.7812</b>	<b>1.7812</b>		<b>1.6730</b>	<b>1.6730</b>	<b>0.0000</b>	<b>2,639.8053</b>	<b>2,639.8053</b>	<b>0.6497</b>		<b>2,653.4490</b>

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	45.1222	399.9364	492.7278	1.1210	31.3236	5.8705	37.1941	8.9367	5.3991	14.3358		110,687.8661	110,687.8661	0.8224		110,705.1360
Worker	76.1309	89.3316	969.5973	2.4937	196.8421	1.4313	198.2735	52.2117	1.3203	53.5320		200,086.8796	200,086.8796	9.6476		200,289.4791
<b>Total</b>	<b>121.2531</b>	<b>489.2680</b>	<b>1,462.3251</b>	<b>3.6147</b>	<b>228.1657</b>	<b>7.3019</b>	<b>235.4676</b>	<b>61.1484</b>	<b>6.7194</b>	<b>67.8678</b>		<b>310,774.7457</b>	<b>310,774.7457</b>	<b>10.4700</b>		<b>310,994.6151</b>

### 4.0 Operational Detail - Mobile

### 4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1,015,689 0	1,581,211 0	9,195,191 0	37.4079	2,493,109 2	40.3347	2,533,443 9	665.3895	37.2622	702.6517		2,597,618. 0076	2,597,618. 0076	75.5953		2,599,205. 5085
Unmitigated	1,015,689 0	1,581,211 0	9,195,191 0	37.4079	2,493,109 2	40.3347	2,533,443 9	665.3895	37.2622	702.6517		2,597,618. 0076	2,597,618. 0076	75.5953		2,599,205. 5085

### 4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	179,116.20	194,608.80	164982.60	511,985,424	511,985,424
Government (Civic Center)	69,400.74	0.00	0.00	94,763,593	94,763,593
Hotel	1,797.40	1,801.80	1309.00	3,283,569	3,283,569
Racquet Club	1,024.12	649.06	831.30	1,604,003	1,604,003
Single Family Housing	52,635.00	55,440.00	48235.00	149,638,291	149,638,291
Strip Mall	212,080.06	201,169.81	97761.64	299,059,404	299,059,404
<b>Total</b>	<b>516,053.53</b>	<b>453,669.47</b>	<b>313,119.54</b>	<b>1,060,334,284</b>	<b>1,060,334,284</b>

### 4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Low Rise	10.80	7.30	7.50	41.60	18.80	39.60	86	11	3
Government (Civic Center)	9.50	7.30	7.30	75.00	20.00	5.00	50	34	16
Hotel	9.50	7.30	7.30	19.40	61.60	19.00	58	38	4
Racquet Club	9.50	7.30	7.30	11.50	69.50	19.00	52	39	9
Single Family Housing	10.80	7.30	7.50	41.60	18.80	39.60	86	11	3
Strip Mall	9.50	7.30	7.30	16.60	64.40	19.00	45	40	15

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.511887	0.074493	0.190892	0.129437	0.036275	0.005211	0.012579	0.024993	0.001957	0.001971	0.006467	0.000450	0.003389

### 5.0 Energy Detail

#### 4.4 Fleet Mix

Historical Energy Use: N

### 5.1 Mitigation Measures Energy

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
NaturalGas Mitigated	14.5822	125.6544	60.6747	0.7954		10.0750	10.0750		10.0750	10.0750		159,078.3771	159,078.3771	3.0490	2.9164	160,046.5016
NaturalGas Unmitigated	14.5822	125.6544	60.6747	0.7954		10.0750	10.0750		10.0750	10.0750		159,078.3771	159,078.3771	3.0490	2.9164	160,046.5016



### 5.2 Energy by Land Use - NaturalGas

#### Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Hotel	25022.6	0.2699	2.4532	2.0607	0.0147		0.1864	0.1864		0.1864	0.1864		2,943.8388	2,943.8388	0.0564	0.0540	2,961.7546
Racquet Club	939.816	0.0101	0.0921	0.0774	5.5000e-004		7.0000e-003	7.0000e-003		7.0000e-003	7.0000e-003		110.5666	110.5666	2.1200e-003	2.0300e-003	111.2395
Single Family Housing	395311	4.2632	36.4306	15.5024	0.2325		2.9455	2.9455		2.9455	2.9455		46,507.1314	46,507.1314	0.8914	0.8526	46,790.1660
Strip Mall	27400.2	0.2955	2.6863	2.2565	0.0161		0.2042	0.2042		0.2042	0.2042		3,223.5513	3,223.5513	0.0618	0.0591	3,243.1693
Apartments Low Rise	779548	8.4069	71.8407	30.5705	0.4586		5.8084	5.8084		5.8084	5.8084		91,711.5839	91,711.5839	1.7578	1.6814	92,269.7253
Government (Civic Center)	123944	1.3367	12.1514	10.2072	0.0729		0.9235	0.9235		0.9235	0.9235		14,581.7051	14,581.7051	0.2795	0.2673	14,670.4469
<b>Total</b>		<b>14.5822</b>	<b>125.6544</b>	<b>60.6747</b>	<b>0.7954</b>		<b>10.0750</b>	<b>10.0750</b>		<b>10.0750</b>	<b>10.0750</b>		<b>159,078.3771</b>	<b>159,078.3771</b>	<b>3.0490</b>	<b>2.9164</b>	<b>160,046.5016</b>

### 5.2 Energy by Land Use - NaturalGas

#### Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Hotel	25.0226	0.2699	2.4532	2.0607	0.0147		0.1864	0.1864		0.1864	0.1864		2,943.8388	2,943.8388	0.0564	0.0540	2,961.7546
Racquet Club	0.939816	0.0101	0.0921	0.0774	5.5000e-004		7.0000e-003	7.0000e-003		7.0000e-003	7.0000e-003		110.5666	110.5666	2.1200e-003	2.0300e-003	111.2395
Single Family Housing	395.311	4.2632	36.4306	15.5024	0.2325		2.9455	2.9455		2.9455	2.9455		46,507.1314	46,507.1314	0.8914	0.8526	46,790.1660
Strip Mall	27.4002	0.2955	2.6863	2.2565	0.0161		0.2042	0.2042		0.2042	0.2042		3,223.5513	3,223.5513	0.0618	0.0591	3,243.1693
Apartments Low Rise	779.548	8.4069	71.8407	30.5705	0.4586		5.8084	5.8084		5.8084	5.8084		91,711.5839	91,711.5839	1.7578	1.6814	92,269.7253
Government (Civic Center)	123.944	1.3367	12.1514	10.2072	0.0729		0.9235	0.9235		0.9235	0.9235		14,581.7051	14,581.7051	0.2795	0.2673	14,670.4469
<b>Total</b>		<b>14.5822</b>	<b>125.6544</b>	<b>60.6747</b>	<b>0.7954</b>		<b>10.0750</b>	<b>10.0750</b>		<b>10.0750</b>	<b>10.0750</b>		<b>159,078.3771</b>	<b>159,078.3771</b>	<b>3.0490</b>	<b>2.9164</b>	<b>160,046.5016</b>

### 6.0 Area Detail

#### 6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1,451.547 1	31.0058	2,690.542 4	0.1424		54.4009	54.4009		53.9857	53.9857	0.0000	627,698.6 883	627,698.6 883	16.5634	11.4188	631,586.3 412
Unmitigated	1,451.547 1	31.0058	2,690.542 4	0.1424		54.4009	54.4009		53.9857	53.9857	0.0000	627,698.6 883	627,698.6 883	16.5634	11.4188	631,586.3 412

## 6.2 Area by SubCategory

### Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	360.5548					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	953.4984					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	57.0939	2.6000e-003	3.1142	0.0000		39.4467	39.4467		39.0315	39.0315	0.0000	622,842.3 529	622,842.3 529	11.9378	11.4188	626,632.8 677
Landscaping	80.4001	31.0032	2,687.428 2	0.1424		14.9542	14.9542		14.9542	14.9542		4,856.335 4	4,856.335 4	4.6256		4,953.473 5
<b>Total</b>	<b>1,451.547 1</b>	<b>31.0058</b>	<b>2,690.542 4</b>	<b>0.1424</b>		<b>54.4009</b>	<b>54.4009</b>		<b>53.9857</b>	<b>53.9857</b>	<b>0.0000</b>	<b>627,698.6 883</b>	<b>627,698.6 883</b>	<b>16.5634</b>	<b>11.4188</b>	<b>631,586.3 412</b>

## 6.2 Area by SubCategory

### Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	360.5548					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	953.4984					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	57.0939	2.6000e-003	3.1142	0.0000		39.4467	39.4467		39.0315	39.0315	0.0000	622,842.3529	622,842.3529	11.9378	11.4188	626,632.8677
Landscaping	80.4001	31.0032	2,687.4282	0.1424		14.9542	14.9542		14.9542	14.9542		4,856.3354	4,856.3354	4.6256		4,953.4735
<b>Total</b>	<b>1,451.5471</b>	<b>31.0058</b>	<b>2,690.5424</b>	<b>0.1424</b>		<b>54.4009</b>	<b>54.4009</b>		<b>53.9857</b>	<b>53.9857</b>	<b>0.0000</b>	<b>627,698.6883</b>	<b>627,698.6883</b>	<b>16.5634</b>	<b>11.4188</b>	<b>631,586.3412</b>

## 7.0 Water Detail

### 7.1 Mitigation Measures Water

## 8.0 Waste Detail

### 8.1 Mitigation Measures Waste

## 9.0 Operational Offroad

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

**6086 Uptown - Proposed Plan 2035**  
**San Diego County APCD Air District, Winter**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Government (Civic Center)	2,485.70	1000sqft	57.06	2,485,700.00	0
Hotel	220.00	Room	7.33	174,000.00	0
Racquet Club	31.10	1000sqft	0.71	31,100.00	0
Apartments Low Rise	27,180.00	Dwelling Unit	1,698.75	27,180,000.00	77735
Single Family Housing	5,500.00	Dwelling Unit	1,785.71	9,900,000.00	15730
Strip Mall	4,785.20	1000sqft	109.85	4,785,200.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.6	<b>Precipitation Freq (Days)</b>	40
<b>Climate Zone</b>	13			<b>Operational Year</b>	2035
<b>Utility Company</b>	San Diego Gas & Electric				
<b>CO2 Intensity (lb/MW hr)</b>	433.73	<b>CH4 Intensity (lb/MW hr)</b>	0.017	<b>N2O Intensity (lb/MW hr)</b>	0.004

**1.3 User Entered Comments & Non-Default Data**

Project Characteristics - RPS 2030 goal  
 CalEEMod accounts for 10.2%  
 Additional 39.8% reduction applied  
 (433.73, 0.017, 0.004)

Land Use - Uptown proposed land uses

Construction Phase - Construction calculated separately

Woodstoves - No woodstoves or woodburning fireplaces

Area Coating - SDAPCD Rule 67

Energy Use - 2013 Title 24

Water And Wastewater - CalGreen 20% indoor water reduction

Area Mitigation -

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	150
tblConstructionPhase	NumDays	155,000.00	1.00
tblEnergyUse	T24E	184.75	141.70
tblEnergyUse	T24E	5.69	4.45
tblEnergyUse	T24E	5.84	4.57
tblEnergyUse	T24E	1.48	1.16
tblEnergyUse	T24E	425.62	270.69
tblEnergyUse	T24E	3.89	3.04
tblEnergyUse	T24NG	8,285.40	7,970.55
tblEnergyUse	T24NG	16.83	14.00
tblEnergyUse	T24NG	49.75	41.39
tblEnergyUse	T24NG	4.54	3.78
tblEnergyUse	T24NG	21,834.49	20,415.25
tblEnergyUse	T24NG	1.20	1.00
tblFireplaces	NumberGas	14,949.00	24,462.00
tblFireplaces	NumberGas	3,025.00	4,950.00
tblFireplaces	NumberWood	9,513.00	0.00

tblFireplaces	NumberWood	1,925.00	0.00
tblLandUse	LandUseSquareFeet	319,440.00	174,000.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.017
tblProjectCharacteristics	CO2IntensityFactor	720.49	433.73
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.004
tblProjectCharacteristics	OperationalYear	2014	2035
tblWater	IndoorWaterUseRate	1,770,886,416.39	1,416,709,133.11
tblWater	IndoorWaterUseRate	493,808,381.15	395,046,704.92
tblWater	IndoorWaterUseRate	5,580,689.40	4,464,551.52
tblWater	IndoorWaterUseRate	1,839,351.78	1,471,481.42
tblWater	IndoorWaterUseRate	358,347,140.92	286,677,712.74
tblWater	IndoorWaterUseRate	354,451,829.81	283,561,463.85
tblWoodstoves	NumberCatalytic	1,359.00	0.00
tblWoodstoves	NumberCatalytic	275.00	0.00
tblWoodstoves	NumberNoncatalytic	1,359.00	0.00
tblWoodstoves	NumberNoncatalytic	275.00	0.00
tblWoodstoves	WoodstoveDayYear	82.00	0.00
tblWoodstoves	WoodstoveDayYear	82.00	0.00
tblWoodstoves	WoodstoveWoodMass	3,019.20	0.00
tblWoodstoves	WoodstoveWoodMass	3,019.20	0.00

## 2.0 Emissions Summary

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**2.2 Overall Operational****Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1,451.547 1	31.0058	2,690.542 4	0.1424		54.4009	54.4009		53.9857	53.9857	0.0000	627,698.6 883	627,698.6 883	16.5634	11.4188	631,586.3 412
Energy	14.5822	125.6544	60.6747	0.7954		10.0750	10.0750		10.0750	10.0750		159,078.3 771	159,078.3 771	3.0490	2.9164	160,046.5 016
Mobile	1,074.775 3	1,675.790 2	9,853.336 2	35.5464	2,493.109 2	40.4844	2,533.593 7	665.3895	37.4000	702.7895		2,476,960. 6580	2,476,960. 6580	75.7364		2,478,551. 1228
<b>Total</b>	<b>2,540.904 5</b>	<b>1,832.450 4</b>	<b>12,604.55 33</b>	<b>36.4842</b>	<b>2,493.109 2</b>	<b>104.9603</b>	<b>2,598.069 5</b>	<b>665.3895</b>	<b>101.4606</b>	<b>766.8501</b>	<b>0.0000</b>	<b>3,263,737. 7234</b>	<b>3,263,737. 7234</b>	<b>95.3489</b>	<b>14.3352</b>	<b>3,270,183. 9657</b>

**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1,451.547 1	31.0058	2,690.542 4	0.1424		54.4009	54.4009		53.9857	53.9857	0.0000	627,698.6 883	627,698.6 883	16.5634	11.4188	631,586.3 412
Energy	14.5822	125.6544	60.6747	0.7954		10.0750	10.0750		10.0750	10.0750		159,078.3 771	159,078.3 771	3.0490	2.9164	160,046.5 016
Mobile	1,074.775 3	1,675.790 2	9,853.336 2	35.5464	2,493.109 2	40.4844	2,533.593 7	665.3895	37.4000	702.7895		2,476,960. 6580	2,476,960. 6580	75.7364		2,478,551. 1228
<b>Total</b>	<b>2,540.904 5</b>	<b>1,832.450 4</b>	<b>12,604.55 33</b>	<b>36.4842</b>	<b>2,493.109 2</b>	<b>104.9603</b>	<b>2,598.069 5</b>	<b>665.3895</b>	<b>101.4606</b>	<b>766.8501</b>	<b>0.0000</b>	<b>3,263,737. 7234</b>	<b>3,263,737. 7234</b>	<b>95.3489</b>	<b>14.3352</b>	<b>3,270,183. 9657</b>

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

### 3.0 Construction Detail

#### Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Building Construction	Building Construction	1/1/2017	1/2/2017	5	1	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

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

#### OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Building Construction	Cranes	1	7.00	226	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45

#### 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
Building Construction	9	23,962.00	4,719.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

### 3.1 Mitigation Measures Construction

### 3.2 Building Construction - 2017

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.1024	26.4057	18.1291	0.0268		1.7812	1.7812		1.6730	1.6730		2,639.8053	2,639.8053	0.6497		2,653.4490
<b>Total</b>	<b>3.1024</b>	<b>26.4057</b>	<b>18.1291</b>	<b>0.0268</b>		<b>1.7812</b>	<b>1.7812</b>		<b>1.6730</b>	<b>1.6730</b>		<b>2,639.8053</b>	<b>2,639.8053</b>	<b>0.6497</b>		<b>2,653.4490</b>

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	52.0364	409.4074	669.1570	1.1151	31.3236	5.9300	37.2536	8.9367	5.4538	14.3905		109,836.5489	109,836.5489	0.8446		109,854.2859
Worker	80.4396	100.2345	937.3228	2.3409	196.8421	1.4313	198.2735	52.2117	1.3203	53.5320		187,897.5791	187,897.5791	9.6476		188,100.1786
<b>Total</b>	<b>132.4760</b>	<b>509.6419</b>	<b>1,606.4798</b>	<b>3.4560</b>	<b>228.1657</b>	<b>7.3614</b>	<b>235.5270</b>	<b>61.1484</b>	<b>6.7741</b>	<b>67.9225</b>		<b>297,734.1281</b>	<b>297,734.1281</b>	<b>10.4922</b>		<b>297,954.4645</b>

### 3.2 Building Construction - 2017

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.1024	26.4057	18.1291	0.0268		1.7812	1.7812		1.6730	1.6730	0.0000	2,639.8053	2,639.8053	0.6497		2,653.4490
<b>Total</b>	<b>3.1024</b>	<b>26.4057</b>	<b>18.1291</b>	<b>0.0268</b>		<b>1.7812</b>	<b>1.7812</b>		<b>1.6730</b>	<b>1.6730</b>	<b>0.0000</b>	<b>2,639.8053</b>	<b>2,639.8053</b>	<b>0.6497</b>		<b>2,653.4490</b>

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	52.0364	409.4074	669.1570	1.1151	31.3236	5.9300	37.2536	8.9367	5.4538	14.3905		109,836.5489	109,836.5489	0.8446		109,854.2859
Worker	80.4396	100.2345	937.3228	2.3409	196.8421	1.4313	198.2735	52.2117	1.3203	53.5320		187,897.5791	187,897.5791	9.6476		188,100.1786
<b>Total</b>	<b>132.4760</b>	<b>509.6419</b>	<b>1,606.4798</b>	<b>3.4560</b>	<b>228.1657</b>	<b>7.3614</b>	<b>235.5270</b>	<b>61.1484</b>	<b>6.7741</b>	<b>67.9225</b>		<b>297,734.1281</b>	<b>297,734.1281</b>	<b>10.4922</b>		<b>297,954.4645</b>

### 4.0 Operational Detail - Mobile

### 4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1,074.775 3	1,675.790 2	9,853.336 2	35.5464	2,493.109 2	40.4844	2,533.593 7	665.3895	37.4000	702.7895		2,476,960. 6580	2,476,960. 6580	75.7364		2,478,551. 1228
Unmitigated	1,074.775 3	1,675.790 2	9,853.336 2	35.5464	2,493.109 2	40.4844	2,533.593 7	665.3895	37.4000	702.7895		2,476,960. 6580	2,476,960. 6580	75.7364		2,478,551. 1228

### 4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	179,116.20	194,608.80	164,982.60	511,985,424	511,985,424
Government (Civic Center)	69,400.74	0.00	0.00	94,763,593	94,763,593
Hotel	1,797.40	1,801.80	1,309.00	3,283,569	3,283,569
Racquet Club	1,024.12	649.06	831.30	1,604,003	1,604,003
Single Family Housing	52,635.00	55,440.00	48,235.00	149,638,291	149,638,291
Strip Mall	212,080.06	201,169.81	97,761.64	299,059,404	299,059,404
<b>Total</b>	<b>516,053.53</b>	<b>453,669.47</b>	<b>313,119.54</b>	<b>1,060,334,284</b>	<b>1,060,334,284</b>

### 4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Low Rise	10.80	7.30	7.50	41.60	18.80	39.60	86	11	3
Government (Civic Center)	9.50	7.30	7.30	75.00	20.00	5.00	50	34	16
Hotel	9.50	7.30	7.30	19.40	61.60	19.00	58	38	4
Racquet Club	9.50	7.30	7.30	11.50	69.50	19.00	52	39	9
Single Family Housing	10.80	7.30	7.50	41.60	18.80	39.60	86	11	3
Strip Mall	9.50	7.30	7.30	16.60	64.40	19.00	45	40	15

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.511887	0.074493	0.190892	0.129437	0.036275	0.005211	0.012579	0.024993	0.001957	0.001971	0.006467	0.000450	0.003389

### 5.0 Energy Detail

#### 4.4 Fleet Mix

Historical Energy Use: N

### 5.1 Mitigation Measures Energy

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
NaturalGas Mitigated	14.5822	125.6544	60.6747	0.7954		10.0750	10.0750		10.0750	10.0750		159,078.3771	159,078.3771	3.0490	2.9164	160,046.5016
NaturalGas Unmitigated	14.5822	125.6544	60.6747	0.7954		10.0750	10.0750		10.0750	10.0750		159,078.3771	159,078.3771	3.0490	2.9164	160,046.5016

### 5.2 Energy by Land Use - NaturalGas

#### Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Hotel	25022.6	0.2699	2.4532	2.0607	0.0147		0.1864	0.1864		0.1864	0.1864		2,943.8388	2,943.8388	0.0564	0.0540	2,961.7546
Racquet Club	939.816	0.0101	0.0921	0.0774	5.5000e-004		7.0000e-003	7.0000e-003		7.0000e-003	7.0000e-003		110.5666	110.5666	2.1200e-003	2.0300e-003	111.2395
Single Family Housing	395311	4.2632	36.4306	15.5024	0.2325		2.9455	2.9455		2.9455	2.9455		46,507.1314	46,507.1314	0.8914	0.8526	46,790.1660
Strip Mall	27400.2	0.2955	2.6863	2.2565	0.0161		0.2042	0.2042		0.2042	0.2042		3,223.5513	3,223.5513	0.0618	0.0591	3,243.1693
Apartments Low Rise	779548	8.4069	71.8407	30.5705	0.4586		5.8084	5.8084		5.8084	5.8084		91,711.5839	91,711.5839	1.7578	1.6814	92,269.7253
Government (Civic Center)	123944	1.3367	12.1514	10.2072	0.0729		0.9235	0.9235		0.9235	0.9235		14,581.7051	14,581.7051	0.2795	0.2673	14,670.4469
<b>Total</b>		<b>14.5822</b>	<b>125.6544</b>	<b>60.6747</b>	<b>0.7954</b>		<b>10.0750</b>	<b>10.0750</b>		<b>10.0750</b>	<b>10.0750</b>		<b>159,078.3771</b>	<b>159,078.3771</b>	<b>3.0490</b>	<b>2.9164</b>	<b>160,046.5016</b>

### 5.2 Energy by Land Use - NaturalGas

#### Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Hotel	25.0226	0.2699	2.4532	2.0607	0.0147		0.1864	0.1864		0.1864	0.1864		2,943.8388	2,943.8388	0.0564	0.0540	2,961.7546
Racquet Club	0.939816	0.0101	0.0921	0.0774	5.5000e-004		7.0000e-003	7.0000e-003		7.0000e-003	7.0000e-003		110.5666	110.5666	2.1200e-003	2.0300e-003	111.2395
Single Family Housing	395.311	4.2632	36.4306	15.5024	0.2325		2.9455	2.9455		2.9455	2.9455		46,507.1314	46,507.1314	0.8914	0.8526	46,790.1660
Strip Mall	27.4002	0.2955	2.6863	2.2565	0.0161		0.2042	0.2042		0.2042	0.2042		3,223.5513	3,223.5513	0.0618	0.0591	3,243.1693
Apartments Low Rise	779.548	8.4069	71.8407	30.5705	0.4586		5.8084	5.8084		5.8084	5.8084		91,711.5839	91,711.5839	1.7578	1.6814	92,269.7253
Government (Civic Center)	123.944	1.3367	12.1514	10.2072	0.0729		0.9235	0.9235		0.9235	0.9235		14,581.7051	14,581.7051	0.2795	0.2673	14,670.4469
<b>Total</b>		<b>14.5822</b>	<b>125.6544</b>	<b>60.6747</b>	<b>0.7954</b>		<b>10.0750</b>	<b>10.0750</b>		<b>10.0750</b>	<b>10.0750</b>		<b>159,078.3771</b>	<b>159,078.3771</b>	<b>3.0490</b>	<b>2.9164</b>	<b>160,046.5016</b>

### 6.0 Area Detail

#### 6.1 Mitigation Measures Area



	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1,451.547 1	31.0058	2,690.542 4	0.1424		54.4009	54.4009		53.9857	53.9857	0.0000	627,698.6 883	627,698.6 883	16.5634	11.4188	631,586.3 412
Unmitigated	1,451.547 1	31.0058	2,690.542 4	0.1424		54.4009	54.4009		53.9857	53.9857	0.0000	627,698.6 883	627,698.6 883	16.5634	11.4188	631,586.3 412

## 6.2 Area by SubCategory

### Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	360.5548					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	953.4984					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	57.0939	2.6000e-003	3.1142	0.0000		39.4467	39.4467		39.0315	39.0315	0.0000	622,842.3 529	622,842.3 529	11.9378	11.4188	626,632.8 677
Landscaping	80.4001	31.0032	2,687.428 2	0.1424		14.9542	14.9542		14.9542	14.9542		4,856.335 4	4,856.335 4	4.6256		4,953.473 5
<b>Total</b>	<b>1,451.547 1</b>	<b>31.0058</b>	<b>2,690.542 4</b>	<b>0.1424</b>		<b>54.4009</b>	<b>54.4009</b>		<b>53.9857</b>	<b>53.9857</b>	<b>0.0000</b>	<b>627,698.6 883</b>	<b>627,698.6 883</b>	<b>16.5634</b>	<b>11.4188</b>	<b>631,586.3 412</b>

## 6.2 Area by SubCategory

### Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	360.5548					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	953.4984					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	57.0939	2.6000e-003	3.1142	0.0000		39.4467	39.4467		39.0315	39.0315	0.0000	622,842.3529	622,842.3529	11.9378	11.4188	626,632.8677
Landscaping	80.4001	31.0032	2,687.4282	0.1424		14.9542	14.9542		14.9542	14.9542		4,856.3354	4,856.3354	4.6256		4,953.4735
<b>Total</b>	<b>1,451.5471</b>	<b>31.0058</b>	<b>2,690.5424</b>	<b>0.1424</b>		<b>54.4009</b>	<b>54.4009</b>		<b>53.9857</b>	<b>53.9857</b>	<b>0.0000</b>	<b>627,698.6883</b>	<b>627,698.6883</b>	<b>16.5634</b>	<b>11.4188</b>	<b>631,586.3412</b>

## 7.0 Water Detail

### 7.1 Mitigation Measures Water

## 8.0 Waste Detail

### 8.1 Mitigation Measures Waste

## 9.0 Operational Offroad

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

**CalEEMod Output Files  
North Park CPU Adopted and Proposed Plan**

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**6086 North Park - Adopted Plan 2035**  
**San Diego County APCD Air District, Summer**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Government (Civic Center)	870.44	1000sqft	19.98	870,440.00	0
Hotel	205.00	Room	6.83	158,870.00	0
Racquet Club	27.46	1000sqft	0.63	27,460.00	0
Apartments Low Rise	29,179.00	Dwelling Unit	1,823.69	29,179,000.00	83452
Single Family Housing	5,116.00	Dwelling Unit	1,661.04	9,208,800.00	14632
Strip Mall	2,175.46	1000sqft	49.94	2,175,460.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.6	<b>Precipitation Freq (Days)</b>	40
<b>Climate Zone</b>	13			<b>Operational Year</b>	2035
<b>Utility Company</b>	San Diego Gas & Electric				
<b>CO2 Intensity (lb/MWhr)</b>	433.73	<b>CH4 Intensity (lb/MWhr)</b>	0.017	<b>N2O Intensity (lb/MWhr)</b>	0.004

**1.3 User Entered Comments & Non-Default Data**

Project Characteristics - RPS 2030 goal 50%

CalEEMod accounts for 10.2%

Additional 39.8% reduction applied

(433.73, 0.017, 0.004)

Land Use - North Park adopted land uses

Construction Phase - Construction calculated separately

Woodstoves - No woodstoves or woodburning fireplaces

Area Coating - SDAPCD Rule 67

Energy Use - 2013 Title 24

Water And Wastewater - CalGreen 20% indoor water reduction

Area Mitigation -

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	150
tblConstructionPhase	NumDays	155,000.00	1.00
tblEnergyUse	T24E	184.75	141.70
tblEnergyUse	T24E	5.69	4.45
tblEnergyUse	T24E	5.84	4.57
tblEnergyUse	T24E	1.48	1.16
tblEnergyUse	T24E	425.62	270.69
tblEnergyUse	T24E	3.89	3.04
tblEnergyUse	T24NG	8,285.40	7,970.55
tblEnergyUse	T24NG	16.83	14.00
tblEnergyUse	T24NG	49.75	41.39
tblEnergyUse	T24NG	4.54	3.78
tblEnergyUse	T24NG	21,834.49	20,415.25
tblEnergyUse	T24NG	1.20	1.00
tblFireplaces	NumberGas	16,048.45	26,261.10
tblFireplaces	NumberGas	2,813.80	4,604.40
tblFireplaces	NumberWood	10,212.65	0.00

tblFireplaces	NumberWood	1,790.60	0.00
tblLandUse	LandUseSquareFeet	297,660.00	158,870.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.017
tblProjectCharacteristics	CO2IntensityFactor	720.49	433.73
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.004
tblProjectCharacteristics	OperationalYear	2014	2035
tblWater	IndoorWaterUseRate	1,901,129,313.61	1,520,903,450.89
tblWater	IndoorWaterUseRate	172,921,336.96	138,337,069.57
tblWater	IndoorWaterUseRate	5,200,187.85	4,160,150.28
tblWater	IndoorWaterUseRate	1,624,070.74	1,299,256.59
tblWater	IndoorWaterUseRate	333,327,995.08	266,662,396.06
tblWater	IndoorWaterUseRate	161,141,807.59	128,913,446.07
tblWoodstoves	NumberCatalytic	1,458.95	0.00
tblWoodstoves	NumberCatalytic	255.80	0.00
tblWoodstoves	NumberNoncatalytic	1,458.95	0.00
tblWoodstoves	NumberNoncatalytic	255.80	0.00
tblWoodstoves	WoodstoveDayYear	82.00	0.00
tblWoodstoves	WoodstoveDayYear	82.00	0.00
tblWoodstoves	WoodstoveWoodMass	3,019.20	0.00
tblWoodstoves	WoodstoveWoodMass	3,019.20	0.00

## 2.0 Emissions Summary

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## 2.2 Overall Operational

### Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1,382.4286	32.5339	2,823.0367	0.1494		57.0877	57.0877		56.6519	56.6519	0.0000	658,717.6715	658,717.6715	17.3794	11.9831	662,797.3922
Energy	13.8485	118.8091	53.7890	0.7554		9.5680	9.5680		9.5680	9.5680		151,073.9510	151,073.9510	2.8956	2.7697	151,993.3619
Mobile	755.5400	1,233.0869	7,138.6636	29.8397	1,996.0172	31.8011	2,027.8182	532.7199	29.3770	562.0968		2,072,054.3851	2,072,054.3851	59.9060		2,073,312.4117
<b>Total</b>	<b>2,151.8170</b>	<b>1,384.4299</b>	<b>10,015.4893</b>	<b>30.7445</b>	<b>1,996.0172</b>	<b>98.4568</b>	<b>2,094.4739</b>	<b>532.7199</b>	<b>95.5969</b>	<b>628.3168</b>	<b>0.0000</b>	<b>2,881,846.0077</b>	<b>2,881,846.0077</b>	<b>80.1810</b>	<b>14.7528</b>	<b>2,888,103.1658</b>

### Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1,382.4286	32.5339	2,823.0367	0.1494		57.0877	57.0877		56.6519	56.6519	0.0000	658,717.6715	658,717.6715	17.3794	11.9831	662,797.3922
Energy	13.8485	118.8091	53.7890	0.7554		9.5680	9.5680		9.5680	9.5680		151,073.9510	151,073.9510	2.8956	2.7697	151,993.3619
Mobile	755.5400	1,233.0869	7,138.6636	29.8397	1,996.0172	31.8011	2,027.8182	532.7199	29.3770	562.0968		2,072,054.3851	2,072,054.3851	59.9060		2,073,312.4117
<b>Total</b>	<b>2,151.8170</b>	<b>1,384.4299</b>	<b>10,015.4893</b>	<b>30.7445</b>	<b>1,996.0172</b>	<b>98.4568</b>	<b>2,094.4739</b>	<b>532.7199</b>	<b>95.5969</b>	<b>628.3168</b>	<b>0.0000</b>	<b>2,881,846.0077</b>	<b>2,881,846.0077</b>	<b>80.1810</b>	<b>14.7528</b>	<b>2,888,103.1658</b>

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

### 3.0 Construction Detail

#### Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Building Construction	Building Construction	1/1/2017	1/2/2017	5	1	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

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

#### OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Building Construction	Cranes	1	7.00	226	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45

#### 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
Building Construction	9	23,904.00	4,196.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

### 3.1 Mitigation Measures Construction

### 3.2 Building Construction - 2017

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.1024	26.4057	18.1291	0.0268		1.7812	1.7812		1.6730	1.6730		2,639.8053	2,639.8053	0.6497		2,653.4490
<b>Total</b>	<b>3.1024</b>	<b>26.4057</b>	<b>18.1291</b>	<b>0.0268</b>		<b>1.7812</b>	<b>1.7812</b>		<b>1.6730</b>	<b>1.6730</b>		<b>2,639.8053</b>	<b>2,639.8053</b>	<b>0.6497</b>		<b>2,653.4490</b>

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	40.1214	355.6120	438.1195	0.9967	27.8520	5.2199	33.0719	7.9463	4.8007	12.7470		98,420.4887	98,420.4887	0.7312		98,435.8446
Worker	75.9466	89.1154	967.2504	2.4877	196.3657	1.4279	197.7936	52.0853	1.3171	53.4025		199,602.5695	199,602.5695	9.6242		199,804.6786
<b>Total</b>	<b>116.0680</b>	<b>444.7274</b>	<b>1,405.3698</b>	<b>3.4844</b>	<b>224.2177</b>	<b>6.6478</b>	<b>230.8655</b>	<b>60.0316</b>	<b>6.1178</b>	<b>66.1494</b>		<b>298,023.0582</b>	<b>298,023.0582</b>	<b>10.3555</b>		<b>298,240.5232</b>

### 3.2 Building Construction - 2017

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.1024	26.4057	18.1291	0.0268		1.7812	1.7812		1.6730	1.6730	0.0000	2,639.8053	2,639.8053	0.6497		2,653.4490
<b>Total</b>	<b>3.1024</b>	<b>26.4057</b>	<b>18.1291</b>	<b>0.0268</b>		<b>1.7812</b>	<b>1.7812</b>		<b>1.6730</b>	<b>1.6730</b>	<b>0.0000</b>	<b>2,639.8053</b>	<b>2,639.8053</b>	<b>0.6497</b>		<b>2,653.4490</b>

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	40.1214	355.6120	438.1195	0.9967	27.8520	5.2199	33.0719	7.9463	4.8007	12.7470		98,420.4887	98,420.4887	0.7312		98,435.8446
Worker	75.9466	89.1154	967.2504	2.4877	196.3657	1.4279	197.7936	52.0853	1.3171	53.4025		199,602.5695	199,602.5695	9.6242		199,804.6786
<b>Total</b>	<b>116.0680</b>	<b>444.7274</b>	<b>1,405.3698</b>	<b>3.4844</b>	<b>224.2177</b>	<b>6.6478</b>	<b>230.8655</b>	<b>60.0316</b>	<b>6.1178</b>	<b>66.1494</b>		<b>298,023.0582</b>	<b>298,023.0582</b>	<b>10.3555</b>		<b>298,240.5232</b>

### 4.0 Operational Detail - Mobile

### 4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	755.5400	1,233.0869	7,138.6636	29.8397	1,996.0172	31.8011	2,027.8182	532.7199	29.3770	562.0968		2,072,054.3851	2,072,054.3851	59.9060		2,073,312.4117
Unmitigated	755.5400	1,233.0869	7,138.6636	29.8397	1,996.0172	31.8011	2,027.8182	532.7199	29.3770	562.0968		2,072,054.3851	2,072,054.3851	59.9060		2,073,312.4117

### 4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	192,289.61	208,921.64	177,116.53	549,640,276	549,640,276
Government (Civic Center)	24,302.68	0.00	0.00	33,184,222	33,184,222
Hotel	1,674.85	1,678.95	1,219.75	3,059,689	3,059,689
Racquet Club	904.26	573.09	734.01	1,416,267	1,416,267
Single Family Housing	48,960.12	51,569.28	44,867.32	139,190,818	139,190,818
Strip Mall	96,416.39	91,456.34	44,444.65	135,959,160	135,959,160
<b>Total</b>	<b>364,547.91</b>	<b>354,199.30</b>	<b>268,382.25</b>	<b>862,450,432</b>	<b>862,450,432</b>

### 4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Low Rise	10.80	7.30	7.50	41.60	18.80	39.60	86	11	3
Government (Civic Center)	9.50	7.30	7.30	75.00	20.00	5.00	50	34	16
Hotel	9.50	7.30	7.30	19.40	61.60	19.00	58	38	4
Racquet Club	9.50	7.30	7.30	11.50	69.50	19.00	52	39	9
Single Family Housing	10.80	7.30	7.50	41.60	18.80	39.60	86	11	3
Strip Mall	9.50	7.30	7.30	16.60	64.40	19.00	45	40	15

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.511887	0.074493	0.190892	0.129437	0.036275	0.005211	0.012579	0.024993	0.001957	0.001971	0.006467	0.000450	0.003389

**5.0 Energy Detail**

**4.4 Fleet Mix**

Historical Energy Use: N

**5.1 Mitigation Measures Energy**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
NaturalGas Mitigated	13.8485	118.8091	53.7890	0.7554		9.5680	9.5680		9.5680	9.5680		151,073.9510	151,073.9510	2.8956	2.7697	151,993.3619
NaturalGas Unmitigated	13.8485	118.8091	53.7890	0.7554		9.5680	9.5680		9.5680	9.5680		151,073.9510	151,073.9510	2.8956	2.7697	151,993.3619

### 5.2 Energy by Land Use - NaturalGas

#### Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Hotel	22846.8	0.2464	2.2399	1.8815	0.0134		0.1702	0.1702		0.1702	0.1702		2,687.8602	2,687.8602	0.0515	0.0493	2,704.2181
Racquet Club	829.819	8.9500e-003	0.0814	0.0683	4.9000e-004		6.1800e-003	6.1800e-003		6.1800e-003	6.1800e-003		97.6257	97.6257	1.8700e-003	1.7900e-003	98.2199
Single Family Housing	367711	3.9655	33.8871	14.4200	0.2163		2.7398	2.7398		2.7398	2.7398		43,260.0880	43,260.0880	0.8292	0.7931	43,523.3617
Strip Mall	12456.7	0.1343	1.2213	1.0259	7.3300e-003		0.0928	0.0928		0.0928	0.0928		1,465.4992	1,465.4992	0.0281	0.0269	1,474.4180
Apartments Low Rise	836882	9.0252	77.1244	32.8189	0.4923		6.2356	6.2356		6.2356	6.2356		98,456.6706	98,456.6706	1.8871	1.8050	99,055.8615
Government (Civic Center)	43402.8	0.4681	4.2552	3.5744	0.0255		0.3234	0.3234		0.3234	0.3234		5,106.2073	5,106.2073	0.0979	0.0936	5,137.2828
<b>Total</b>		<b>13.8485</b>	<b>118.8091</b>	<b>53.7890</b>	<b>0.7554</b>		<b>9.5680</b>	<b>9.5680</b>		<b>9.5680</b>	<b>9.5680</b>		<b>151,073.9510</b>	<b>151,073.9510</b>	<b>2.8956</b>	<b>2.7697</b>	<b>151,993.3619</b>

### 5.2 Energy by Land Use - NaturalGas

#### Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Hotel	22.8468	0.2464	2.2399	1.8815	0.0134		0.1702	0.1702		0.1702	0.1702		2,687.8602	2,687.8602	0.0515	0.0493	2,704.2181
Racquet Club	0.829819	8.9500e-003	0.0814	0.0683	4.9000e-004		6.1800e-003	6.1800e-003		6.1800e-003	6.1800e-003		97.6257	97.6257	1.8700e-003	1.7900e-003	98.2199
Single Family Housing	367.711	3.9655	33.8871	14.4200	0.2163		2.7398	2.7398		2.7398	2.7398		43,260.0880	43,260.0880	0.8292	0.7931	43,523.3617
Strip Mall	12.4567	0.1343	1.2213	1.0259	7.3300e-003		0.0928	0.0928		0.0928	0.0928		1,465.4992	1,465.4992	0.0281	0.0269	1,474.4180
Apartments Low Rise	836.882	9.0252	77.1244	32.8189	0.4923		6.2356	6.2356		6.2356	6.2356		98,456.6706	98,456.6706	1.8871	1.8050	99,055.8615
Government (Civic Center)	43.4028	0.4681	4.2552	3.5744	0.0255		0.3234	0.3234		0.3234	0.3234		5,106.2073	5,106.2073	0.0979	0.0936	5,137.2828
<b>Total</b>		<b>13.8485</b>	<b>118.8091</b>	<b>53.7890</b>	<b>0.7554</b>		<b>9.5680</b>	<b>9.5680</b>		<b>9.5680</b>	<b>9.5680</b>		<b>151,073.9510</b>	<b>151,073.9510</b>	<b>2.8956</b>	<b>2.7697</b>	<b>151,993.3619</b>

### 6.0 Area Detail

#### 6.1 Mitigation Measures Area



	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1,382.4286	32.5339	2,823.0367	0.1494		57.0877	57.0877		56.6519	56.6519	0.0000	658,717.6715	658,717.6715	17.3794	11.9831	662,797.3922
Unmitigated	1,382.4286	32.5339	2,823.0367	0.1494		57.0877	57.0877		56.6519	56.6519	0.0000	658,717.6715	658,717.6715	17.3794	11.9831	662,797.3922

## 6.2 Area by SubCategory

### Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	347.5141					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	890.6686					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	59.9154	2.7200e-003	3.2681	0.0000		41.3961	41.3961		40.9603	40.9603	0.0000	653,622.3529	653,622.3529	12.5278	11.9831	657,600.1896
Landscaping	84.3305	32.5312	2,819.7686	0.1494		15.6916	15.6916		15.6916	15.6916		5,095.3186	5,095.3186	4.8516		5,197.2025
<b>Total</b>	<b>1,382.4286</b>	<b>32.5339</b>	<b>2,823.0367</b>	<b>0.1494</b>		<b>57.0877</b>	<b>57.0877</b>		<b>56.6519</b>	<b>56.6519</b>	<b>0.0000</b>	<b>658,717.6715</b>	<b>658,717.6715</b>	<b>17.3794</b>	<b>11.9831</b>	<b>662,797.3922</b>

## 6.2 Area by SubCategory

### Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	347.5141					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	890.6686					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	59.9154	2.7200e-003	3.2681	0.0000		41.3961	41.3961		40.9603	40.9603	0.0000	653,622.3529	653,622.3529	12.5278	11.9831	657,600.1896
Landscaping	84.3305	32.5312	2,819.7686	0.1494		15.6916	15.6916		15.6916	15.6916		5,095.3186	5,095.3186	4.8516		5,197.2025
<b>Total</b>	<b>1,382.4286</b>	<b>32.5339</b>	<b>2,823.0367</b>	<b>0.1494</b>		<b>57.0877</b>	<b>57.0877</b>		<b>56.6519</b>	<b>56.6519</b>	<b>0.0000</b>	<b>658,717.6715</b>	<b>658,717.6715</b>	<b>17.3794</b>	<b>11.9831</b>	<b>662,797.3922</b>

## 7.0 Water Detail

### 7.1 Mitigation Measures Water

## 8.0 Waste Detail

### 8.1 Mitigation Measures Waste

## 9.0 Operational Offroad

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

**6086 North Park - Adopted Plan 2035**  
**San Diego County APCD Air District, Winter**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Government (Civic Center)	870.44	1000sqft	19.98	870,440.00	0
Hotel	205.00	Room	6.83	158,870.00	0
Racquet Club	27.46	1000sqft	0.63	27,460.00	0
Apartments Low Rise	29,179.00	Dwelling Unit	1,823.69	29,179,000.00	83452
Single Family Housing	5,116.00	Dwelling Unit	1,661.04	9,208,800.00	14632
Strip Mall	2,175.46	1000sqft	49.94	2,175,460.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.6	<b>Precipitation Freq (Days)</b>	40
<b>Climate Zone</b>	13			<b>Operational Year</b>	2035
<b>Utility Company</b>	San Diego Gas & Electric				
<b>CO2 Intensity (lb/MWhr)</b>	433.73	<b>CH4 Intensity (lb/MWhr)</b>	0.017	<b>N2O Intensity (lb/MWhr)</b>	0.004

**1.3 User Entered Comments & Non-Default Data**

Project Characteristics - RPS 2030 goal 50%

CalEEMod accounts for 10.2%

Additional 39.8% reduction applied

(433.73, 0.017, 0.004)

Land Use - North Park adopted land uses

Construction Phase - Construction calculated separately

Woodstoves - No woodstoves or woodburning fireplaces

Area Coating - SDAPCD Rule 67

Energy Use - 2013 Title 24

Water And Wastewater - CalGreen 20% indoor water reduction

Area Mitigation -

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	150
tblConstructionPhase	NumDays	155,000.00	1.00
tblEnergyUse	T24E	184.75	141.70
tblEnergyUse	T24E	5.69	4.45
tblEnergyUse	T24E	5.84	4.57
tblEnergyUse	T24E	1.48	1.16
tblEnergyUse	T24E	425.62	270.69
tblEnergyUse	T24E	3.89	3.04
tblEnergyUse	T24NG	8,285.40	7,970.55
tblEnergyUse	T24NG	16.83	14.00
tblEnergyUse	T24NG	49.75	41.39
tblEnergyUse	T24NG	4.54	3.78
tblEnergyUse	T24NG	21,834.49	20,415.25
tblEnergyUse	T24NG	1.20	1.00
tblFireplaces	NumberGas	16,048.45	26,261.10
tblFireplaces	NumberGas	2,813.80	4,604.40
tblFireplaces	NumberWood	10,212.65	0.00

tblFireplaces	NumberWood	1,790.60	0.00
tblLandUse	LandUseSquareFeet	297,660.00	158,870.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.017
tblProjectCharacteristics	CO2IntensityFactor	720.49	433.73
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.004
tblProjectCharacteristics	OperationalYear	2014	2035
tblWater	IndoorWaterUseRate	1,901,129,313.61	1,520,903,450.89
tblWater	IndoorWaterUseRate	172,921,336.96	138,337,069.57
tblWater	IndoorWaterUseRate	5,200,187.85	4,160,150.28
tblWater	IndoorWaterUseRate	1,624,070.74	1,299,256.59
tblWater	IndoorWaterUseRate	333,327,995.08	266,662,396.06
tblWater	IndoorWaterUseRate	161,141,807.59	128,913,446.07
tblWoodstoves	NumberCatalytic	1,458.95	0.00
tblWoodstoves	NumberCatalytic	255.80	0.00
tblWoodstoves	NumberNoncatalytic	1,458.95	0.00
tblWoodstoves	NumberNoncatalytic	255.80	0.00
tblWoodstoves	WoodstoveDayYear	82.00	0.00
tblWoodstoves	WoodstoveDayYear	82.00	0.00
tblWoodstoves	WoodstoveWoodMass	3,019.20	0.00
tblWoodstoves	WoodstoveWoodMass	3,019.20	0.00

## 2.0 Emissions Summary

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## 2.2 Overall Operational

### Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1,382.4286	32.5339	2,823.0367	0.1494		57.0877	57.0877		56.6519	56.6519	0.0000	658,717.6715	658,717.6715	17.3794	11.9831	662,797.3922
Energy	13.8485	118.8091	53.7890	0.7554		9.5680	9.5680		9.5680	9.5680		151,073.9510	151,073.9510	2.8956	2.7697	151,993.3619
Mobile	797.4741	1,307.9650	7,567.1788	28.3511	1,996.0172	31.9086	2,027.9258	532.7199	29.4760	562.1958		1,975,752.2926	1,975,752.2926	60.0074		1,977,012.4480
<b>Total</b>	<b>2,193.7511</b>	<b>1,459.3080</b>	<b>10,444.0045</b>	<b>29.2559</b>	<b>1,996.0172</b>	<b>98.5643</b>	<b>2,094.5815</b>	<b>532.7199</b>	<b>95.6959</b>	<b>628.4158</b>	<b>0.0000</b>	<b>2,785,543.9151</b>	<b>2,785,543.9151</b>	<b>80.2824</b>	<b>14.7528</b>	<b>2,791,803.2020</b>

### Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1,382.4286	32.5339	2,823.0367	0.1494		57.0877	57.0877		56.6519	56.6519	0.0000	658,717.6715	658,717.6715	17.3794	11.9831	662,797.3922
Energy	13.8485	118.8091	53.7890	0.7554		9.5680	9.5680		9.5680	9.5680		151,073.9510	151,073.9510	2.8956	2.7697	151,993.3619
Mobile	797.4741	1,307.9650	7,567.1788	28.3511	1,996.0172	31.9086	2,027.9258	532.7199	29.4760	562.1958		1,975,752.2926	1,975,752.2926	60.0074		1,977,012.4480
<b>Total</b>	<b>2,193.7511</b>	<b>1,459.3080</b>	<b>10,444.0045</b>	<b>29.2559</b>	<b>1,996.0172</b>	<b>98.5643</b>	<b>2,094.5815</b>	<b>532.7199</b>	<b>95.6959</b>	<b>628.4158</b>	<b>0.0000</b>	<b>2,785,543.9151</b>	<b>2,785,543.9151</b>	<b>80.2824</b>	<b>14.7528</b>	<b>2,791,803.2020</b>

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

### 3.0 Construction Detail

#### Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Building Construction	Building Construction	1/1/2017	1/2/2017	5	1	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

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

#### OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Building Construction	Cranes	1	7.00	226	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45

#### 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
Building Construction	9	23,904.00	4,196.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT



### 3.1 Mitigation Measures Construction

### 3.2 Building Construction - 2017

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.1024	26.4057	18.1291	0.0268		1.7812	1.7812		1.6730	1.6730		2,639.8053	2,639.8053	0.6497		2,653.4490
<b>Total</b>	<b>3.1024</b>	<b>26.4057</b>	<b>18.1291</b>	<b>0.0268</b>		<b>1.7812</b>	<b>1.7812</b>		<b>1.6730</b>	<b>1.6730</b>		<b>2,639.8053</b>	<b>2,639.8053</b>	<b>0.6497</b>		<b>2,653.4490</b>

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	46.2693	364.0334	594.9953	0.9915	27.8520	5.2728	33.1248	7.9463	4.8494	12.7956		97,663.5218	97,663.5218	0.7510		97,679.2930
Worker	80.2449	99.9919	935.0541	2.3352	196.3657	1.4279	197.7936	52.0853	1.3171	53.4025		187,442.7732	187,442.7732	9.6242		187,644.8823
<b>Total</b>	<b>126.5142</b>	<b>464.0252</b>	<b>1,530.0493</b>	<b>3.3267</b>	<b>224.2177</b>	<b>6.7007</b>	<b>230.9184</b>	<b>60.0316</b>	<b>6.1665</b>	<b>66.1981</b>		<b>285,106.2950</b>	<b>285,106.2950</b>	<b>10.3753</b>		<b>285,324.1753</b>

### 3.2 Building Construction - 2017

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.1024	26.4057	18.1291	0.0268		1.7812	1.7812		1.6730	1.6730	0.0000	2,639.8053	2,639.8053	0.6497		2,653.4490
<b>Total</b>	<b>3.1024</b>	<b>26.4057</b>	<b>18.1291</b>	<b>0.0268</b>		<b>1.7812</b>	<b>1.7812</b>		<b>1.6730</b>	<b>1.6730</b>	<b>0.0000</b>	<b>2,639.8053</b>	<b>2,639.8053</b>	<b>0.6497</b>		<b>2,653.4490</b>

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	46.2693	364.0334	594.9953	0.9915	27.8520	5.2728	33.1248	7.9463	4.8494	12.7956		97,663.5218	97,663.5218	0.7510		97,679.2930
Worker	80.2449	99.9919	935.0541	2.3352	196.3657	1.4279	197.7936	52.0853	1.3171	53.4025		187,442.7732	187,442.7732	9.6242		187,644.8823
<b>Total</b>	<b>126.5142</b>	<b>464.0252</b>	<b>1,530.0493</b>	<b>3.3267</b>	<b>224.2177</b>	<b>6.7007</b>	<b>230.9184</b>	<b>60.0316</b>	<b>6.1665</b>	<b>66.1981</b>		<b>285,106.2950</b>	<b>285,106.2950</b>	<b>10.3753</b>		<b>285,324.1753</b>

### 4.0 Operational Detail - Mobile

### 4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	797.4741	1,307.9650	7,567.1788	28.3511	1,996.0172	31.9086	2,027.9258	532.7199	29.4760	562.1958		1,975,752.2926	1,975,752.2926	60.0074		1,977,012.4480
Unmitigated	797.4741	1,307.9650	7,567.1788	28.3511	1,996.0172	31.9086	2,027.9258	532.7199	29.4760	562.1958		1,975,752.2926	1,975,752.2926	60.0074		1,977,012.4480

### 4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	192,289.61	208,921.64	177,116.53	549,640,276	549,640,276
Government (Civic Center)	24,302.68	0.00	0.00	33,184,222	33,184,222
Hotel	1,674.85	1,678.95	1,219.75	3,059,689	3,059,689
Racquet Club	904.26	573.09	734.01	1,416,267	1,416,267
Single Family Housing	48,960.12	51,569.28	44,867.32	139,190,818	139,190,818
Strip Mall	96,416.39	91,456.34	44,444.65	135,959,160	135,959,160
<b>Total</b>	<b>364,547.91</b>	<b>354,199.30</b>	<b>268,382.25</b>	<b>862,450,432</b>	<b>862,450,432</b>

### 4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Low Rise	10.80	7.30	7.50	41.60	18.80	39.60	86	11	3
Government (Civic Center)	9.50	7.30	7.30	75.00	20.00	5.00	50	34	16
Hotel	9.50	7.30	7.30	19.40	61.60	19.00	58	38	4
Racquet Club	9.50	7.30	7.30	11.50	69.50	19.00	52	39	9
Single Family Housing	10.80	7.30	7.50	41.60	18.80	39.60	86	11	3
Strip Mall	9.50	7.30	7.30	16.60	64.40	19.00	45	40	15

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.511887	0.074493	0.190892	0.129437	0.036275	0.005211	0.012579	0.024993	0.001957	0.001971	0.006467	0.000450	0.003389

### 5.0 Energy Detail

#### 4.4 Fleet Mix

Historical Energy Use: N

### 5.1 Mitigation Measures Energy

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
NaturalGas Mitigated	13.8485	118.8091	53.7890	0.7554		9.5680	9.5680		9.5680	9.5680		151,073.9510	151,073.9510	2.8956	2.7697	151,993.3619
NaturalGas Unmitigated	13.8485	118.8091	53.7890	0.7554		9.5680	9.5680		9.5680	9.5680		151,073.9510	151,073.9510	2.8956	2.7697	151,993.3619

### 5.2 Energy by Land Use - NaturalGas

#### Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Government (Civic Center)	43402.8	0.4681	4.2552	3.5744	0.0255		0.3234	0.3234		0.3234	0.3234		5,106.2073	5,106.2073	0.0979	0.0936	5,137.2828
Hotel	22846.8	0.2464	2.2399	1.8815	0.0134		0.1702	0.1702		0.1702	0.1702		2,687.8602	2,687.8602	0.0515	0.0493	2,704.2181
Racquet Club	829.819	8.9500e-003	0.0814	0.0683	4.9000e-004		6.1800e-003	6.1800e-003		6.1800e-003	6.1800e-003		97.6257	97.6257	1.8700e-003	1.7900e-003	98.2199
Single Family Housing	367711	3.9655	33.8871	14.4200	0.2163		2.7398	2.7398		2.7398	2.7398		43,260.0880	43,260.0880	0.8292	0.7931	43,523.3617
Strip Mall	12456.7	0.1343	1.2213	1.0259	7.3300e-003		0.0928	0.0928		0.0928	0.0928		1,465.4992	1,465.4992	0.0281	0.0269	1,474.4180
Apartments Low Rise	836882	9.0252	77.1244	32.8189	0.4923		6.2356	6.2356		6.2356	6.2356		98,456.6706	98,456.6706	1.8871	1.8050	99,055.8615
<b>Total</b>		<b>13.8485</b>	<b>118.8091</b>	<b>53.7890</b>	<b>0.7554</b>		<b>9.5680</b>	<b>9.5680</b>		<b>9.5680</b>	<b>9.5680</b>		<b>151,073.9510</b>	<b>151,073.9510</b>	<b>2.8956</b>	<b>2.7697</b>	<b>151,993.3619</b>

### 5.2 Energy by Land Use - NaturalGas

#### Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Hotel	22.8468	0.2464	2.2399	1.8815	0.0134		0.1702	0.1702		0.1702	0.1702		2,687.8602	2,687.8602	0.0515	0.0493	2,704.2181
Racquet Club	0.829819	8.9500e-003	0.0814	0.0683	4.9000e-004		6.1800e-003	6.1800e-003		6.1800e-003	6.1800e-003		97.6257	97.6257	1.8700e-003	1.7900e-003	98.2199
Single Family Housing	367.711	3.9655	33.8871	14.4200	0.2163		2.7398	2.7398		2.7398	2.7398		43,260.0880	43,260.0880	0.8292	0.7931	43,523.3617
Strip Mall	12.4567	0.1343	1.2213	1.0259	7.3300e-003		0.0928	0.0928		0.0928	0.0928		1,465.4992	1,465.4992	0.0281	0.0269	1,474.4180
Apartments Low Rise	836.882	9.0252	77.1244	32.8189	0.4923		6.2356	6.2356		6.2356	6.2356		98,456.6706	98,456.6706	1.8871	1.8050	99,055.8615
Government (Civic Center)	43.4028	0.4681	4.2552	3.5744	0.0255		0.3234	0.3234		0.3234	0.3234		5,106.2073	5,106.2073	0.0979	0.0936	5,137.2828
<b>Total</b>		<b>13.8485</b>	<b>118.8091</b>	<b>53.7890</b>	<b>0.7554</b>		<b>9.5680</b>	<b>9.5680</b>		<b>9.5680</b>	<b>9.5680</b>		<b>151,073.9510</b>	<b>151,073.9510</b>	<b>2.8956</b>	<b>2.7697</b>	<b>151,993.3619</b>

### 6.0 Area Detail

#### 6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1,382.4286	32.5339	2,823.0367	0.1494		57.0877	57.0877		56.6519	56.6519	0.0000	658,717.6715	658,717.6715	17.3794	11.9831	662,797.3922
Unmitigated	1,382.4286	32.5339	2,823.0367	0.1494		57.0877	57.0877		56.6519	56.6519	0.0000	658,717.6715	658,717.6715	17.3794	11.9831	662,797.3922

## 6.2 Area by SubCategory

### Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	347.5141					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	890.6686					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	59.9154	2.7200e-003	3.2681	0.0000		41.3961	41.3961		40.9603	40.9603	0.0000	653,622.3529	653,622.3529	12.5278	11.9831	657,600.1896
Landscaping	84.3305	32.5312	2,819.7686	0.1494		15.6916	15.6916		15.6916	15.6916		5,095.3186	5,095.3186	4.8516		5,197.2025
<b>Total</b>	<b>1,382.4286</b>	<b>32.5339</b>	<b>2,823.0367</b>	<b>0.1494</b>		<b>57.0877</b>	<b>57.0877</b>		<b>56.6519</b>	<b>56.6519</b>	<b>0.0000</b>	<b>658,717.6715</b>	<b>658,717.6715</b>	<b>17.3794</b>	<b>11.9831</b>	<b>662,797.3922</b>

## 6.2 Area by SubCategory

### Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	347.5141					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	890.6686					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	59.9154	2.7200e-003	3.2681	0.0000		41.3961	41.3961		40.9603	40.9603	0.0000	653,622.3529	653,622.3529	12.5278	11.9831	657,600.1896
Landscaping	84.3305	32.5312	2,819.7686	0.1494		15.6916	15.6916		15.6916	15.6916		5,095.3186	5,095.3186	4.8516		5,197.2025
<b>Total</b>	<b>1,382.4286</b>	<b>32.5339</b>	<b>2,823.0367</b>	<b>0.1494</b>		<b>57.0877</b>	<b>57.0877</b>		<b>56.6519</b>	<b>56.6519</b>	<b>0.0000</b>	<b>658,717.6715</b>	<b>658,717.6715</b>	<b>17.3794</b>	<b>11.9831</b>	<b>662,797.3922</b>

## 7.0 Water Detail

### 7.1 Mitigation Measures Water

## 8.0 Waste Detail

### 8.1 Mitigation Measures Waste

## 9.0 Operational Offroad

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



**6086 North Park - Proposed Plan 2035**  
**San Diego County APCD Air District, Summer**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Government (Civic Center)	870.44	1000sqft	19.98	870,440.00	0
Hotel	205.00	Room	6.83	158,900.00	0
Racquet Club	27.45	1000sqft	0.63	27,450.00	0
Apartments Low Rise	31,453.00	Dwelling Unit	1,965.81	31,453,000.00	89956
Single Family Housing	5,117.00	Dwelling Unit	1,661.36	9,210,600.00	14635
Strip Mall	2,138.21	1000sqft	49.09	2,138,210.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.6	<b>Precipitation Freq (Days)</b>	40
<b>Climate Zone</b>	13			<b>Operational Year</b>	2035
<b>Utility Company</b>	San Diego Gas & Electric				
<b>CO2 Intensity (lb/MW hr)</b>	433.73	<b>CH4 Intensity (lb/MW hr)</b>	0.017	<b>N2O Intensity (lb/MW hr)</b>	0.004

**1.3 User Entered Comments & Non-Default Data**

Project Characteristics - RPS 2030 50% goal

CalEEMod accounts for 10.2%

Additional 39.8% reduction applied

(433.73, 0.017, 0.004)

Land Use - North Park proposed land uses

Construction Phase - Construction calculated separately

Woodstoves - No woodstoves or woodburning fireplaces

Area Coating - SDAPCD Rule 67

Energy Use - 2013 Title 24

Water And Wastewater - CalGreen 20% indoor water reduction

Area Mitigation -

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	150
tblConstructionPhase	NumDays	155,000.00	1.00
tblEnergyUse	T24E	184.75	141.70
tblEnergyUse	T24E	5.69	4.45
tblEnergyUse	T24E	5.84	4.57
tblEnergyUse	T24E	1.48	1.16
tblEnergyUse	T24E	425.62	270.69
tblEnergyUse	T24E	3.89	3.04
tblEnergyUse	T24NG	8,285.40	7,970.55
tblEnergyUse	T24NG	16.83	14.00
tblEnergyUse	T24NG	49.75	41.39
tblEnergyUse	T24NG	4.54	3.78
tblEnergyUse	T24NG	21,834.49	20,415.25
tblEnergyUse	T24NG	1.20	1.00
tblFireplaces	NumberGas	17,299.15	28,307.70
tblFireplaces	NumberGas	2,814.35	4,605.30
tblFireplaces	NumberWood	11,008.55	0.00

tblFireplaces	NumberWood	1,790.95	0.00
tblLandUse	LandUseSquareFeet	297,660.00	158,900.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.017
tblProjectCharacteristics	CO2IntensityFactor	720.49	433.73
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.004
tblProjectCharacteristics	OperationalYear	2014	2035
tblWater	IndoorWaterUseRate	2,049,289,567.87	1,639,431,654.30
tblWater	IndoorWaterUseRate	172,921,336.96	138,337,069.57
tblWater	IndoorWaterUseRate	5,200,187.85	4,160,150.28
tblWater	IndoorWaterUseRate	1,623,479.30	1,298,783.44
tblWater	IndoorWaterUseRate	333,393,149.10	266,714,519.28
tblWater	IndoorWaterUseRate	158,382,606.16	126,706,084.93
tblWoodstoves	NumberCatalytic	1,572.65	0.00
tblWoodstoves	NumberCatalytic	255.85	0.00
tblWoodstoves	NumberNoncatalytic	1,572.65	0.00
tblWoodstoves	NumberNoncatalytic	255.85	0.00
tblWoodstoves	WoodstoveDayYear	82.00	0.00
tblWoodstoves	WoodstoveDayYear	82.00	0.00
tblWoodstoves	WoodstoveWoodMass	3,019.20	0.00
tblWoodstoves	WoodstoveWoodMass	3,019.20	0.00

## 2.0 Emissions Summary

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**2.2 Overall Operational**

**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1,459.1948	34.6918	3,010.2804	0.1593		60.8746	60.8746		60.4099	60.4099	0.0000	702,414.4434	702,414.4434	18.5321	12.7780	706,764.7942
Energy	14.5503	124.8057	56.3322	0.7937		10.0530	10.0530		10.0530	10.0530		158,730.7854	158,730.7854	3.0423	2.9101	159,696.7945
Mobile	786.5035	1,288.1382	7,454.9390	31.2225	2,089.0539	33.2471	2,122.3009	557.5506	30.7126	588.2632		2,168,071.8991	2,168,071.8991	62.6528		2,169,387.6083
<b>Total</b>	<b>2,260.2486</b>	<b>1,447.6358</b>	<b>10,521.5517</b>	<b>32.1755</b>	<b>2,089.0539</b>	<b>104.1746</b>	<b>2,193.2284</b>	<b>557.5506</b>	<b>101.1755</b>	<b>658.7261</b>	<b>0.0000</b>	<b>3,029,217.1280</b>	<b>3,029,217.1280</b>	<b>84.2273</b>	<b>15.6881</b>	<b>3,035,849.1970</b>

**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1,459.1948	34.6918	3,010.2804	0.1593		60.8746	60.8746		60.4099	60.4099	0.0000	702,414.4434	702,414.4434	18.5321	12.7780	706,764.7942
Energy	14.5503	124.8057	56.3322	0.7937		10.0530	10.0530		10.0530	10.0530		158,730.7854	158,730.7854	3.0423	2.9101	159,696.7945
Mobile	786.5035	1,288.1382	7,454.9390	31.2225	2,089.0539	33.2471	2,122.3009	557.5506	30.7126	588.2632		2,168,071.8991	2,168,071.8991	62.6528		2,169,387.6083
<b>Total</b>	<b>2,260.2486</b>	<b>1,447.6358</b>	<b>10,521.5517</b>	<b>32.1755</b>	<b>2,089.0539</b>	<b>104.1746</b>	<b>2,193.2284</b>	<b>557.5506</b>	<b>101.1755</b>	<b>658.7261</b>	<b>0.0000</b>	<b>3,029,217.1280</b>	<b>3,029,217.1280</b>	<b>84.2273</b>	<b>15.6881</b>	<b>3,035,849.1970</b>

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

### 3.0 Construction Detail

#### Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Building Construction	Building Construction	1/1/2017	1/2/2017	5	1	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

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

#### OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Building Construction	Cranes	1	7.00	226	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45

#### 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
Building Construction	9	25,529.00	4,433.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

### 3.1 Mitigation Measures Construction

### 3.2 Building Construction - 2017

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.1024	26.4057	18.1291	0.0268		1.7812	1.7812		1.6730	1.6730		2,639.8053	2,639.8053	0.6497		2,653.4490
<b>Total</b>	<b>3.1024</b>	<b>26.4057</b>	<b>18.1291</b>	<b>0.0268</b>		<b>1.7812</b>	<b>1.7812</b>		<b>1.6730</b>	<b>1.6730</b>		<b>2,639.8053</b>	<b>2,639.8053</b>	<b>0.6497</b>		<b>2,653.4490</b>

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	42.3875	375.6978	462.8655	1.0530	29.4252	5.5148	34.9399	8.3951	5.0719	13.4670		103,979.5106	103,979.5106	0.7725		103,995.7338
Worker	81.1095	95.1735	1,033.0043	2.6568	209.7147	1.5250	211.2396	55.6261	1.4067	57.0328		213,171.6030	213,171.6030	10.2785		213,387.4515
<b>Total</b>	<b>123.4970</b>	<b>470.8713</b>	<b>1,495.8698</b>	<b>3.7098</b>	<b>239.1398</b>	<b>7.0397</b>	<b>246.1795</b>	<b>64.0212</b>	<b>6.4785</b>	<b>70.4997</b>		<b>317,151.1135</b>	<b>317,151.1135</b>	<b>11.0510</b>		<b>317,383.1853</b>

### 3.2 Building Construction - 2017

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.1024	26.4057	18.1291	0.0268		1.7812	1.7812		1.6730	1.6730	0.0000	2,639.8053	2,639.8053	0.6497		2,653.4490
<b>Total</b>	<b>3.1024</b>	<b>26.4057</b>	<b>18.1291</b>	<b>0.0268</b>		<b>1.7812</b>	<b>1.7812</b>		<b>1.6730</b>	<b>1.6730</b>	<b>0.0000</b>	<b>2,639.8053</b>	<b>2,639.8053</b>	<b>0.6497</b>		<b>2,653.4490</b>

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	42.3875	375.6978	462.8655	1.0530	29.4252	5.5148	34.9399	8.3951	5.0719	13.4670		103,979.5106	103,979.5106	0.7725		103,995.7338
Worker	81.1095	95.1735	1,033.0043	2.6568	209.7147	1.5250	211.2396	55.6261	1.4067	57.0328		213,171.6030	213,171.6030	10.2785		213,387.4515
<b>Total</b>	<b>123.4970</b>	<b>470.8713</b>	<b>1,495.8698</b>	<b>3.7098</b>	<b>239.1398</b>	<b>7.0397</b>	<b>246.1795</b>	<b>64.0212</b>	<b>6.4785</b>	<b>70.4997</b>		<b>317,151.1135</b>	<b>317,151.1135</b>	<b>11.0510</b>		<b>317,383.1853</b>

### 4.0 Operational Detail - Mobile



### 4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	786.5035	1,288.1382	7,454.9390	31.2225	2,089.0539	33.2471	2,122.3009	557.5506	30.7126	588.2632		2,168,071.8991	2,168,071.8991	62.6528		2,169,387.6083
Unmitigated	786.5035	1,288.1382	7,454.9390	31.2225	2,089.0539	33.2471	2,122.3009	557.5506	30.7126	588.2632		2,168,071.8991	2,168,071.8991	62.6528		2,169,387.6083

### 4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	207,275.27	225,203.48	190,919.71	592,475,260	592,475,260
Government (Civic Center)	24,302.68	0.00	0.00	33,184,222	33,184,222
Hotel	1,674.85	1,678.95	1,219.75	3,059,689	3,059,689
Racquet Club	903.93	572.88	733.74	1,415,752	1,415,752
Single Family Housing	48,969.69	51,579.36	44,876.09	139,218,025	139,218,025
Strip Mall	94,765.47	89,890.35	43,683.63	133,631,156	133,631,156
<b>Total</b>	<b>377,891.89</b>	<b>368,925.02</b>	<b>281,432.92</b>	<b>902,984,104</b>	<b>902,984,104</b>

### 4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Low Rise	10.80	7.30	7.50	41.60	18.80	39.60	86	11	3
Government (Civic Center)	9.50	7.30	7.30	75.00	20.00	5.00	50	34	16
Hotel	9.50	7.30	7.30	19.40	61.60	19.00	58	38	4
Racquet Club	9.50	7.30	7.30	11.50	69.50	19.00	52	39	9
Single Family Housing	10.80	7.30	7.50	41.60	18.80	39.60	86	11	3
Strip Mall	9.50	7.30	7.30	16.60	64.40	19.00	45	40	15

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.511887	0.074493	0.190892	0.129437	0.036275	0.005211	0.012579	0.024993	0.001957	0.001971	0.006467	0.000450	0.003389

**5.0 Energy Detail**

**4.4 Fleet Mix**

Historical Energy Use: N

**5.1 Mitigation Measures Energy**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
NaturalGas Mitigated	14.5503	124.8057	56.3322	0.7937		10.0530	10.0530		10.0530	10.0530		158,730.7854	158,730.7854	3.0423	2.9101	159,696.7945
NaturalGas Unmitigated	14.5503	124.8057	56.3322	0.7937		10.0530	10.0530		10.0530	10.0530		158,730.7854	158,730.7854	3.0423	2.9101	159,696.7945

### 5.2 Energy by Land Use - NaturalGas

#### Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Hotel	22851.1	0.2464	2.2403	1.8819	0.0134		0.1703	0.1703		0.1703	0.1703		2,688.3678	2,688.3678	0.0515	0.0493	2,704.7287
Racquet Club	829.516	8.9500e-003	0.0813	0.0683	4.9000e-004		6.1800e-003	6.1800e-003		6.1800e-003	6.1800e-003		97.5902	97.5902	1.8700e-003	1.7900e-003	98.1841
Single Family Housing	367783	3.9663	33.8937	14.4229	0.2163		2.7403	2.7403		2.7403	2.7403		43,268.5438	43,268.5438	0.8293	0.7933	43,531.8690
Strip Mall	12243.4	0.1320	1.2003	1.0083	7.2000e-003		0.0912	0.0912		0.0912	0.0912		1,440.4058	1,440.4058	0.0276	0.0264	1,449.1718
Apartments Low Rise	902102	9.7286	83.1349	35.3766	0.5307		6.7216	6.7216		6.7216	6.7216		106,129.6706	106,129.6706	2.0342	1.9457	106,775.5581
Government (Civic Center)	43402.8	0.4681	4.2552	3.5744	0.0255		0.3234	0.3234		0.3234	0.3234		5,106.2073	5,106.2073	0.0979	0.0936	5,137.2828
<b>Total</b>		<b>14.5503</b>	<b>124.8058</b>	<b>56.3322</b>	<b>0.7937</b>		<b>10.0530</b>	<b>10.0530</b>		<b>10.0530</b>	<b>10.0530</b>		<b>158,730.7854</b>	<b>158,730.7854</b>	<b>3.0423</b>	<b>2.9101</b>	<b>159,696.7945</b>

### 5.2 Energy by Land Use - NaturalGas

#### Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Hotel	22.8511	0.2464	2.2403	1.8819	0.0134		0.1703	0.1703		0.1703	0.1703		2,688.3678	2,688.3678	0.0515	0.0493	2,704.7287
Racquet Club	0.829516	8.9500e-003	0.0813	0.0683	4.9000e-004		6.1800e-003	6.1800e-003		6.1800e-003	6.1800e-003		97.5902	97.5902	1.8700e-003	1.7900e-003	98.1841
Single Family Housing	367.783	3.9663	33.8937	14.4229	0.2163		2.7403	2.7403		2.7403	2.7403		43,268.5438	43,268.5438	0.8293	0.7933	43,531.8690
Strip Mall	12.2434	0.1320	1.2003	1.0083	7.2000e-003		0.0912	0.0912		0.0912	0.0912		1,440.4058	1,440.4058	0.0276	0.0264	1,449.1718
Apartments Low Rise	902.102	9.7286	83.1349	35.3766	0.5307		6.7216	6.7216		6.7216	6.7216		106,129.6706	106,129.6706	2.0342	1.9457	106,775.5581
Government (Civic Center)	43.4028	0.4681	4.2552	3.5744	0.0255		0.3234	0.3234		0.3234	0.3234		5,106.2073	5,106.2073	0.0979	0.0936	5,137.2828
<b>Total</b>		<b>14.5503</b>	<b>124.8058</b>	<b>56.3322</b>	<b>0.7937</b>		<b>10.0530</b>	<b>10.0530</b>		<b>10.0530</b>	<b>10.0530</b>		<b>158,730.7854</b>	<b>158,730.7854</b>	<b>3.0423</b>	<b>2.9101</b>	<b>159,696.7945</b>

### 6.0 Area Detail

#### 6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1,459.1948	34.6918	3,010.2804	0.1593		60.8746	60.8746		60.4099	60.4099	0.0000	702,414.4434	702,414.4434	18.5321	12.7780	706,764.7942
Unmitigated	1,459.1948	34.6918	3,010.2804	0.1593		60.8746	60.8746		60.4099	60.4099	0.0000	702,414.4434	702,414.4434	18.5321	12.7780	706,764.7942

## 6.2 Area by SubCategory

### Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	366.8086					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	938.5740					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	63.8899	2.9000e-003	3.4849	0.0000		44.1421	44.1421		43.6775	43.6775	0.0000	696,981.1765	696,981.1765	13.3588	12.7780	701,222.8878
Landscaping	89.9223	34.6889	3,006.7955	0.1593		16.7324	16.7324		16.7324	16.7324		5,433.2669	5,433.2669	5.1733		5,541.9064
<b>Total</b>	<b>1,459.1948</b>	<b>34.6918</b>	<b>3,010.2804</b>	<b>0.1593</b>		<b>60.8746</b>	<b>60.8746</b>		<b>60.4099</b>	<b>60.4099</b>	<b>0.0000</b>	<b>702,414.4434</b>	<b>702,414.4434</b>	<b>18.5321</b>	<b>12.7780</b>	<b>706,764.7942</b>

## 6.2 Area by SubCategory

### Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	366.8086					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	938.5740					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	63.8899	2.9000e-003	3.4849	0.0000		44.1421	44.1421		43.6775	43.6775	0.0000	696,981.1765	696,981.1765	13.3588	12.7780	701,222.8878
Landscaping	89.9223	34.6889	3,006.7955	0.1593		16.7324	16.7324		16.7324	16.7324		5,433.2669	5,433.2669	5.1733		5,541.9064
<b>Total</b>	<b>1,459.1948</b>	<b>34.6918</b>	<b>3,010.2804</b>	<b>0.1593</b>		<b>60.8746</b>	<b>60.8746</b>		<b>60.4099</b>	<b>60.4099</b>	<b>0.0000</b>	<b>702,414.4434</b>	<b>702,414.4434</b>	<b>18.5321</b>	<b>12.7780</b>	<b>706,764.7942</b>

## 7.0 Water Detail

### 7.1 Mitigation Measures Water

## 8.0 Waste Detail

### 8.1 Mitigation Measures Waste

## 9.0 Operational Offroad

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

**6086 North Park - Proposed Plan 2035**  
**San Diego County APCD Air District, Winter**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Government (Civic Center)	870.44	1000sqft	19.98	870,440.00	0
Hotel	205.00	Room	6.83	158,900.00	0
Racquet Club	27.45	1000sqft	0.63	27,450.00	0
Apartments Low Rise	31,453.00	Dwelling Unit	1,965.81	31,453,000.00	89956
Single Family Housing	5,117.00	Dwelling Unit	1,661.36	9,210,600.00	14635
Strip Mall	2,138.21	1000sqft	49.09	2,138,210.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.6	<b>Precipitation Freq (Days)</b>	40
<b>Climate Zone</b>	13			<b>Operational Year</b>	2035
<b>Utility Company</b>	San Diego Gas & Electric				
<b>CO2 Intensity (lb/MW hr)</b>	433.73	<b>CH4 Intensity (lb/MW hr)</b>	0.017	<b>N2O Intensity (lb/MW hr)</b>	0.004

**1.3 User Entered Comments & Non-Default Data**

Project Characteristics - RPS 2030 50% goal

CalEEMod accounts for 10.2%

Additional 39.8% reduction applied

(433.73, 0.017, 0.004)

Land Use - North Park proposed land uses

Construction Phase - Construction calculated separately

Woodstoves - No woodstoves or woodburning fireplaces

Area Coating - SDAPCD Rule 67

Energy Use - 2013 Title 24

Water And Wastewater - CalGreen 20% indoor water reduction

Area Mitigation -

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	150
tblConstructionPhase	NumDays	155,000.00	1.00
tblEnergyUse	T24E	184.75	141.70
tblEnergyUse	T24E	5.69	4.45
tblEnergyUse	T24E	5.84	4.57
tblEnergyUse	T24E	1.48	1.16
tblEnergyUse	T24E	425.62	270.69
tblEnergyUse	T24E	3.89	3.04
tblEnergyUse	T24NG	8,285.40	7,970.55
tblEnergyUse	T24NG	16.83	14.00
tblEnergyUse	T24NG	49.75	41.39
tblEnergyUse	T24NG	4.54	3.78
tblEnergyUse	T24NG	21,834.49	20,415.25
tblEnergyUse	T24NG	1.20	1.00
tblFireplaces	NumberGas	17,299.15	28,307.70
tblFireplaces	NumberGas	2,814.35	4,605.30
tblFireplaces	NumberWood	11,008.55	0.00



tblFireplaces	NumberWood	1,790.95	0.00
tblLandUse	LandUseSquareFeet	297,660.00	158,900.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.017
tblProjectCharacteristics	CO2IntensityFactor	720.49	433.73
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.004
tblProjectCharacteristics	OperationalYear	2014	2035
tblWater	IndoorWaterUseRate	2,049,289,567.87	1,639,431,654.30
tblWater	IndoorWaterUseRate	172,921,336.96	138,337,069.57
tblWater	IndoorWaterUseRate	5,200,187.85	4,160,150.28
tblWater	IndoorWaterUseRate	1,623,479.30	1,298,783.44
tblWater	IndoorWaterUseRate	333,393,149.10	266,714,519.28
tblWater	IndoorWaterUseRate	158,382,606.16	126,706,084.93
tblWoodstoves	NumberCatalytic	1,572.65	0.00
tblWoodstoves	NumberCatalytic	255.85	0.00
tblWoodstoves	NumberNoncatalytic	1,572.65	0.00
tblWoodstoves	NumberNoncatalytic	255.85	0.00
tblWoodstoves	WoodstoveDayYear	82.00	0.00
tblWoodstoves	WoodstoveDayYear	82.00	0.00
tblWoodstoves	WoodstoveWoodMass	3,019.20	0.00
tblWoodstoves	WoodstoveWoodMass	3,019.20	0.00

## 2.0 Emissions Summary

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**2.2 Overall Operational****Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1,459.1948	34.6918	3,010.2804	0.1593		60.8746	60.8746		60.4099	60.4099	0.0000	702,414.4434	702,414.4434	18.5321	12.7780	706,764.7942
Energy	14.5503	124.8057	56.3322	0.7937		10.0530	10.0530		10.0530	10.0530		158,730.7854	158,730.7854	3.0423	2.9101	159,696.7945
Mobile	829.9958	1,366.4442	7,896.1662	29.6646	2,089.0539	33.3588	2,122.4126	557.5506	30.8154	588.3660		2,067,303.0321	2,067,303.0321	62.7581		2,068,620.9513
<b>Total</b>	<b>2,303.7409</b>	<b>1,525.9418</b>	<b>10,962.7788</b>	<b>30.6176</b>	<b>2,089.0539</b>	<b>104.2863</b>	<b>2,193.3401</b>	<b>557.5506</b>	<b>101.2783</b>	<b>658.8288</b>	<b>0.0000</b>	<b>2,928,448.2609</b>	<b>2,928,448.2609</b>	<b>84.3325</b>	<b>15.6881</b>	<b>2,935,082.5400</b>

**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1,459.1948	34.6918	3,010.2804	0.1593		60.8746	60.8746		60.4099	60.4099	0.0000	702,414.4434	702,414.4434	18.5321	12.7780	706,764.7942
Energy	14.5503	124.8057	56.3322	0.7937		10.0530	10.0530		10.0530	10.0530		158,730.7854	158,730.7854	3.0423	2.9101	159,696.7945
Mobile	829.9958	1,366.4442	7,896.1662	29.6646	2,089.0539	33.3588	2,122.4126	557.5506	30.8154	588.3660		2,067,303.0321	2,067,303.0321	62.7581		2,068,620.9513
<b>Total</b>	<b>2,303.7409</b>	<b>1,525.9418</b>	<b>10,962.7788</b>	<b>30.6176</b>	<b>2,089.0539</b>	<b>104.2863</b>	<b>2,193.3401</b>	<b>557.5506</b>	<b>101.2783</b>	<b>658.8288</b>	<b>0.0000</b>	<b>2,928,448.2609</b>	<b>2,928,448.2609</b>	<b>84.3325</b>	<b>15.6881</b>	<b>2,935,082.5400</b>

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

### 3.0 Construction Detail

#### Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Building Construction	Building Construction	1/1/2017	1/2/2017	5	1	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

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

#### OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Building Construction	Cranes	1	7.00	226	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45

#### 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
Building Construction	9	25,529.00	4,433.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

### 3.1 Mitigation Measures Construction

#### 3.2 Building Construction - 2017

##### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.1024	26.4057	18.1291	0.0268		1.7812	1.7812		1.6730	1.6730		2,639.8053	2,639.8053	0.6497		2,653.4490
<b>Total</b>	<b>3.1024</b>	<b>26.4057</b>	<b>18.1291</b>	<b>0.0268</b>		<b>1.7812</b>	<b>1.7812</b>		<b>1.6730</b>	<b>1.6730</b>		<b>2,639.8053</b>	<b>2,639.8053</b>	<b>0.6497</b>		<b>2,653.4490</b>

##### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	48.8827	384.5949	628.6020	1.0475	29.4252	5.5706	34.9958	8.3951	5.1233	13.5184		103,179.7884	103,179.7884	0.7934		103,196.4504
Worker	85.6999	106.7893	998.6193	2.4940	209.7147	1.5250	211.2396	55.6261	1.4067	57.0328		200,185.1806	200,185.1806	10.2785		200,401.0292
<b>Total</b>	<b>134.5827</b>	<b>491.3842</b>	<b>1,627.2213</b>	<b>3.5415</b>	<b>239.1398</b>	<b>7.0956</b>	<b>246.2354</b>	<b>64.0212</b>	<b>6.5299</b>	<b>70.5511</b>		<b>303,364.9690</b>	<b>303,364.9690</b>	<b>11.0719</b>		<b>303,597.4795</b>

### 3.2 Building Construction - 2017

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.1024	26.4057	18.1291	0.0268		1.7812	1.7812		1.6730	1.6730	0.0000	2,639.8053	2,639.8053	0.6497		2,653.4490
<b>Total</b>	<b>3.1024</b>	<b>26.4057</b>	<b>18.1291</b>	<b>0.0268</b>		<b>1.7812</b>	<b>1.7812</b>		<b>1.6730</b>	<b>1.6730</b>	<b>0.0000</b>	<b>2,639.8053</b>	<b>2,639.8053</b>	<b>0.6497</b>		<b>2,653.4490</b>

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	48.8827	384.5949	628.6020	1.0475	29.4252	5.5706	34.9958	8.3951	5.1233	13.5184		103,179.7884	103,179.7884	0.7934		103,196.4504
Worker	85.6999	106.7893	998.6193	2.4940	209.7147	1.5250	211.2396	55.6261	1.4067	57.0328		200,185.1806	200,185.1806	10.2785		200,401.0292
<b>Total</b>	<b>134.5827</b>	<b>491.3842</b>	<b>1,627.2213</b>	<b>3.5415</b>	<b>239.1398</b>	<b>7.0956</b>	<b>246.2354</b>	<b>64.0212</b>	<b>6.5299</b>	<b>70.5511</b>		<b>303,364.9690</b>	<b>303,364.9690</b>	<b>11.0719</b>		<b>303,597.4795</b>

### 4.0 Operational Detail - Mobile

### 4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	829.9958	1,366.444 2	7,896.166 2	29.6646	2,089.053 9	33.3588	2,122.412 6	557.5506	30.8154	588.3660		2,067,303. 0321	2,067,303. 0321	62.7581		2,068,620. 9513
Unmitigated	829.9958	1,366.444 2	7,896.166 2	29.6646	2,089.053 9	33.3588	2,122.412 6	557.5506	30.8154	588.3660		2,067,303. 0321	2,067,303. 0321	62.7581		2,068,620. 9513

### 4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	207,275.27	225,203.48	190919.71	592,475,260	592,475,260
Government (Civic Center)	24,302.68	0.00	0.00	33,184,222	33,184,222
Hotel	1,674.85	1,678.95	1219.75	3,059,689	3,059,689
Racquet Club	903.93	572.88	733.74	1,415,752	1,415,752
Single Family Housing	48,969.69	51,579.36	44876.09	139,218,025	139,218,025
Strip Mall	94,765.47	89,890.35	43683.63	133,631,156	133,631,156
<b>Total</b>	<b>377,891.89</b>	<b>368,925.02</b>	<b>281,432.92</b>	<b>902,984,104</b>	<b>902,984,104</b>

### 4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Low Rise	10.80	7.30	7.50	41.60	18.80	39.60	86	11	3
Government (Civic Center)	9.50	7.30	7.30	75.00	20.00	5.00	50	34	16
Hotel	9.50	7.30	7.30	19.40	61.60	19.00	58	38	4
Racquet Club	9.50	7.30	7.30	11.50	69.50	19.00	52	39	9
Single Family Housing	10.80	7.30	7.50	41.60	18.80	39.60	86	11	3
Strip Mall	9.50	7.30	7.30	16.60	64.40	19.00	45	40	15

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.511887	0.074493	0.190892	0.129437	0.036275	0.005211	0.012579	0.024993	0.001957	0.001971	0.006467	0.000450	0.003389

### 5.0 Energy Detail

#### 4.4 Fleet Mix

Historical Energy Use: N

### 5.1 Mitigation Measures Energy

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
NaturalGas Mitigated	14.5503	124.8057	56.3322	0.7937		10.0530	10.0530		10.0530	10.0530		158,730.7854	158,730.7854	3.0423	2.9101	159,696.7945
NaturalGas Unmitigated	14.5503	124.8057	56.3322	0.7937		10.0530	10.0530		10.0530	10.0530		158,730.7854	158,730.7854	3.0423	2.9101	159,696.7945



**5.2 Energy by Land Use - NaturalGas**

**Unmitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Government (Civic Center)	43402.8	0.4681	4.2552	3.5744	0.0255		0.3234	0.3234		0.3234	0.3234		5,106.2073	5,106.2073	0.0979	0.0936	5,137.2828
Hotel	22851.1	0.2464	2.2403	1.8819	0.0134		0.1703	0.1703		0.1703	0.1703		2,688.3678	2,688.3678	0.0515	0.0493	2,704.7287
Racquet Club	829.516	8.9500e-003	0.0813	0.0683	4.9000e-004		6.1800e-003	6.1800e-003		6.1800e-003	6.1800e-003		97.5902	97.5902	1.8700e-003	1.7900e-003	98.1841
Single Family Housing	367783	3.9663	33.8937	14.4229	0.2163		2.7403	2.7403		2.7403	2.7403		43,268.5438	43,268.5438	0.8293	0.7933	43,531.8690
Strip Mall	12243.4	0.1320	1.2003	1.0083	7.2000e-003		0.0912	0.0912		0.0912	0.0912		1,440.4058	1,440.4058	0.0276	0.0264	1,449.1718
Apartments Low Rise	902102	9.7286	83.1349	35.3766	0.5307		6.7216	6.7216		6.7216	6.7216		106,129.6706	106,129.6706	2.0342	1.9457	106,775.5581
<b>Total</b>		<b>14.5503</b>	<b>124.8058</b>	<b>56.3322</b>	<b>0.7937</b>		<b>10.0530</b>	<b>10.0530</b>		<b>10.0530</b>	<b>10.0530</b>		<b>158,730.7854</b>	<b>158,730.7854</b>	<b>3.0423</b>	<b>2.9101</b>	<b>159,696.7945</b>

## 5.2 Energy by Land Use - NaturalGas

### Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Hotel	22.8511	0.2464	2.2403	1.8819	0.0134		0.1703	0.1703		0.1703	0.1703		2,688.3678	2,688.3678	0.0515	0.0493	2,704.7287
Racquet Club	0.829516	8.9500e-003	0.0813	0.0683	4.9000e-004		6.1800e-003	6.1800e-003		6.1800e-003	6.1800e-003		97.5902	97.5902	1.8700e-003	1.7900e-003	98.1841
Single Family Housing	367.783	3.9663	33.8937	14.4229	0.2163		2.7403	2.7403		2.7403	2.7403		43,268.5438	43,268.5438	0.8293	0.7933	43,531.8690
Strip Mall	12.2434	0.1320	1.2003	1.0083	7.2000e-003		0.0912	0.0912		0.0912	0.0912		1,440.4058	1,440.4058	0.0276	0.0264	1,449.1718
Apartments Low Rise	902.102	9.7286	83.1349	35.3766	0.5307		6.7216	6.7216		6.7216	6.7216		106,129.6706	106,129.6706	2.0342	1.9457	106,775.5581
Government (Civic Center)	43.4028	0.4681	4.2552	3.5744	0.0255		0.3234	0.3234		0.3234	0.3234		5,106.2073	5,106.2073	0.0979	0.0936	5,137.2828
<b>Total</b>		<b>14.5503</b>	<b>124.8058</b>	<b>56.3322</b>	<b>0.7937</b>		<b>10.0530</b>	<b>10.0530</b>		<b>10.0530</b>	<b>10.0530</b>		<b>158,730.7854</b>	<b>158,730.7854</b>	<b>3.0423</b>	<b>2.9101</b>	<b>159,696.7945</b>

## 6.0 Area Detail

### 6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1,459.1948	34.6918	3,010.2804	0.1593		60.8746	60.8746		60.4099	60.4099	0.0000	702,414.4434	702,414.4434	18.5321	12.7780	706,764.7942
Unmitigated	1,459.1948	34.6918	3,010.2804	0.1593		60.8746	60.8746		60.4099	60.4099	0.0000	702,414.4434	702,414.4434	18.5321	12.7780	706,764.7942

## 6.2 Area by SubCategory

### Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	366.8086					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	938.5740					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	63.8899	2.9000e-003	3.4849	0.0000		44.1421	44.1421		43.6775	43.6775	0.0000	696,981.1765	696,981.1765	13.3588	12.7780	701,222.8878
Landscaping	89.9223	34.6889	3,006.7955	0.1593		16.7324	16.7324		16.7324	16.7324		5,433.2669	5,433.2669	5.1733		5,541.9064
<b>Total</b>	<b>1,459.1948</b>	<b>34.6918</b>	<b>3,010.2804</b>	<b>0.1593</b>		<b>60.8746</b>	<b>60.8746</b>		<b>60.4099</b>	<b>60.4099</b>	<b>0.0000</b>	<b>702,414.4434</b>	<b>702,414.4434</b>	<b>18.5321</b>	<b>12.7780</b>	<b>706,764.7942</b>

## 6.2 Area by SubCategory

### Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	366.8086					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	938.5740					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	63.8899	2.9000e-003	3.4849	0.0000		44.1421	44.1421		43.6775	43.6775	0.0000	696,981.1765	696,981.1765	13.3588	12.7780	701,222.8878
Landscaping	89.9223	34.6889	3,006.7955	0.1593		16.7324	16.7324		16.7324	16.7324		5,433.2669	5,433.2669	5.1733		5,541.9064
<b>Total</b>	<b>1,459.1948</b>	<b>34.6918</b>	<b>3,010.2804</b>	<b>0.1593</b>		<b>60.8746</b>	<b>60.8746</b>		<b>60.4099</b>	<b>60.4099</b>	<b>0.0000</b>	<b>702,414.4434</b>	<b>702,414.4434</b>	<b>18.5321</b>	<b>12.7780</b>	<b>706,764.7942</b>

## 7.0 Water Detail

### 7.1 Mitigation Measures Water

## 8.0 Waste Detail

### 8.1 Mitigation Measures Waste

## 9.0 Operational Offroad

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

**CalEEMod Output Files  
Golden Hill CPU Adopted and Proposed Plan**

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**6086 Golden Hill - Adopted Plan 2035**  
**San Diego County APCD Air District, Summer**

**1.0 Project Characteristics**

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**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Government (Civic Center)	213.04	1000sqft	4.89	213,040.00	0
Apartments Low Rise	7,100.00	Dwelling Unit	443.75	7,100,000.00	20306
Single Family Housing	2,070.00	Dwelling Unit	672.08	3,726,000.00	5920
Strip Mall	431.16	1000sqft	9.90	431,160.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.6	<b>Precipitation Freq (Days)</b>	40
<b>Climate Zone</b>	13			<b>Operational Year</b>	2035
<b>Utility Company</b>	San Diego Gas & Electric				
<b>CO2 Intensity (lb/MWhr)</b>	433.73	<b>CH4 Intensity (lb/MWhr)</b>	0.017	<b>N2O Intensity (lb/MWhr)</b>	0.004

**1.3 User Entered Comments & Non-Default Data**

Project Characteristics - RPS 2030 goal 50%

CalEEMod accounts for 10.2%

Additional 39.8% reduction applied

(433.73, 0.017, 0.004)

Land Use - Golden Hill adopted land uses

Construction Phase - Construction calculated separately

Woodstoves - No woodstoves or woodburning fireplaces

Area Coating - SDAPCD Rule 67

Energy Use - 2013 Title 24

Water And Wastewater - CalGreen 20% indoor water reduction

Area Mitigation -

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	150
tblConstructionPhase	NumDays	155,000.00	1.00
tblEnergyUse	T24E	184.75	141.70
tblEnergyUse	T24E	5.69	4.45
tblEnergyUse	T24E	425.62	270.69
tblEnergyUse	T24E	3.89	3.04
tblEnergyUse	T24NG	8,285.40	7,970.55
tblEnergyUse	T24NG	16.83	14.00
tblEnergyUse	T24NG	21,834.49	20,415.25
tblEnergyUse	T24NG	1.20	1.00
tblFireplaces	NumberGas	3,905.00	6,390.00
tblFireplaces	NumberGas	1,138.50	1,863.00
tblFireplaces	NumberWood	2,485.00	0.00
tblFireplaces	NumberWood	724.50	0.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.017
tblProjectCharacteristics	CO2IntensityFactor	720.49	433.73
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.004



tblProjectCharacteristics	OperationalYear	2014	2035
tblWater	IndoorWaterUseRate	462,593,581.91	370,074,865.53
tblWater	IndoorWaterUseRate	42,322,459.48	33,857,967.58
tblWater	IndoorWaterUseRate	134,868,833.04	107,895,066.43
tblWater	IndoorWaterUseRate	31,937,108.36	25,549,686.69
tblWoodstoves	NumberCatalytic	355.00	0.00
tblWoodstoves	NumberCatalytic	103.50	0.00
tblWoodstoves	NumberNoncatalytic	355.00	0.00
tblWoodstoves	NumberNoncatalytic	103.50	0.00
tblWoodstoves	WoodstoveDayYear	82.00	0.00
tblWoodstoves	WoodstoveDayYear	82.00	0.00
tblWoodstoves	WoodstoveWoodMass	3,019.20	0.00
tblWoodstoves	WoodstoveWoodMass	3,019.20	0.00

## 2.0 Emissions Summary

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**2.2 Overall Operational****Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	380.5065	8.6989	754.8167	0.0400		15.2644	15.2644		15.1478	15.1478	0.0000	176,131.7773	176,131.7773	4.6469	3.2041	177,222.6344
Energy	3.9417	33.7610	14.8984	0.2150		2.7234	2.7234		2.7234	2.7234		43,000.8235	43,000.8235	0.8242	0.7884	43,262.5193
Mobile	192.5385	318.5755	1,841.9811	7.7579	519.4546	8.2412	527.6958	138.6380	7.6129	146.2509		538,701.5109	538,701.5109	15.5466		539,027.9884
<b>Total</b>	<b>576.9868</b>	<b>361.0354</b>	<b>2,611.6961</b>	<b>8.0128</b>	<b>519.4546</b>	<b>26.2290</b>	<b>545.6835</b>	<b>138.6380</b>	<b>25.4841</b>	<b>164.1221</b>	<b>0.0000</b>	<b>757,834.1117</b>	<b>757,834.1117</b>	<b>21.0176</b>	<b>3.9925</b>	<b>759,513.1422</b>

**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	380.5065	8.6989	754.8167	0.0400		15.2644	15.2644		15.1478	15.1478	0.0000	176,131.7773	176,131.7773	4.6469	3.2041	177,222.6344
Energy	3.9417	33.7610	14.8984	0.2150		2.7234	2.7234		2.7234	2.7234		43,000.8235	43,000.8235	0.8242	0.7884	43,262.5193
Mobile	192.5385	318.5755	1,841.9811	7.7579	519.4546	8.2412	527.6958	138.6380	7.6129	146.2509		538,701.5109	538,701.5109	15.5466		539,027.9884
<b>Total</b>	<b>576.9868</b>	<b>361.0354</b>	<b>2,611.6961</b>	<b>8.0128</b>	<b>519.4546</b>	<b>26.2290</b>	<b>545.6835</b>	<b>138.6380</b>	<b>25.4841</b>	<b>164.1221</b>	<b>0.0000</b>	<b>757,834.1117</b>	<b>757,834.1117</b>	<b>21.0176</b>	<b>3.9925</b>	<b>759,513.1422</b>

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

### 3.0 Construction Detail

#### Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Building Construction	Building Construction	1/1/2017	1/2/2017	5	1	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

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

#### OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Building Construction	Cranes	1	7.00	226	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45

#### 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
Building Construction	9	6,063.00	1,086.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

### 3.1 Mitigation Measures Construction

#### 3.2 Building Construction - 2017

##### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.1024	26.4057	18.1291	0.0268		1.7812	1.7812		1.6730	1.6730		2,639.8053	2,639.8053	0.6497		2,653.4490
<b>Total</b>	<b>3.1024</b>	<b>26.4057</b>	<b>18.1291</b>	<b>0.0268</b>		<b>1.7812</b>	<b>1.7812</b>		<b>1.6730</b>	<b>1.6730</b>		<b>2,639.8053</b>	<b>2,639.8053</b>	<b>0.6497</b>		<b>2,653.4490</b>

##### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	10.3841	92.0388	113.3932	0.2580	7.2086	1.3510	8.5596	2.0566	1.2425	3.2991		25,472.9864	25,472.9864	0.1893		25,476.9607
Worker	19.2631	22.6032	245.3330	0.6310	49.8061	0.3622	50.1683	13.2109	0.3341	13.5450		50,627.1076	50,627.1076	2.4411		50,678.3704
<b>Total</b>	<b>29.6472</b>	<b>114.6420</b>	<b>358.7261</b>	<b>0.8889</b>	<b>57.0147</b>	<b>1.7132</b>	<b>58.7279</b>	<b>15.2675</b>	<b>1.5766</b>	<b>16.8441</b>		<b>76,100.0939</b>	<b>76,100.0939</b>	<b>2.6304</b>		<b>76,155.3311</b>

### 3.2 Building Construction - 2017

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.1024	26.4057	18.1291	0.0268		1.7812	1.7812		1.6730	1.6730	0.0000	2,639.8053	2,639.8053	0.6497		2,653.4490
<b>Total</b>	<b>3.1024</b>	<b>26.4057</b>	<b>18.1291</b>	<b>0.0268</b>		<b>1.7812</b>	<b>1.7812</b>		<b>1.6730</b>	<b>1.6730</b>	<b>0.0000</b>	<b>2,639.8053</b>	<b>2,639.8053</b>	<b>0.6497</b>		<b>2,653.4490</b>

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	10.3841	92.0388	113.3932	0.2580	7.2086	1.3510	8.5596	2.0566	1.2425	3.2991		25,472.9864	25,472.9864	0.1893		25,476.9607
Worker	19.2631	22.6032	245.3330	0.6310	49.8061	0.3622	50.1683	13.2109	0.3341	13.5450		50,627.1076	50,627.1076	2.4411		50,678.3704
<b>Total</b>	<b>29.6472</b>	<b>114.6420</b>	<b>358.7261</b>	<b>0.8889</b>	<b>57.0147</b>	<b>1.7132</b>	<b>58.7279</b>	<b>15.2675</b>	<b>1.5766</b>	<b>16.8441</b>		<b>76,100.0939</b>	<b>76,100.0939</b>	<b>2.6304</b>		<b>76,155.3311</b>

### 4.0 Operational Detail - Mobile

### 4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	192.5385	318.5755	1,841.981 1	7.7579	519.4546	8.2412	527.6958	138.6380	7.6129	146.2509		538,701.5 109	538,701.5 109	15.5466		539,027.9 884
Unmitigated	192.5385	318.5755	1,841.981 1	7.7579	519.4546	8.2412	527.6958	138.6380	7.6129	146.2509		538,701.5 109	538,701.5 109	15.5466		539,027.9 884

### 4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	46,789.00	50,836.00	43,097.00	133,741,594	133,741,594
Government (Civic Center)	5,948.08	0.00	0.00	8,121,831	8,121,831
Single Family Housing	19,809.90	20,865.60	18,153.90	56,318,411	56,318,411
Strip Mall	19,109.01	18,125.97	8,808.60	26,946,095	26,946,095
Total	91,655.99	89,827.57	70,059.50	225,127,931	225,127,931

### 4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Low Rise	10.80	7.30	7.50	41.60	18.80	39.60	86	11	3
Government (Civic Center)	9.50	7.30	7.30	75.00	20.00	5.00	50	34	16
Single Family Housing	10.80	7.30	7.50	41.60	18.80	39.60	86	11	3
Strip Mall	9.50	7.30	7.30	16.60	64.40	19.00	45	40	15

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.511887	0.074493	0.190892	0.129437	0.036275	0.005211	0.012579	0.024993	0.001957	0.001971	0.006467	0.000450	0.003389

**5.0 Energy Detail**

Historical Energy Use: N

**5.1 Mitigation Measures Energy**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	3.9417	33.7610	14.8984	0.2150		2.7234	2.7234		2.7234	2.7234		43,000.8235	43,000.8235	0.8242	0.7884	43,262.5193
NaturalGas Unmitigated	3.9417	33.7610	14.8984	0.2150		2.7234	2.7234		2.7234	2.7234		43,000.8235	43,000.8235	0.8242	0.7884	43,262.5193



**5.2 Energy by Land Use - NaturalGas**

**Unmitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Single Family Housing	148781	1.6045	13.7112	5.8345	0.0875		1.1086	1.1086		1.1086	1.1086		17,503.5931	17,503.5931	0.3355	0.3209	17,610.1170
Strip Mall	2468.83	0.0266	0.2420	0.2033	1.4500e-003		0.0184	0.0184		0.0184	0.0184		290.4511	290.4511	5.5700e-003	5.3200e-003	292.2187
Apartments Low Rise	203635	2.1961	18.7664	7.9857	0.1198		1.5173	1.5173		1.5173	1.5173		23,957.0363	23,957.0363	0.4592	0.4392	24,102.8348
Government (Civic Center)	10622.8	0.1146	1.0415	0.8748	6.2500e-003		0.0792	0.0792		0.0792	0.0792		1,249.7431	1,249.7431	0.0240	0.0229	1,257.3488
<b>Total</b>		<b>3.9417</b>	<b>33.7610</b>	<b>14.8984</b>	<b>0.2150</b>		<b>2.7234</b>	<b>2.7234</b>		<b>2.7234</b>	<b>2.7234</b>		<b>43,000.8235</b>	<b>43,000.8235</b>	<b>0.8242</b>	<b>0.7883</b>	<b>43,262.5193</b>

### 5.2 Energy by Land Use - NaturalGas

#### Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Single Family Housing	148.781	1.6045	13.7112	5.8345	0.0875		1.1086	1.1086		1.1086	1.1086		17,503.5931	17,503.5931	0.3355	0.3209	17,610.1170
Strip Mall	2.46883	0.0266	0.2420	0.2033	1.4500e-003		0.0184	0.0184		0.0184	0.0184		290.4511	290.4511	5.5700e-003	5.3200e-003	292.2187
Apartments Low Rise	203.635	2.1961	18.7664	7.9857	0.1198		1.5173	1.5173		1.5173	1.5173		23,957.0363	23,957.0363	0.4592	0.4392	24,102.8348
Government (Civic Center)	10.6228	0.1146	1.0415	0.8748	6.2500e-003		0.0792	0.0792		0.0792	0.0792		1,249.7431	1,249.7431	0.0240	0.0229	1,257.3488
<b>Total</b>		<b>3.9417</b>	<b>33.7610</b>	<b>14.8984</b>	<b>0.2150</b>		<b>2.7234</b>	<b>2.7234</b>		<b>2.7234</b>	<b>2.7234</b>		<b>43,000.8235</b>	<b>43,000.8235</b>	<b>0.8242</b>	<b>0.7883</b>	<b>43,262.5193</b>

### 6.0 Area Detail

#### 6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	380.5065	8.6989	754.8167	0.0400		15.2644	15.2644		15.1478	15.1478	0.0000	176,131.7773	176,131.7773	4.6469	3.2041	177,222.6344
Unmitigated	380.5065	8.6989	754.8167	0.0400		15.2644	15.2644		15.1478	15.1478	0.0000	176,131.7773	176,131.7773	4.6469	3.2041	177,222.6344

### 6.2 Area by SubCategory

#### Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
SubCategory	lb/day										lb/day						
Architectural Coating	96.4771					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Consumer Products	245.4623					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Hearth	16.0205	7.3000e-004	0.8739	0.0000		11.0687	11.0687		10.9522	10.9522	0.0000	174,769.418	174,769.418	3.3498	3.2041		175,833.0293
Landscaping	22.5466	8.6982	753.9428	0.0400		4.1956	4.1956		4.1956	4.1956		1,362.3656	1,362.3656	1.2971			1,389.6052
<b>Total</b>	<b>380.5065</b>	<b>8.6989</b>	<b>754.8167</b>	<b>0.0400</b>		<b>15.2644</b>	<b>15.2644</b>		<b>15.1479</b>	<b>15.1479</b>	<b>0.0000</b>	<b>176,131.773</b>	<b>176,131.773</b>	<b>4.6469</b>	<b>3.2041</b>		<b>177,222.6344</b>

## 6.2 Area by SubCategory

### Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	96.4771					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	245.4623					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	16.0205	7.3000e-004	0.8739	0.0000		11.0687	11.0687		10.9522	10.9522	0.0000	174,769.418	174,769.418	3.3498	3.2041	175,833.0293
Landscaping	22.5466	8.6982	753.9428	0.0400		4.1956	4.1956		4.1956	4.1956		1,362.3656	1,362.3656	1.2971		1,389.6052
<b>Total</b>	<b>380.5065</b>	<b>8.6989</b>	<b>754.8167</b>	<b>0.0400</b>		<b>15.2644</b>	<b>15.2644</b>		<b>15.1479</b>	<b>15.1479</b>	<b>0.0000</b>	<b>176,131.773</b>	<b>176,131.773</b>	<b>4.6469</b>	<b>3.2041</b>	<b>177,222.6344</b>

## 7.0 Water Detail

### 7.1 Mitigation Measures Water

## 8.0 Waste Detail

### 8.1 Mitigation Measures Waste

## 9.0 Operational Offroad

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

**6086 Golden Hill - Adopted Plan 2035**  
**San Diego County APCD Air District, Winter**

**1.0 Project Characteristics**

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**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Government (Civic Center)	213.04	1000sqft	4.89	213,040.00	0
Apartments Low Rise	7,100.00	Dwelling Unit	443.75	7,100,000.00	20306
Single Family Housing	2,070.00	Dwelling Unit	672.08	3,726,000.00	5920
Strip Mall	431.16	1000sqft	9.90	431,160.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.6	<b>Precipitation Freq (Days)</b>	40
<b>Climate Zone</b>	13			<b>Operational Year</b>	2035
<b>Utility Company</b>	San Diego Gas & Electric				
<b>CO2 Intensity (lb/MWhr)</b>	433.73	<b>CH4 Intensity (lb/MWhr)</b>	0.017	<b>N2O Intensity (lb/MWhr)</b>	0.004

**1.3 User Entered Comments & Non-Default Data**

Project Characteristics - RPS 2030 goal 50%

CalEEMod accounts for 10.2%

Additional 39.8% reduction applied

(433.73, 0.017, 0.004)

Land Use - Golden Hill adopted land uses

Construction Phase - Construction calculated separately

Woodstoves - No woodstoves or woodburning fireplaces

Area Coating - SDAPCD Rule 67

Energy Use - 2013 Title 24

Water And Wastewater - CalGreen 20% indoor water reduction

Area Mitigation -

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	150
tblConstructionPhase	NumDays	155,000.00	1.00
tblEnergyUse	T24E	184.75	141.70
tblEnergyUse	T24E	5.69	4.45
tblEnergyUse	T24E	425.62	270.69
tblEnergyUse	T24E	3.89	3.04
tblEnergyUse	T24NG	8,285.40	7,970.55
tblEnergyUse	T24NG	16.83	14.00
tblEnergyUse	T24NG	21,834.49	20,415.25
tblEnergyUse	T24NG	1.20	1.00
tblFireplaces	NumberGas	3,905.00	6,390.00
tblFireplaces	NumberGas	1,138.50	1,863.00
tblFireplaces	NumberWood	2,485.00	0.00
tblFireplaces	NumberWood	724.50	0.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.017
tblProjectCharacteristics	CO2IntensityFactor	720.49	433.73
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.004

tblProjectCharacteristics	OperationalYear	2014	2035
tblWater	IndoorWaterUseRate	462,593,581.91	370,074,865.53
tblWater	IndoorWaterUseRate	42,322,459.48	33,857,967.58
tblWater	IndoorWaterUseRate	134,868,833.04	107,895,066.43
tblWater	IndoorWaterUseRate	31,937,108.36	25,549,686.69
tblWoodstoves	NumberCatalytic	355.00	0.00
tblWoodstoves	NumberCatalytic	103.50	0.00
tblWoodstoves	NumberNoncatalytic	355.00	0.00
tblWoodstoves	NumberNoncatalytic	103.50	0.00
tblWoodstoves	WoodstoveDayYear	82.00	0.00
tblWoodstoves	WoodstoveDayYear	82.00	0.00
tblWoodstoves	WoodstoveWoodMass	3,019.20	0.00
tblWoodstoves	WoodstoveWoodMass	3,019.20	0.00

## 2.0 Emissions Summary

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**2.2 Overall Operational****Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	380.5065	8.6989	754.8167	0.0400		15.2644	15.2644		15.1478	15.1478	0.0000	176,131.7773	176,131.7773	4.6469	3.2041	177,222.6344
Energy	3.9417	33.7610	14.8984	0.2150		2.7234	2.7234		2.7234	2.7234		43,000.8235	43,000.8235	0.8242	0.7884	43,262.5193
Mobile	203.0708	338.0024	1,946.5216	7.3706	519.4546	8.2684	527.7229	138.6380	7.6379	146.2758		513,660.4426	513,660.4426	15.5721		513,987.4568
<b>Total</b>	<b>587.5191</b>	<b>380.4623</b>	<b>2,716.2366</b>	<b>7.6255</b>	<b>519.4546</b>	<b>26.2561</b>	<b>545.7107</b>	<b>138.6380</b>	<b>25.5091</b>	<b>164.1471</b>	<b>0.0000</b>	<b>732,793.0434</b>	<b>732,793.0434</b>	<b>21.0432</b>	<b>3.9925</b>	<b>734,472.6106</b>

**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	380.5065	8.6989	754.8167	0.0400		15.2644	15.2644		15.1478	15.1478	0.0000	176,131.7773	176,131.7773	4.6469	3.2041	177,222.6344
Energy	3.9417	33.7610	14.8984	0.2150		2.7234	2.7234		2.7234	2.7234		43,000.8235	43,000.8235	0.8242	0.7884	43,262.5193
Mobile	203.0708	338.0024	1,946.5216	7.3706	519.4546	8.2684	527.7229	138.6380	7.6379	146.2758		513,660.4426	513,660.4426	15.5721		513,987.4568
<b>Total</b>	<b>587.5191</b>	<b>380.4623</b>	<b>2,716.2366</b>	<b>7.6255</b>	<b>519.4546</b>	<b>26.2561</b>	<b>545.7107</b>	<b>138.6380</b>	<b>25.5091</b>	<b>164.1471</b>	<b>0.0000</b>	<b>732,793.0434</b>	<b>732,793.0434</b>	<b>21.0432</b>	<b>3.9925</b>	<b>734,472.6106</b>

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

### 3.0 Construction Detail

#### Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Building Construction	Building Construction	1/1/2017	1/2/2017	5	1	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

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

#### OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Building Construction	Cranes	1	7.00	226	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45

#### 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
Building Construction	9	6,063.00	1,086.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

### 3.1 Mitigation Measures Construction

### 3.2 Building Construction - 2017

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.1024	26.4057	18.1291	0.0268		1.7812	1.7812		1.6730	1.6730		2,639.8053	2,639.8053	0.6497		2,653.4490
<b>Total</b>	<b>3.1024</b>	<b>26.4057</b>	<b>18.1291</b>	<b>0.0268</b>		<b>1.7812</b>	<b>1.7812</b>		<b>1.6730</b>	<b>1.6730</b>		<b>2,639.8053</b>	<b>2,639.8053</b>	<b>0.6497</b>		<b>2,653.4490</b>

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	11.9753	94.2184	153.9954	0.2566	7.2086	1.3647	8.5733	2.0566	1.2551	3.3117		25,277.0698	25,277.0698	0.1944		25,281.1516
Worker	20.3533	25.3619	237.1667	0.5923	49.8061	0.3622	50.1683	13.2109	0.3341	13.5450		47,542.9022	47,542.9022	2.4411		47,594.1651
<b>Total</b>	<b>32.3286</b>	<b>119.5803</b>	<b>391.1621</b>	<b>0.8489</b>	<b>57.0147</b>	<b>1.7269</b>	<b>58.7416</b>	<b>15.2675</b>	<b>1.5892</b>	<b>16.8567</b>		<b>72,819.9719</b>	<b>72,819.9719</b>	<b>2.6355</b>		<b>72,875.3167</b>

### 3.2 Building Construction - 2017

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.1024	26.4057	18.1291	0.0268		1.7812	1.7812		1.6730	1.6730	0.0000	2,639.8053	2,639.8053	0.6497		2,653.4490
<b>Total</b>	<b>3.1024</b>	<b>26.4057</b>	<b>18.1291</b>	<b>0.0268</b>		<b>1.7812</b>	<b>1.7812</b>		<b>1.6730</b>	<b>1.6730</b>	<b>0.0000</b>	<b>2,639.8053</b>	<b>2,639.8053</b>	<b>0.6497</b>		<b>2,653.4490</b>

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	11.9753	94.2184	153.9954	0.2566	7.2086	1.3647	8.5733	2.0566	1.2551	3.3117		25,277.0698	25,277.0698	0.1944		25,281.1516
Worker	20.3533	25.3619	237.1667	0.5923	49.8061	0.3622	50.1683	13.2109	0.3341	13.5450		47,542.9022	47,542.9022	2.4411		47,594.1651
<b>Total</b>	<b>32.3286</b>	<b>119.5803</b>	<b>391.1621</b>	<b>0.8489</b>	<b>57.0147</b>	<b>1.7269</b>	<b>58.7416</b>	<b>15.2675</b>	<b>1.5892</b>	<b>16.8567</b>		<b>72,819.9719</b>	<b>72,819.9719</b>	<b>2.6355</b>		<b>72,875.3167</b>

### 4.0 Operational Detail - Mobile

### 4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	203.0708	338.0024	1,946.5216	7.3706	519.4546	8.2684	527.7229	138.6380	7.6379	146.2758		513,660.4426	513,660.4426	15.5721		513,987.4568
Unmitigated	203.0708	338.0024	1,946.5216	7.3706	519.4546	8.2684	527.7229	138.6380	7.6379	146.2758		513,660.4426	513,660.4426	15.5721		513,987.4568

### 4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	46,789.00	50,836.00	43,097.00	133,741,594	133,741,594
Government (Civic Center)	5,948.08	0.00	0.00	8,121,831	8,121,831
Single Family Housing	19,809.90	20,865.60	18,153.90	56,318,411	56,318,411
Strip Mall	19,109.01	18,125.97	8,808.60	26,946,095	26,946,095
<b>Total</b>	<b>91,655.99</b>	<b>89,827.57</b>	<b>70,059.50</b>	<b>225,127,931</b>	<b>225,127,931</b>

### 4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Low Rise	10.80	7.30	7.50	41.60	18.80	39.60	86	11	3
Government (Civic Center)	9.50	7.30	7.30	75.00	20.00	5.00	50	34	16
Single Family Housing	10.80	7.30	7.50	41.60	18.80	39.60	86	11	3
Strip Mall	9.50	7.30	7.30	16.60	64.40	19.00	45	40	15

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.511887	0.074493	0.190892	0.129437	0.036275	0.005211	0.012579	0.024993	0.001957	0.001971	0.006467	0.000450	0.003389

**5.0 Energy Detail**

**4.4 Fleet Mix**

Historical Energy Use: N

**5.1 Mitigation Measures Energy**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	3.9417	33.7610	14.8984	0.2150		2.7234	2.7234		2.7234	2.7234		43,000.8235	43,000.8235	0.8242	0.7884	43,262.5193
NaturalGas Unmitigated	3.9417	33.7610	14.8984	0.2150		2.7234	2.7234		2.7234	2.7234		43,000.8235	43,000.8235	0.8242	0.7884	43,262.5193

**5.2 Energy by Land Use - NaturalGas**

**Unmitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Single Family Housing	148781	1.6045	13.7112	5.8345	0.0875		1.1086	1.1086		1.1086	1.1086		17,503.5931	17,503.5931	0.3355	0.3209	17,610.1170
Strip Mall	2468.83	0.0266	0.2420	0.2033	1.4500e-003		0.0184	0.0184		0.0184	0.0184		290.4511	290.4511	5.5700e-003	5.3200e-003	292.2187
Apartments Low Rise	203635	2.1961	18.7664	7.9857	0.1198		1.5173	1.5173		1.5173	1.5173		23,957.0363	23,957.0363	0.4592	0.4392	24,102.8348
Government (Civic Center)	10622.8	0.1146	1.0415	0.8748	6.2500e-003		0.0792	0.0792		0.0792	0.0792		1,249.7431	1,249.7431	0.0240	0.0229	1,257.3488
<b>Total</b>		<b>3.9417</b>	<b>33.7610</b>	<b>14.8984</b>	<b>0.2150</b>		<b>2.7234</b>	<b>2.7234</b>		<b>2.7234</b>	<b>2.7234</b>		<b>43,000.8235</b>	<b>43,000.8235</b>	<b>0.8242</b>	<b>0.7883</b>	<b>43,262.5193</b>

### 5.2 Energy by Land Use - NaturalGas

#### Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Single Family Housing	148.781	1.6045	13.7112	5.8345	0.0875		1.1086	1.1086		1.1086	1.1086		17,503.5931	17,503.5931	0.3355	0.3209	17,610.1170
Strip Mall	2.46883	0.0266	0.2420	0.2033	1.4500e-003		0.0184	0.0184		0.0184	0.0184		290.4511	290.4511	5.5700e-003	5.3200e-003	292.2187
Apartments Low Rise	203.635	2.1961	18.7664	7.9857	0.1198		1.5173	1.5173		1.5173	1.5173		23,957.0363	23,957.0363	0.4592	0.4392	24,102.8348
Government (Civic Center)	10.6228	0.1146	1.0415	0.8748	6.2500e-003		0.0792	0.0792		0.0792	0.0792		1,249.7431	1,249.7431	0.0240	0.0229	1,257.3488
<b>Total</b>		<b>3.9417</b>	<b>33.7610</b>	<b>14.8984</b>	<b>0.2150</b>		<b>2.7234</b>	<b>2.7234</b>		<b>2.7234</b>	<b>2.7234</b>		<b>43,000.8235</b>	<b>43,000.8235</b>	<b>0.8242</b>	<b>0.7883</b>	<b>43,262.5193</b>

### 6.0 Area Detail

#### 6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	380.5065	8.6989	754.8167	0.0400		15.2644	15.2644		15.1478	15.1478	0.0000	176,131.7773	176,131.7773	4.6469	3.2041	177,222.6344
Unmitigated	380.5065	8.6989	754.8167	0.0400		15.2644	15.2644		15.1478	15.1478	0.0000	176,131.7773	176,131.7773	4.6469	3.2041	177,222.6344



### 6.2 Area by SubCategory

#### Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	96.4771					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	245.4623					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	16.0205	7.3000e-004	0.8739	0.0000		11.0687	11.0687		10.9522	10.9522	0.0000	174,769.4118	174,769.4118	3.3498	3.2041	175,833.0293
Landscaping	22.5466	8.6982	753.9428	0.0400		4.1956	4.1956		4.1956	4.1956		1,362.3656	1,362.3656	1.2971		1,389.6052
<b>Total</b>	<b>380.5065</b>	<b>8.6989</b>	<b>754.8167</b>	<b>0.0400</b>		<b>15.2644</b>	<b>15.2644</b>		<b>15.1479</b>	<b>15.1479</b>	<b>0.0000</b>	<b>176,131.7773</b>	<b>176,131.7773</b>	<b>4.6469</b>	<b>3.2041</b>	<b>177,222.6344</b>

## 6.2 Area by SubCategory

### Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	96.4771					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	245.4623					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	16.0205	7.3000e-004	0.8739	0.0000		11.0687	11.0687		10.9522	10.9522	0.0000	174,769.4118	174,769.4118	3.3498	3.2041	175,833.0293
Landscaping	22.5466	8.6982	753.9428	0.0400		4.1956	4.1956		4.1956	4.1956		1,362.3656	1,362.3656	1.2971		1,389.6052
<b>Total</b>	<b>380.5065</b>	<b>8.6989</b>	<b>754.8167</b>	<b>0.0400</b>		<b>15.2644</b>	<b>15.2644</b>		<b>15.1479</b>	<b>15.1479</b>	<b>0.0000</b>	<b>176,131.7773</b>	<b>176,131.7773</b>	<b>4.6469</b>	<b>3.2041</b>	<b>177,222.6344</b>

## 7.0 Water Detail

### 7.1 Mitigation Measures Water

## 8.0 Waste Detail

### 8.1 Mitigation Measures Waste

## 9.0 Operational Offroad

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

**6086 Golden Hill - Proposed Plan 2035**  
**San Diego County APCD Air District, Summer**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Government (Civic Center)	213.04	1000sqft	4.89	213,040.00	0
Apartments Low Rise	7,120.00	Dwelling Unit	445.00	7,120,000.00	20363
Single Family Housing	2,095.00	Dwelling Unit	680.19	3,771,000.00	5992
Strip Mall	393.96	1000sqft	9.04	393,960.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.6	<b>Precipitation Freq (Days)</b>	40
<b>Climate Zone</b>	13			<b>Operational Year</b>	2035
<b>Utility Company</b>	San Diego Gas & Electric				
<b>CO2 Intensity (lb/MWhr)</b>	433.73	<b>CH4 Intensity (lb/MWhr)</b>	0.017	<b>N2O Intensity (lb/MWhr)</b>	0.004

**1.3 User Entered Comments & Non-Default Data**

Project Characteristics - RPS 2030 50% goal

CalEEMod accounts for 10.2%

Additional 39.8% reduction applied

(433.73, 0.017, 0.004)

Land Use - Golden Hill proposed land uses

Construction Phase - Construction calculated separately

Woodstoves - No woodstoves or woodburning fireplaces

Area Coating - SDAPCD Rule 67

Energy Use - 2013 Title 24

Water And Wastewater - CalGreen 20% indoor water reduction

Area Mitigation -

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	150
tblConstructionPhase	NumDays	155,000.00	1.00
tblEnergyUse	T24E	184.75	141.70
tblEnergyUse	T24E	5.69	4.45
tblEnergyUse	T24E	425.62	270.69
tblEnergyUse	T24E	3.89	3.04
tblEnergyUse	T24NG	8,285.40	7,970.55
tblEnergyUse	T24NG	16.83	14.00
tblEnergyUse	T24NG	21,834.49	20,415.25
tblEnergyUse	T24NG	1.20	1.00
tblFireplaces	NumberGas	3,916.00	6,408.00
tblFireplaces	NumberGas	1,152.25	1,885.50
tblFireplaces	NumberWood	2,492.00	0.00
tblFireplaces	NumberWood	733.25	0.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.017
tblProjectCharacteristics	CO2IntensityFactor	720.49	433.73
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.004

tblProjectCharacteristics	OperationalYear	2014	2035
tblWater	IndoorWaterUseRate	463,896,662.42	371,117,329.94
tblWater	IndoorWaterUseRate	42,322,459.48	33,857,967.58
tblWater	IndoorWaterUseRate	136,497,683.68	109,198,146.94
tblWater	IndoorWaterUseRate	29,181,610.56	23,345,288.45
tblWoodstoves	NumberCatalytic	356.00	0.00
tblWoodstoves	NumberCatalytic	104.75	0.00
tblWoodstoves	NumberNoncatalytic	356.00	0.00
tblWoodstoves	NumberNoncatalytic	104.75	0.00
tblWoodstoves	WoodstoveDayYear	82.00	0.00
tblWoodstoves	WoodstoveDayYear	82.00	0.00
tblWoodstoves	WoodstoveWoodMass	3,019.20	0.00
tblWoodstoves	WoodstoveWoodMass	3,019.20	0.00

## 2.0 Emissions Summary

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**2.2 Overall Operational****Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	381.6349	8.7415	758.5167	0.0402		15.3393	15.3393		15.2222	15.2222	0.0000	176,996.1011	176,996.1011	4.6697	3.2198	178,092.3109
Energy	3.9650	33.9586	14.9738	0.2163		2.7395	2.7395		2.7395	2.7395		43,254.6444	43,254.6444	0.8291	0.7930	43,517.8849
Mobile	190.5190	316.2246	1,827.8623	7.7116	516.4701	8.1861	524.6562	137.8415	7.5620	145.4034		535,485.5175	535,485.5175	15.4475		535,809.9142
<b>Total</b>	<b>576.1189</b>	<b>358.9247</b>	<b>2,601.3527</b>	<b>7.9680</b>	<b>516.4701</b>	<b>26.2648</b>	<b>542.7349</b>	<b>137.8415</b>	<b>25.5236</b>	<b>163.3650</b>	<b>0.0000</b>	<b>755,736.2630</b>	<b>755,736.2630</b>	<b>20.9462</b>	<b>4.0128</b>	<b>757,420.1100</b>

**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	381.6349	8.7415	758.5167	0.0402		15.3393	15.3393		15.2222	15.2222	0.0000	176,996.1011	176,996.1011	4.6697	3.2198	178,092.3109
Energy	3.9650	33.9586	14.9738	0.2163		2.7395	2.7395		2.7395	2.7395		43,254.6444	43,254.6444	0.8291	0.7930	43,517.8849
Mobile	190.5190	316.2246	1,827.8623	7.7116	516.4701	8.1861	524.6562	137.8415	7.5620	145.4034		535,485.5175	535,485.5175	15.4475		535,809.9142
<b>Total</b>	<b>576.1189</b>	<b>358.9247</b>	<b>2,601.3527</b>	<b>7.9680</b>	<b>516.4701</b>	<b>26.2648</b>	<b>542.7349</b>	<b>137.8415</b>	<b>25.5236</b>	<b>163.3650</b>	<b>0.0000</b>	<b>755,736.2630</b>	<b>755,736.2630</b>	<b>20.9462</b>	<b>4.0128</b>	<b>757,420.1100</b>

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

### 3.0 Construction Detail

#### Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Building Construction	Building Construction	1/1/2017	1/2/2017	5	1	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

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

#### OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Building Construction	Cranes	1	7.00	226	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45

#### 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
Building Construction	9	6,075.00	1,085.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT



### 3.1 Mitigation Measures Construction

### 3.2 Building Construction - 2017

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.1024	26.4057	18.1291	0.0268		1.7812	1.7812		1.6730	1.6730		2,639.8053	2,639.8053	0.6497		2,653.4490
<b>Total</b>	<b>3.1024</b>	<b>26.4057</b>	<b>18.1291</b>	<b>0.0268</b>		<b>1.7812</b>	<b>1.7812</b>		<b>1.6730</b>	<b>1.6730</b>		<b>2,639.8053</b>	<b>2,639.8053</b>	<b>0.6497</b>		<b>2,653.4490</b>

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	10.3746	91.9540	113.2888	0.2577	7.2020	1.3498	8.5517	2.0547	1.2414	3.2961		25,449.5306	25,449.5306	0.1891		25,453.5013
Worker	19.3012	22.6479	245.8185	0.6322	49.9047	0.3629	50.2676	13.2371	0.3347	13.5718		50,727.3096	50,727.3096	2.4459		50,778.6740
<b>Total</b>	<b>29.6758</b>	<b>114.6019</b>	<b>359.1073</b>	<b>0.8900</b>	<b>57.1066</b>	<b>1.7126</b>	<b>58.8193</b>	<b>15.2918</b>	<b>1.5761</b>	<b>16.8679</b>		<b>76,176.8402</b>	<b>76,176.8402</b>	<b>2.6350</b>		<b>76,232.1752</b>

### 3.2 Building Construction - 2017

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.1024	26.4057	18.1291	0.0268		1.7812	1.7812		1.6730	1.6730	0.0000	2,639.8053	2,639.8053	0.6497		2,653.4490
<b>Total</b>	<b>3.1024</b>	<b>26.4057</b>	<b>18.1291</b>	<b>0.0268</b>		<b>1.7812</b>	<b>1.7812</b>		<b>1.6730</b>	<b>1.6730</b>	<b>0.0000</b>	<b>2,639.8053</b>	<b>2,639.8053</b>	<b>0.6497</b>		<b>2,653.4490</b>

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	10.3746	91.9540	113.2888	0.2577	7.2020	1.3498	8.5517	2.0547	1.2414	3.2961		25,449.5306	25,449.5306	0.1891		25,453.5013
Worker	19.3012	22.6479	245.8185	0.6322	49.9047	0.3629	50.2676	13.2371	0.3347	13.5718		50,727.3096	50,727.3096	2.4459		50,778.6740
<b>Total</b>	<b>29.6758</b>	<b>114.6019</b>	<b>359.1073</b>	<b>0.8900</b>	<b>57.1066</b>	<b>1.7126</b>	<b>58.8193</b>	<b>15.2918</b>	<b>1.5761</b>	<b>16.8679</b>		<b>76,176.8402</b>	<b>76,176.8402</b>	<b>2.6350</b>		<b>76,232.1752</b>

### 4.0 Operational Detail - Mobile

### 4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	190.5190	316.2246	1,827.8623	7.7116	516.4701	8.1861	524.6562	137.8415	7.5620	145.4034		535,485.5175	535,485.5175	15.4475		535,809.9142
Unmitigated	190.5190	316.2246	1,827.8623	7.7116	516.4701	8.1861	524.6562	137.8415	7.5620	145.4034		535,485.5175	535,485.5175	15.4475		535,809.9142

### 4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	46,920.80	50,979.20	43218.40	134,118,330	134,118,330
Government (Civic Center)	5,948.08	0.00	0.00	8,121,831	8,121,831
Single Family Housing	20,049.15	21,117.60	18373.15	56,998,585	56,998,585
Strip Mall	17,460.31	16,562.08	8048.60	24,621,216	24,621,216
Total	90,378.33	88,658.88	69,640.15	223,859,963	223,859,963

### 4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Low Rise	10.80	7.30	7.50	41.60	18.80	39.60	86	11	3
Government (Civic Center)	9.50	7.30	7.30	75.00	20.00	5.00	50	34	16
Single Family Housing	10.80	7.30	7.50	41.60	18.80	39.60	86	11	3
Strip Mall	9.50	7.30	7.30	16.60	64.40	19.00	45	40	15

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.511887	0.074493	0.190892	0.129437	0.036275	0.005211	0.012579	0.024993	0.001957	0.001971	0.006467	0.000450	0.003389

**5.0 Energy Detail**

**4.4 Fleet Mix**

Historical Energy Use: N

**5.1 Mitigation Measures Energy**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	3.9650	33.9586	14.9738	0.2163		2.7395	2.7395		2.7395	2.7395		43,254.6444	43,254.6444	0.8291	0.7930	43,517.8849
NaturalGas Unmitigated	3.9650	33.9586	14.9738	0.2163		2.7395	2.7395		2.7395	2.7395		43,254.6444	43,254.6444	0.8291	0.7930	43,517.8849

### 5.2 Energy by Land Use - NaturalGas

#### Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Single Family Housing	150577	1.6239	13.8767	5.9050	0.0886		1.1220	1.1220		1.1220	1.1220		17,714.9891	17,714.9891	0.3395	0.3248	17,822.7996
Strip Mall	2255.83	0.0243	0.2212	0.1858	1.3300e-003		0.0168	0.0168		0.0168	0.0168		265.3913	265.3913	5.0900e-003	4.8700e-003	267.0064
Apartments Low Rise	204208	2.2023	18.8192	8.0082	0.1201		1.5216	1.5216		1.5216	1.5216		24,024.5209	24,024.5209	0.4605	0.4405	24,170.7301
Government (Civic Center)	10622.8	0.1146	1.0415	0.8748	6.2500e-003		0.0792	0.0792		0.0792	0.0792		1,249.7431	1,249.7431	0.0240	0.0229	1,257.3488
<b>Total</b>		<b>3.9650</b>	<b>33.9586</b>	<b>14.9738</b>	<b>0.2163</b>		<b>2.7395</b>	<b>2.7395</b>		<b>2.7395</b>	<b>2.7395</b>		<b>43,254.6444</b>	<b>43,254.6444</b>	<b>0.8291</b>	<b>0.7930</b>	<b>43,517.8849</b>

### 5.2 Energy by Land Use - NaturalGas

#### Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Single Family Housing	150.577	1.6239	13.8767	5.9050	0.0886		1.1220	1.1220		1.1220	1.1220		17,714.9891	17,714.9891	0.3395	0.3248	17,822.7996
Strip Mall	2.25583	0.0243	0.2212	0.1858	1.3300e-003		0.0168	0.0168		0.0168	0.0168		265.3913	265.3913	5.0900e-003	4.8700e-003	267.0064
Apartments Low Rise	204.208	2.2023	18.8192	8.0082	0.1201		1.5216	1.5216		1.5216	1.5216		24,024.5209	24,024.5209	0.4605	0.4405	24,170.7301
Government (Civic Center)	10.6228	0.1146	1.0415	0.8748	6.2500e-003		0.0792	0.0792		0.0792	0.0792		1,249.7431	1,249.7431	0.0240	0.0229	1,257.3488
<b>Total</b>		<b>3.9650</b>	<b>33.9586</b>	<b>14.9738</b>	<b>0.2163</b>		<b>2.7395</b>	<b>2.7395</b>		<b>2.7395</b>	<b>2.7395</b>		<b>43,254.6444</b>	<b>43,254.6444</b>	<b>0.8291</b>	<b>0.7930</b>	<b>43,517.8849</b>

### 6.0 Area Detail

#### 6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	381.6349	8.7415	758.5167	0.0402		15.3393	15.3393		15.2222	15.2222	0.0000	176,996.1011	176,996.1011	4.6697	3.2198	178,092.3109
Unmitigated	381.6349	8.7415	758.5167	0.0402		15.3393	15.3393		15.2222	15.2222	0.0000	176,996.1011	176,996.1011	4.6697	3.2198	178,092.3109

## 6.2 Area by SubCategory

### Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	96.8217					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	246.0572					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	16.0992	7.3000e-004	0.8781	0.0000		11.1231	11.1231		11.0060	11.0060	0.0000	175,627.0588	175,627.0588	3.3662	3.2198	176,695.8958
Landscaping	22.6569	8.7408	757.6386	0.0402		4.2162	4.2162		4.2162	4.2162		1,369.0423	1,369.0423	1.3035		1,396.4151
<b>Total</b>	<b>381.6349</b>	<b>8.7415</b>	<b>758.5167</b>	<b>0.0402</b>		<b>15.3393</b>	<b>15.3393</b>		<b>15.2222</b>	<b>15.2222</b>	<b>0.0000</b>	<b>176,996.1011</b>	<b>176,996.1011</b>	<b>4.6697</b>	<b>3.2198</b>	<b>178,092.3109</b>

## 6.2 Area by SubCategory

### Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	96.8217					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	246.0572					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	16.0992	7.3000e-004	0.8781	0.0000		11.1231	11.1231		11.0060	11.0060	0.0000	175,627.0588	175,627.0588	3.3662	3.2198	176,695.8958
Landscaping	22.6569	8.7408	757.6386	0.0402		4.2162	4.2162		4.2162	4.2162		1,369.0423	1,369.0423	1.3035		1,396.4151
<b>Total</b>	<b>381.6349</b>	<b>8.7415</b>	<b>758.5167</b>	<b>0.0402</b>		<b>15.3393</b>	<b>15.3393</b>		<b>15.2222</b>	<b>15.2222</b>	<b>0.0000</b>	<b>176,996.1011</b>	<b>176,996.1011</b>	<b>4.6697</b>	<b>3.2198</b>	<b>178,092.3109</b>

## 7.0 Water Detail

### 7.1 Mitigation Measures Water

## 8.0 Waste Detail

### 8.1 Mitigation Measures Waste

## 9.0 Operational Offroad

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



**6086 Golden Hill - Proposed Plan 2035**  
**San Diego County APCD Air District, Winter**

**1.0 Project Characteristics**

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**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Government (Civic Center)	213.04	1000sqft	4.89	213,040.00	0
Apartments Low Rise	7,120.00	Dwelling Unit	445.00	7,120,000.00	20363
Single Family Housing	2,095.00	Dwelling Unit	680.19	3,771,000.00	5992
Strip Mall	393.96	1000sqft	9.04	393,960.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.6	<b>Precipitation Freq (Days)</b>	40
<b>Climate Zone</b>	13			<b>Operational Year</b>	2035
<b>Utility Company</b>	San Diego Gas & Electric				
<b>CO2 Intensity (lb/MWhr)</b>	433.73	<b>CH4 Intensity (lb/MWhr)</b>	0.017	<b>N2O Intensity (lb/MWhr)</b>	0.004

**1.3 User Entered Comments & Non-Default Data**

Project Characteristics - RPS 2030 50% goal

CalEEMod accounts for 10.2%

Additional 39.8% reduction applied

(433.73, 0.017, 0.004)

Land Use - Golden Hill proposed land uses

Construction Phase - Construction calculated separately

Woodstoves - No woodstoves or woodburning fireplaces

Area Coating - SDAPCD Rule 67

Energy Use - 2013 Title 24

Water And Wastewater - CalGreen 20% indoor water reduction

Area Mitigation -

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	150
tblConstructionPhase	NumDays	155,000.00	1.00
tblEnergyUse	T24E	184.75	141.70
tblEnergyUse	T24E	5.69	4.45
tblEnergyUse	T24E	425.62	270.69
tblEnergyUse	T24E	3.89	3.04
tblEnergyUse	T24NG	8,285.40	7,970.55
tblEnergyUse	T24NG	16.83	14.00
tblEnergyUse	T24NG	21,834.49	20,415.25
tblEnergyUse	T24NG	1.20	1.00
tblFireplaces	NumberGas	3,916.00	6,408.00
tblFireplaces	NumberGas	1,152.25	1,885.50
tblFireplaces	NumberWood	2,492.00	0.00
tblFireplaces	NumberWood	733.25	0.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.017
tblProjectCharacteristics	CO2IntensityFactor	720.49	433.73
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.004

tblProjectCharacteristics	OperationalYear	2014	2035
tblWater	IndoorWaterUseRate	463,896,662.42	371,117,329.94
tblWater	IndoorWaterUseRate	42,322,459.48	33,857,967.58
tblWater	IndoorWaterUseRate	136,497,683.68	109,198,146.94
tblWater	IndoorWaterUseRate	29,181,610.56	23,345,288.45
tblWoodstoves	NumberCatalytic	356.00	0.00
tblWoodstoves	NumberCatalytic	104.75	0.00
tblWoodstoves	NumberNoncatalytic	356.00	0.00
tblWoodstoves	NumberNoncatalytic	104.75	0.00
tblWoodstoves	WoodstoveDayYear	82.00	0.00
tblWoodstoves	WoodstoveDayYear	82.00	0.00
tblWoodstoves	WoodstoveWoodMass	3,019.20	0.00
tblWoodstoves	WoodstoveWoodMass	3,019.20	0.00

## 2.0 Emissions Summary

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**2.2 Overall Operational**

**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	381.6349	8.7415	758.5167	0.0402		15.3393	15.3393		15.2222	15.2222	0.0000	176,996.1011	176,996.1011	4.6697	3.2198	178,092.3109
Energy	3.9650	33.9586	14.9738	0.2163		2.7395	2.7395		2.7395	2.7395		43,254.6444	43,254.6444	0.8291	0.7930	43,517.8849
Mobile	200.9056	335.5265	1,930.2426	7.3265	516.4701	8.2129	524.6830	137.8415	7.5866	145.4280		510,593.0381	510,593.0381	15.4727		510,917.9644
<b>Total</b>	<b>586.5055</b>	<b>378.2266</b>	<b>2,703.7331</b>	<b>7.5830</b>	<b>516.4701</b>	<b>26.2916</b>	<b>542.7617</b>	<b>137.8415</b>	<b>25.5482</b>	<b>163.3897</b>	<b>0.0000</b>	<b>730,843.7835</b>	<b>730,843.7835</b>	<b>20.9714</b>	<b>4.0128</b>	<b>732,528.1602</b>

**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	381.6349	8.7415	758.5167	0.0402		15.3393	15.3393		15.2222	15.2222	0.0000	176,996.1011	176,996.1011	4.6697	3.2198	178,092.3109
Energy	3.9650	33.9586	14.9738	0.2163		2.7395	2.7395		2.7395	2.7395		43,254.6444	43,254.6444	0.8291	0.7930	43,517.8849
Mobile	200.9056	335.5265	1,930.2426	7.3265	516.4701	8.2129	524.6830	137.8415	7.5866	145.4280		510,593.0381	510,593.0381	15.4727		510,917.9644
<b>Total</b>	<b>586.5055</b>	<b>378.2266</b>	<b>2,703.7331</b>	<b>7.5830</b>	<b>516.4701</b>	<b>26.2916</b>	<b>542.7617</b>	<b>137.8415</b>	<b>25.5482</b>	<b>163.3897</b>	<b>0.0000</b>	<b>730,843.7835</b>	<b>730,843.7835</b>	<b>20.9714</b>	<b>4.0128</b>	<b>732,528.1602</b>

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

### 3.0 Construction Detail

#### Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Building Construction	Building Construction	1/1/2017	1/2/2017	5	1	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

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

#### OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Building Construction	Cranes	1	7.00	226	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45

#### 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
Building Construction	9	6,075.00	1,085.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

### 3.1 Mitigation Measures Construction

### 3.2 Building Construction - 2017

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.1024	26.4057	18.1291	0.0268		1.7812	1.7812		1.6730	1.6730		2,639.8053	2,639.8053	0.6497		2,653.4490
<b>Total</b>	<b>3.1024</b>	<b>26.4057</b>	<b>18.1291</b>	<b>0.0268</b>		<b>1.7812</b>	<b>1.7812</b>		<b>1.6730</b>	<b>1.6730</b>		<b>2,639.8053</b>	<b>2,639.8053</b>	<b>0.6497</b>		<b>2,653.4490</b>

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	11.9643	94.1316	153.8536	0.2564	7.2020	1.3634	8.5654	2.0547	1.2540	3.3087		25,253.7944	25,253.7944	0.1942		25,257.8725
Worker	20.3936	25.4121	237.6361	0.5935	49.9047	0.3629	50.2676	13.2371	0.3347	13.5718		47,637.0000	47,637.0000	2.4459		47,688.3643
<b>Total</b>	<b>32.3579</b>	<b>119.5437</b>	<b>391.4897</b>	<b>0.8499</b>	<b>57.1066</b>	<b>1.7263</b>	<b>58.8330</b>	<b>15.2918</b>	<b>1.5887</b>	<b>16.8805</b>		<b>72,890.7943</b>	<b>72,890.7943</b>	<b>2.6401</b>		<b>72,946.2368</b>

### 3.2 Building Construction - 2017

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.1024	26.4057	18.1291	0.0268		1.7812	1.7812		1.6730	1.6730	0.0000	2,639.8053	2,639.8053	0.6497		2,653.4490
<b>Total</b>	<b>3.1024</b>	<b>26.4057</b>	<b>18.1291</b>	<b>0.0268</b>		<b>1.7812</b>	<b>1.7812</b>		<b>1.6730</b>	<b>1.6730</b>	<b>0.0000</b>	<b>2,639.8053</b>	<b>2,639.8053</b>	<b>0.6497</b>		<b>2,653.4490</b>

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	11.9643	94.1316	153.8536	0.2564	7.2020	1.3634	8.5654	2.0547	1.2540	3.3087		25,253.7944	25,253.7944	0.1942		25,257.8725
Worker	20.3936	25.4121	237.6361	0.5935	49.9047	0.3629	50.2676	13.2371	0.3347	13.5718		47,637.0000	47,637.0000	2.4459		47,688.3643
<b>Total</b>	<b>32.3579</b>	<b>119.5437</b>	<b>391.4897</b>	<b>0.8499</b>	<b>57.1066</b>	<b>1.7263</b>	<b>58.8330</b>	<b>15.2918</b>	<b>1.5887</b>	<b>16.8805</b>		<b>72,890.7943</b>	<b>72,890.7943</b>	<b>2.6401</b>		<b>72,946.2368</b>

### 4.0 Operational Detail - Mobile



### 4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	200.9056	335.5265	1,930,242.6	7.3265	516.4701	8.2129	524.6830	137.8415	7.5866	145.4280		510,593.0381	510,593.0381	15.4727		510,917.9644
Unmitigated	200.9056	335.5265	1,930,242.6	7.3265	516.4701	8.2129	524.6830	137.8415	7.5866	145.4280		510,593.0381	510,593.0381	15.4727		510,917.9644

### 4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	46,920.80	50,979.20	43218.40	134,118,330	134,118,330
Government (Civic Center)	5,948.08	0.00	0.00	8,121,831	8,121,831
Single Family Housing	20,049.15	21,117.60	18373.15	56,998,585	56,998,585
Strip Mall	17,460.31	16,562.08	8048.60	24,621,216	24,621,216
<b>Total</b>	<b>90,378.33</b>	<b>88,658.88</b>	<b>69,640.15</b>	<b>223,859,963</b>	<b>223,859,963</b>

### 4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Low Rise	10.80	7.30	7.50	41.60	18.80	39.60	86	11	3
Government (Civic Center)	9.50	7.30	7.30	75.00	20.00	5.00	50	34	16
Single Family Housing	10.80	7.30	7.50	41.60	18.80	39.60	86	11	3
Strip Mall	9.50	7.30	7.30	16.60	64.40	19.00	45	40	15

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.511887	0.074493	0.190892	0.129437	0.036275	0.005211	0.012579	0.024993	0.001957	0.001971	0.006467	0.000450	0.003389

**5.0 Energy Detail**

Historical Energy Use: N

**5.1 Mitigation Measures Energy**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	3.9650	33.9586	14.9738	0.2163		2.7395	2.7395		2.7395	2.7395		43,254.6444	43,254.6444	0.8291	0.7930	43,517.8849
NaturalGas Unmitigated	3.9650	33.9586	14.9738	0.2163		2.7395	2.7395		2.7395	2.7395		43,254.6444	43,254.6444	0.8291	0.7930	43,517.8849

### 5.2 Energy by Land Use - NaturalGas

#### Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Single Family Housing	150577	1.6239	13.8767	5.9050	0.0886		1.1220	1.1220		1.1220	1.1220		17,714.9891	17,714.9891	0.3395	0.3248	17,822.7996
Strip Mall	2255.83	0.0243	0.2212	0.1858	1.3300e-003		0.0168	0.0168		0.0168	0.0168		265.3913	265.3913	5.0900e-003	4.8700e-003	267.0064
Apartments Low Rise	204208	2.2023	18.8192	8.0082	0.1201		1.5216	1.5216		1.5216	1.5216		24,024.5209	24,024.5209	0.4605	0.4405	24,170.7301
Government (Civic Center)	10622.8	0.1146	1.0415	0.8748	6.2500e-003		0.0792	0.0792		0.0792	0.0792		1,249.7431	1,249.7431	0.0240	0.0229	1,257.3488
<b>Total</b>		<b>3.9650</b>	<b>33.9586</b>	<b>14.9738</b>	<b>0.2163</b>		<b>2.7395</b>	<b>2.7395</b>		<b>2.7395</b>	<b>2.7395</b>		<b>43,254.6444</b>	<b>43,254.6444</b>	<b>0.8291</b>	<b>0.7930</b>	<b>43,517.8849</b>

### 5.2 Energy by Land Use - NaturalGas

#### Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Single Family Housing	150.577	1.6239	13.8767	5.9050	0.0886		1.1220	1.1220		1.1220	1.1220		17,714.9891	17,714.9891	0.3395	0.3248	17,822.7996
Strip Mall	2.25583	0.0243	0.2212	0.1858	1.3300e-003		0.0168	0.0168		0.0168	0.0168		265.3913	265.3913	5.0900e-003	4.8700e-003	267.0064
Apartments Low Rise	204.208	2.2023	18.8192	8.0082	0.1201		1.5216	1.5216		1.5216	1.5216		24,024.5209	24,024.5209	0.4605	0.4405	24,170.7301
Government (Civic Center)	10.6228	0.1146	1.0415	0.8748	6.2500e-003		0.0792	0.0792		0.0792	0.0792		1,249.7431	1,249.7431	0.0240	0.0229	1,257.3488
<b>Total</b>		<b>3.9650</b>	<b>33.9586</b>	<b>14.9738</b>	<b>0.2163</b>		<b>2.7395</b>	<b>2.7395</b>		<b>2.7395</b>	<b>2.7395</b>		<b>43,254.6444</b>	<b>43,254.6444</b>	<b>0.8291</b>	<b>0.7930</b>	<b>43,517.8849</b>

### 6.0 Area Detail

#### 6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	381.6349	8.7415	758.5167	0.0402		15.3393	15.3393		15.2222	15.2222	0.0000	176,996.1011	176,996.1011	4.6697	3.2198	178,092.3109
Unmitigated	381.6349	8.7415	758.5167	0.0402		15.3393	15.3393		15.2222	15.2222	0.0000	176,996.1011	176,996.1011	4.6697	3.2198	178,092.3109

### 6.2 Area by SubCategory

#### Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	96.8217					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	246.0572					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	16.0992	7.3000e-004	0.8781	0.0000		11.1231	11.1231		11.0060	11.0060	0.0000	175,627.0588	175,627.0588	3.3662	3.2198	176,695.8958
Landscaping	22.6569	8.7408	757.6386	0.0402		4.2162	4.2162		4.2162	4.2162		1,369.0423	1,369.0423	1.3035		1,396.4151
<b>Total</b>	<b>381.6349</b>	<b>8.7415</b>	<b>758.5167</b>	<b>0.0402</b>		<b>15.3393</b>	<b>15.3393</b>		<b>15.2222</b>	<b>15.2222</b>	<b>0.0000</b>	<b>176,996.1011</b>	<b>176,996.1011</b>	<b>4.6697</b>	<b>3.2198</b>	<b>178,092.3109</b>

## 6.2 Area by SubCategory

### Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	96.8217					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	246.0572					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	16.0992	7.3000e-004	0.8781	0.0000		11.1231	11.1231		11.0060	11.0060	0.0000	175,627.0588	175,627.0588	3.3662	3.2198	176,695.8958
Landscaping	22.6569	8.7408	757.6386	0.0402		4.2162	4.2162		4.2162	4.2162		1,369.0423	1,369.0423	1.3035		1,396.4151
<b>Total</b>	<b>381.6349</b>	<b>8.7415</b>	<b>758.5167</b>	<b>0.0402</b>		<b>15.3393</b>	<b>15.3393</b>		<b>15.2222</b>	<b>15.2222</b>	<b>0.0000</b>	<b>176,996.1011</b>	<b>176,996.1011</b>	<b>4.6697</b>	<b>3.2198</b>	<b>178,092.3109</b>

## 7.0 Water Detail

### 7.1 Mitigation Measures Water

## 8.0 Waste Detail

### 8.1 Mitigation Measures Waste

## 9.0 Operational Offroad

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

**ATTACHMENT 2**

**EMFAC2011 Emissions Data Sheets**

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EMFAC2011 Emissions Inventory

Region Type: Air Basin

Region: San Diego

Calendar Year: 2035

Season: Annual

Vehicle Classification: EMFAC2011 Categories

Region	CalYr	Season	Veh_Class	Fuel	MdlYr	Speed (miles/hr)	VMT (miles/day)	PM10_RUNEX (tons/day)	PM2_5_RUNEX (tons/day)
San Diego	2035	Annual	LDA	DSL	Aggregated	55	7187.736527	3.7114E-05	3.41449E-05
San Diego	2035	Annual	LDT1	DSL	Aggregated	55	306.241359	1.55145E-06	1.42733E-06
San Diego	2035	Annual	LDT2	DSL	Aggregated	55	262.4929	1.45143E-06	1.33532E-06
San Diego	2035	Annual	LHD1	DSL	Aggregated	55	124950.7492	0.001766399	0.001625087
San Diego	2035	Annual	LHD2	DSL	Aggregated	55	32265.47227	0.000424667	0.000390694
San Diego	2035	Annual	MDV	DSL	Aggregated	55	475.81679	2.58786E-06	2.38083E-06
San Diego	2035	Annual	MH	DSL	Aggregated	55	7282.735719	0.000497279	0.000457496
San Diego	2035	Annual	Motor Coach	DSL	Aggregated	55	13136.49433	0.001136527	0.001045605
San Diego	2035	Annual	SBUS	DSL	Aggregated	55	1429.099904	0.000114121	0.000104992
San Diego	2035	Annual	T6 Ag	DSL	Aggregated	55	842.4641327	4.84663E-05	4.4589E-05
San Diego	2035	Annual	T6 Public	DSL	Aggregated	55	7526.566694	0.000276834	0.000254687
San Diego	2035	Annual	T6 CAIRP hea	DSL	Aggregated	55	120.6168196	5.83362E-06	5.36693E-06
San Diego	2035	Annual	T6 CAIRP sm	DSL	Aggregated	55	417.5658774	1.88599E-05	1.73511E-05
San Diego	2035	Annual	T6 OOS heav	DSL	Aggregated	55	69.15213756	3.34453E-06	3.07697E-06
San Diego	2035	Annual	T6 OOS small	DSL	Aggregated	55	239.3992238	1.08128E-05	9.94776E-06
San Diego	2035	Annual	T6 instate con	DSL	Aggregated	55	7473.210448	0.000400998	0.000368918
San Diego	2035	Annual	T6 instate con	DSL	Aggregated	55	22239.99583	0.001058975	0.000974257
San Diego	2035	Annual	T6 instate hea	DSL	Aggregated	55	31317.67433	0.001682536	0.001547933
San Diego	2035	Annual	T6 instate sm	DSL	Aggregated	55	93000.93702	0.00443053	0.004076088
San Diego	2035	Annual	T6 utility	DSL	Aggregated	55	836.5828907	2.96954E-05	2.73198E-05
San Diego	2035	Annual	T7 Ag	DSL	Aggregated	55	2947.360897	0.000273205	0.000251349
San Diego	2035	Annual	T7 CAIRP	DSL	Aggregated	55	91450.82113	0.008868968	0.008159451
San Diego	2035	Annual	T7 CAIRP cor	DSL	Aggregated	55	7893.199255	0.000765547	0.000704303
San Diego	2035	Annual	T7 NNOOS	DSL	Aggregated	55	102878.7554	0.008275438	0.007613403
San Diego	2035	Annual	T7 NOOS	DSL	Aggregated	55	33304.06522	0.003229854	0.002971466
San Diego	2035	Annual	T7 other port	DSL	Aggregated	55	21099.91901	0.002584951	0.002378155
San Diego	2035	Annual	T7 POAK	DSL	Aggregated	55	0	0	0
San Diego	2035	Annual	T7 POLA	DSL	Aggregated	55	18429.91724	0.002257849	0.002077221
San Diego	2035	Annual	T7 Public	DSL	Aggregated	55	4801.834539	0.000274434	0.000252479
San Diego	2035	Annual	T7 Single	DSL	Aggregated	55	49006.49688	0.003553091	0.003268844
San Diego	2035	Annual	T7 single con	DSL	Aggregated	55	20418.66794	0.001481278	0.001362776
San Diego	2035	Annual	T7 SWCV	DSL	Aggregated	55	14001.16398	0.000910413	0.00083758
San Diego	2035	Annual	T7 tractor	DSL	Aggregated	55	135103.8396	0.013165807	0.012112543
San Diego	2035	Annual	T7 tractor con	DSL	Aggregated	55	15223.62609	0.001487579	0.001368573
San Diego	2035	Annual	T7 utility	DSL	Aggregated	55	689.7641179	3.72479E-05	3.42681E-05
San Diego	2035	Annual	UBUS	DSL	Aggregated	55	6163.432962	0.000581587	0.00053506
San Diego	2035	Annual	All Other Bus	DSL	Aggregated	55	9297.157425	0.000553616	0.000509326

F reeway	Segment		Emission Rate
I-5	Old Town Avenue	Washington Street	3.069E-06
	Washington Street	Sassafras Street	2.314E-06
	Sassafras Street	Pacific Highway	2.380E-06
	Pacific Highway	India Street	3.053E-06
	India Street	Hawthorn Street	3.151E-06
	Hawthorn Street	First Avenue	2.642E-06
	First Avenue	Sixth Avenue	3.348E-06
	Sixth Avenue	SR-163	3.524E-06
	SR-163	Pershing Drive	3.663E-06
	Pershing Drive	SR-94	3.663E-06
	SR-94	Imperial Avenue	2.851E-06
I-8	Hotel Circle (W)	Hotel Circle (E)	7.982E-07
	Hotel Circle (E)	SR-163	1.810E-06
	SR-163	Mission Center Road	1.826E-06
	Mission Center Road	Qualcomm Way	2.211E-06
	Qualcomm Way	I-805	1.863E-06
	I-805	I-15	2.674E-06
I-15	I-805	SR-94	2.072E-06
I-805	I-8	Adams Avenue	5.698E-06
	Adams Avenue	El Cajon Boulevard	5.169E-06
	El Cajon Boulevard	University Avenue	5.052E-06
	University Avenue	I-15	4.875E-06
SR-94	25th Street	28th Street	1.703E-06
	28th Street	30th Street	1.911E-06
	30th Street	I-15	2.848E-06
SR-163	I-8	Sixth Avenue	1.873E-06
	Sixth Avenue	Washington Street	1.506E-06
	Washington Street	Robinson Avenue	1.017E-06
	Robinson Avenue	Richmond Street	1.090E-06
	Richmond Street	Quince Street	1.108E-06
	Quince Street	I-5	1.145E-06

**ATTACHMENT 3**  
**AERMOD Data Sheets**

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**
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**
** AERMOD Input Produced by:
** AERMOD View Ver. 8.8.1
** Lakes Environmental Software Inc.
** Date: 3/30/2015
** File: C:\AERMOD\6086\6086_Fut\6086_Fut.ADI
**

```

```

*****
**
**
*****
** AERMOD Control Pathway
*****
**
**

```

```

CO STARTING
  TITLEONE H:\RECON\6806\AERMOD\Fut\6086_Fut\6086_Fut.isc
  MODELOPT CONC FLAT ELEV
  AVERTIME 1 ANNUAL
  POLLUTID PM_10
  RUNORNOT RUN
  ERRORFIL 6086_Fut.err

```

```

CO FINISHED
**
*****
** AERMOD Source Pathway
*****
**

```

```

SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
** ----- **

```

```

** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE1
** DESCRSRC I-5: Imperial to SR-94
** PREFIX
** Length of Side = 50.00
** Configuration = Adjacent
** Emission Rate = 2.851E-06
** Vertical Dimension = 50.00
** SZINIT = 23.26
** Nodes = 2
** 486166.058, 3618736.421, 19.99, 4.27, 23.26
** 486162.222, 3619526.243, 18.84, 4.27, 23.26
** ----- **

```

LOCATION	VOLUME	X Coord.	Y Coord.	Height
L0000877	486165.937	3618761.421	21.51	
L0000878	486165.694	3618811.420	20.56	
L0000879	486165.451	3618861.419	19.49	
L0000880	486165.208	3618911.419	21.18	
L0000881	486164.965	3618961.418	19.91	
L0000882	486164.723	3619011.418	17.99	
L0000883	486164.480	3619061.417	19.47	
L0000884	486164.237	3619111.416	17.80	
L0000885	486163.994	3619161.416	17.18	
L0000886	486163.751	3619211.415	18.66	
L0000887	486163.508	3619261.415	18.27	
L0000888	486163.266	3619311.414	18.74	

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LOCATION L0000889      VOLUME  486163.023 3619361.414 18.43
LOCATION L0000890      VOLUME  486162.780 3619411.413 18.04
LOCATION L0000891      VOLUME  486162.537 3619461.412 19.25
LOCATION L0000892      VOLUME  486162.294 3619511.412 19.62
** End of LINE VOLUME Source ID = SLINE1
** -----
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE2
** DESCRSRC I-5: SR-94 to SR-163/6th Ave
** PREFIX
** Length of Side = 50.00
** Configuration = Adjacent
** Emission Rate = 3.663E-06
** Vertical Dimension = 50.00
** SZINIT = 23.26
** Nodes = 7
** 486162.553, 3619525.274, 18.81, 4.27, 23.26
** 486156.514, 3620078.436, 32.56, 4.27, 23.26
** 486135.273, 3620213.844, 34.77, 4.27, 23.26
** 486062.692, 3620444.818, 53.03, 4.27, 23.26
** 485896.166, 3620666.532, 58.51, 4.27, 23.26
** 485728.314, 3620735.199, 62.11, 4.27, 23.26
** 485434.954, 3620711.886, 46.32, 4.27, 23.26
** -----
LOCATION L0000893      VOLUME  486162.280 3619550.273 19.68
LOCATION L0000894      VOLUME  486161.735 3619600.270 27.17
LOCATION L0000895      VOLUME  486161.189 3619650.267 25.62
LOCATION L0000896      VOLUME  486160.643 3619700.264 26.59
LOCATION L0000897      VOLUME  486160.097 3619750.261 29.00
LOCATION L0000898      VOLUME  486159.551 3619800.258 26.97
LOCATION L0000899      VOLUME  486159.005 3619850.255 23.50
LOCATION L0000900      VOLUME  486158.459 3619900.252 22.87
LOCATION L0000901      VOLUME  486157.914 3619950.249 25.13
LOCATION L0000902      VOLUME  486157.368 3620000.246 37.71
LOCATION L0000903      VOLUME  486156.822 3620050.243 32.52
LOCATION L0000904      VOLUME  486153.135 3620099.978 32.69
LOCATION L0000905      VOLUME  486145.387 3620149.374 30.94
LOCATION L0000906      VOLUME  486137.638 3620198.770 35.20
LOCATION L0000907      VOLUME  486124.859 3620246.987 49.90
LOCATION L0000908      VOLUME  486109.869 3620294.688 47.48
LOCATION L0000909      VOLUME  486094.880 3620342.388 47.64
LOCATION L0000910      VOLUME  486079.890 3620390.088 49.56
LOCATION L0000911      VOLUME  486064.901 3620437.788 52.72
LOCATION L0000912      VOLUME  486037.089 3620478.905 51.84
LOCATION L0000913      VOLUME  486007.061 3620518.885 50.26
LOCATION L0000914      VOLUME  485977.034 3620558.864 50.23
LOCATION L0000915      VOLUME  485947.006 3620598.843 49.99
LOCATION L0000916      VOLUME  485916.978 3620638.822 54.12
LOCATION L0000917      VOLUME  485881.964 3620672.342 57.43
LOCATION L0000918      VOLUME  485835.686 3620691.274 55.60
LOCATION L0000919      VOLUME  485789.409 3620710.206 54.39
LOCATION L0000920      VOLUME  485743.132 3620729.137 58.86
LOCATION L0000921      VOLUME  485694.430 3620732.506 57.50
LOCATION L0000922      VOLUME  485644.587 3620728.545 58.55
LOCATION L0000923      VOLUME  485594.745 3620724.584 57.84
LOCATION L0000924      VOLUME  485544.902 3620720.623 51.37
LOCATION L0000925      VOLUME  485495.059 3620716.662 46.34
LOCATION L0000926      VOLUME  485445.216 3620712.701 44.77
** End of LINE VOLUME Source ID = SLINE2
** -----

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** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE3
** DESCRSRC I-5: SR-163/6th Ave to Grape/Hawthorne
** PREFIX
** Length of Side = 50.00
** Configuration = Adjacent
** Emission Rate = 3.524E-06
** Vertical Dimension = 50.00
** SZINIT = 23.26
** Nodes = 9
** 485435.811, 3620712.683, 46.32, 4.27, 23.26
** 485261.585, 3620690.080, 43.57, 4.27, 23.26
** 485060.662, 3620601.064, 47.94, 4.27, 23.26
** 484943.669, 3620560.371, 38.43, 4.27, 23.26
** 484864.826, 3620552.741, 30.14, 4.27, 23.26
** 484747.832, 3620578.174, 38.56, 4.27, 23.26
** 484643.705, 3620629.452, 31.00, 4.27, 23.26
** 484573.417, 3620699.740, 30.82, 4.27, 23.26
** 484301.636, 3621033.999, 32.78, 4.27, 23.26
**

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LOCATION L0000927      VOLUME 485411.019 3620709.466 46.99
LOCATION L0000928      VOLUME 485361.435 3620703.034 51.01
LOCATION L0000929      VOLUME 485311.850 3620696.601 48.88
LOCATION L0000930      VOLUME 485262.266 3620690.169 42.11
LOCATION L0000931      VOLUME 485216.498 3620670.105 42.47
LOCATION L0000932      VOLUME 485170.784 3620649.852 48.35
LOCATION L0000933      VOLUME 485125.069 3620629.599 48.29
LOCATION L0000934      VOLUME 485079.355 3620609.345 47.33
LOCATION L0000935      VOLUME 485032.748 3620591.355 44.84
LOCATION L0000936      VOLUME 484985.523 3620574.928 41.35
LOCATION L0000937      VOLUME 484938.009 3620559.823 40.13
LOCATION L0000938      VOLUME 484888.241 3620555.007 31.61
LOCATION L0000939      VOLUME 484838.955 3620558.365 33.84
LOCATION L0000940      VOLUME 484790.096 3620568.986 39.10
LOCATION L0000941      VOLUME 484741.778 3620581.156 35.33
LOCATION L0000942      VOLUME 484696.922 3620603.245 30.13
LOCATION L0000943      VOLUME 484652.066 3620625.335 30.95
LOCATION L0000944      VOLUME 484614.940 3620658.218 33.11
LOCATION L0000945      VOLUME 484579.584 3620693.573 31.01
LOCATION L0000946      VOLUME 484547.376 3620731.768 28.30
LOCATION L0000947      VOLUME 484515.833 3620770.562 29.12
LOCATION L0000948      VOLUME 484484.290 3620809.357 29.32
LOCATION L0000949      VOLUME 484452.746 3620848.151 32.39
LOCATION L0000950      VOLUME 484421.203 3620886.946 30.72
LOCATION L0000951      VOLUME 484389.660 3620925.741 31.00
LOCATION L0000952      VOLUME 484358.116 3620964.535 31.31
LOCATION L0000953      VOLUME 484326.573 3621003.330 32.33

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** End of LINE VOLUME Source ID = SLINE3
**
-----
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE4
** DESCRSRC I-5: Grape/Hawthorne to Olive
** PREFIX
** Length of Side = 50.00
** Configuration = Adjacent
** Emission Rate = 2.642E-06
** Vertical Dimension = 50.00
** SZINIT = 23.26
** Nodes = 2
** 484303.070, 3621033.773, 32.92, 4.27, 23.26

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** 483810.677, 3621702.651, 25.88, 4.27, 23.26
** -----
LOCATION L0000954      VOLUME  484288.250 3621053.906 32.52
LOCATION L0000955      VOLUME  484258.608 3621094.172 34.32
LOCATION L0000956      VOLUME  484228.966 3621134.438 35.00
LOCATION L0000957      VOLUME  484199.324 3621174.704 31.33
LOCATION L0000958      VOLUME  484169.682 3621214.970 28.83
LOCATION L0000959      VOLUME  484140.040 3621255.236 28.51
LOCATION L0000960      VOLUME  484110.399 3621295.502 25.19
LOCATION L0000961      VOLUME  484080.757 3621335.769 25.43
LOCATION L0000962      VOLUME  484051.115 3621376.035 27.02
LOCATION L0000963      VOLUME  484021.473 3621416.301 26.81
LOCATION L0000964      VOLUME  483991.831 3621456.567 26.97
LOCATION L0000965      VOLUME  483962.189 3621496.833 28.38
LOCATION L0000966      VOLUME  483932.548 3621537.099 27.07
LOCATION L0000967      VOLUME  483902.906 3621577.365 27.14
LOCATION L0000968      VOLUME  483873.264 3621617.632 25.22
LOCATION L0000969      VOLUME  483843.622 3621657.898 25.11
LOCATION L0000970      VOLUME  483813.980 3621698.164 23.62
** End of LINE VOLUME Source ID = SLINE4
** -----
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE5
** DESCRSRC I-5: Olive to Washington
** PREFIX
** Length of Side = 50.00
** Configuration = Adjacent
** Emission Rate = 3.053E-06
** Vertical Dimension = 50.00
** SZINIT = 23.26
** Nodes = 4
** 483811.054, 3621701.942, 25.84, 4.27, 23.26
** 483144.310, 3622599.367, 16.28, 4.27, 23.26
** 483046.321, 3622675.071, 20.17, 4.27, 23.26
** 482901.045, 3622757.460, 21.00, 4.27, 23.26
** -----
LOCATION L0000971      VOLUME  483796.145 3621722.010 24.16
LOCATION L0000972      VOLUME  483766.326 3621762.145 26.75
LOCATION L0000973      VOLUME  483736.507 3621802.280 23.65
LOCATION L0000974      VOLUME  483706.689 3621842.416 23.87
LOCATION L0000975      VOLUME  483676.870 3621882.551 25.31
LOCATION L0000976      VOLUME  483647.051 3621922.687 28.62
LOCATION L0000977      VOLUME  483617.233 3621962.822 30.57
LOCATION L0000978      VOLUME  483587.414 3622002.957 28.24
LOCATION L0000979      VOLUME  483557.595 3622043.093 26.49
LOCATION L0000980      VOLUME  483527.777 3622083.228 27.66
LOCATION L0000981      VOLUME  483497.958 3622123.363 26.91
LOCATION L0000982      VOLUME  483468.139 3622163.499 25.99
LOCATION L0000983      VOLUME  483438.321 3622203.634 23.05
LOCATION L0000984      VOLUME  483408.502 3622243.769 21.35
LOCATION L0000985      VOLUME  483378.683 3622283.905 24.93
LOCATION L0000986      VOLUME  483348.865 3622324.040 25.62
LOCATION L0000987      VOLUME  483319.046 3622364.175 25.39
LOCATION L0000988      VOLUME  483289.227 3622404.311 25.15
LOCATION L0000989      VOLUME  483259.409 3622444.446 25.29
LOCATION L0000990      VOLUME  483229.590 3622484.581 25.93
LOCATION L0000991      VOLUME  483199.771 3622524.717 23.80
LOCATION L0000992      VOLUME  483169.953 3622564.852 19.65
LOCATION L0000993      VOLUME  483138.769 3622603.648 17.50
LOCATION L0000994      VOLUME  483099.202 3622634.217 17.07

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LOCATION	VOLUME				
L0000995	483059.635	3622664.785	19.47		
L0000996	483017.463	3622691.437	19.71		
L0000997	482973.970	3622716.103	22.13		
L0000998	482930.478	3622740.768	20.75		

\*\* End of LINE VOLUME Source ID = SLINE5

-----  
 \*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = SLINE6

\*\* DESCRSRC I-5: Washington to Old Town

\*\* PREFIX

\*\* Length of Side = 50.00

\*\* Configuration = Adjacent

\*\* Emission Rate = 3.069E-06

\*\* Vertical Dimension = 50.00

\*\* SZINIT = 23.26

\*\* Nodes = 3

\*\* 482899.551, 3622758.107, 21.01, 4.27, 23.26

\*\* 482082.792, 3623205.608, 11.48, 4.27, 23.26

\*\* 481883.787, 3623324.685, 8.99, 4.27, 23.26

LOCATION	VOLUME				
L0000999	482877.626	3622770.120	22.08		
L0001000	482833.776	3622794.145	22.72		
L0001001	482789.927	3622818.170	17.21		
L0001002	482746.077	3622842.195	17.84		
L0001003	482702.227	3622866.221	19.92		
L0001004	482658.378	3622890.246	21.26		
L0001005	482614.528	3622914.271	21.01		
L0001006	482570.679	3622938.296	20.28		
L0001007	482526.829	3622962.321	21.10		
L0001008	482482.979	3622986.346	18.80		
L0001009	482439.130	3623010.372	17.25		
L0001010	482395.280	3623034.397	14.75		
L0001011	482351.430	3623058.422	15.93		
L0001012	482307.581	3623082.447	13.11		
L0001013	482263.731	3623106.472	11.37		
L0001014	482219.881	3623130.497	18.08		
L0001015	482176.032	3623154.523	14.55		
L0001016	482132.182	3623178.548	12.66		
L0001017	482088.332	3623202.573	12.38		
L0001018	482045.307	3623228.038	8.65		
L0001019	482002.402	3623253.711	8.24		
L0001020	481959.496	3623279.384	7.97		
L0001021	481916.591	3623305.057	9.85		

\*\* End of LINE VOLUME Source ID = SLINE6

-----  
 \*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = SLINE7

\*\* DESCRSRC I-5: Washington to I-8

\*\* PREFIX

\*\* Length of Side = 50.00

\*\* Configuration = Adjacent

\*\* Emission Rate = 3.069E-06

\*\* Vertical Dimension = 50.00

\*\* SZINIT = 23.26

\*\* Nodes = 8

\*\* 481884.969, 3623325.200, 9.44, 4.27, 23.26

\*\* 481773.051, 3623416.428, 6.97, 4.27, 23.26

\*\* 481589.771, 3623625.617, 6.07, 4.27, 23.26

\*\* 481429.816, 3623850.638, 5.37, 4.27, 23.26

\*\* 481112.384, 3624129.554, 7.90, 4.27, 23.26

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** 481033.614, 3624220.900, 4.50, 4.27, 23.26
** 480952.594, 3624376.299, 3.17, 4.27, 23.26
** 480899.466, 3624641.938, 6.15, 4.27, 23.26
**

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LOCATION L0001022      VOLUME  481865.591 3623340.996 7.47
LOCATION L0001023      VOLUME  481826.836 3623372.587 9.29
LOCATION L0001024      VOLUME  481788.080 3623404.177 10.92
LOCATION L0001025      VOLUME  481752.878 3623439.452 4.26
LOCATION L0001026      VOLUME  481719.929 3623477.059 3.75
LOCATION L0001027      VOLUME  481686.979 3623514.667 6.34
LOCATION L0001028      VOLUME  481654.029 3623552.274 4.55
LOCATION L0001029      VOLUME  481621.080 3623589.881 6.07
LOCATION L0001030      VOLUME  481588.328 3623627.646 6.00
LOCATION L0001031      VOLUME  481559.360 3623668.399 6.00
LOCATION L0001032      VOLUME  481530.391 3623709.152 6.32
LOCATION L0001033      VOLUME  481501.422 3623749.905 7.09
LOCATION L0001034      VOLUME  481472.453 3623790.658 7.08
LOCATION L0001035      VOLUME  481443.484 3623831.411 6.07
LOCATION L0001036      VOLUME  481409.977 3623868.070 5.00
LOCATION L0001037      VOLUME  481372.417 3623901.073 4.82
LOCATION L0001038      VOLUME  481334.856 3623934.076 2.69
LOCATION L0001039      VOLUME  481297.295 3623967.079 4.42
LOCATION L0001040      VOLUME  481259.735 3624000.082 5.97
LOCATION L0001041      VOLUME  481222.174 3624033.085 2.55
LOCATION L0001042      VOLUME  481184.614 3624066.088 6.13
LOCATION L0001043      VOLUME  481147.053 3624099.091 8.39
LOCATION L0001044      VOLUME  481109.870 3624132.469 7.99
LOCATION L0001045      VOLUME  481077.218 3624170.334 7.91
LOCATION L0001046      VOLUME  481044.565 3624208.200 6.51
LOCATION L0001047      VOLUME  481018.251 3624250.366 5.29
LOCATION L0001048      VOLUME  480995.136 3624294.702 6.14
LOCATION L0001049      VOLUME  480972.020 3624339.038 2.48
LOCATION L0001050      VOLUME  480951.029 3624384.123 4.07
LOCATION L0001051      VOLUME  480941.223 3624433.152 7.34
LOCATION L0001052      VOLUME  480931.417 3624482.181 9.84
LOCATION L0001053      VOLUME  480921.611 3624531.210 8.26
LOCATION L0001054      VOLUME  480911.806 3624580.239 7.81
LOCATION L0001055      VOLUME  480902.000 3624629.268 6.13

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** End of LINE VOLUME Source ID = SLINE7
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** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE8
** DESCRSRC I-8: I-5 to Morena
** PREFIX
** Length of Side = 50.00
** Configuration = Adjacent
** Emission Rate = 7.982E-07
** Vertical Dimension = 50.00
** SZINIT = 23.26
** Nodes = 4
** 480900.621, 3624638.976, 6.02, 4.27, 23.26
** 481043.372, 3624643.870, 9.73, 4.27, 23.26
** 481280.746, 3624683.025, 12.33, 4.27, 23.26
** 481464.485, 3624719.042, 16.67, 4.27, 23.26
** -----

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LOCATION L0001088      VOLUME  480925.606 3624639.833 6.53
LOCATION L0001089      VOLUME  480975.577 3624641.546 8.97
LOCATION L0001090      VOLUME  481025.548 3624643.259 10.45
LOCATION L0001091      VOLUME  481075.108 3624649.105 11.37
LOCATION L0001092      VOLUME  481124.442 3624657.243 16.78

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LOCATION	VOLUME	481173.775	3624665.380	18.98
LOCATION L0001093	VOLUME	481173.775	3624665.380	18.98
LOCATION L0001094	VOLUME	481223.109	3624673.518	14.67
LOCATION L0001095	VOLUME	481272.442	3624681.655	13.32
LOCATION L0001096	VOLUME	481321.553	3624691.024	13.90
LOCATION L0001097	VOLUME	481370.619	3624700.642	11.80
LOCATION L0001098	VOLUME	481419.685	3624710.260	15.57

\*\* End of LINE VOLUME Source ID = SLINE8

\*\* -----  
 \*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = SLINE9  
 \*\* DESCRSRC I-8: Morena to Hotel Circle

\*\* PREFIX  
 \*\* Length of Side = 50.00  
 \*\* Configuration = Adjacent  
 \*\* Emission Rate = 7.982E-07  
 \*\* Vertical Dimension = 50.00  
 \*\* SZINIT = 23.26  
 \*\* Nodes = 5

\*\* 481464.369, 3624719.636, 16.70, 4.27, 23.26  
 \*\* 481727.684, 3624770.509, 10.46, 4.27, 23.26  
 \*\* 481850.537, 3624764.750, 12.08, 4.27, 23.26  
 \*\* 482119.278, 3624717.721, 8.88, 4.27, 23.26  
 \*\* 482476.319, 3624658.031, 18.45, 4.27, 23.26

LOCATION	VOLUME	481488.915	3624724.379	15.67
LOCATION L0001067	VOLUME	481488.915	3624724.379	15.67
LOCATION L0001068	VOLUME	481538.007	3624733.863	10.86
LOCATION L0001069	VOLUME	481587.099	3624743.348	6.29
LOCATION L0001070	VOLUME	481636.192	3624752.832	8.69
LOCATION L0001071	VOLUME	481685.284	3624762.317	11.44
LOCATION L0001072	VOLUME	481734.492	3624770.190	10.78
LOCATION L0001073	VOLUME	481784.437	3624767.849	15.16
LOCATION L0001074	VOLUME	481834.383	3624765.507	12.52
LOCATION L0001075	VOLUME	481883.858	3624758.919	11.73
LOCATION L0001076	VOLUME	481933.110	3624750.300	5.15
LOCATION L0001077	VOLUME	481982.362	3624741.681	7.58
LOCATION L0001078	VOLUME	482031.613	3624733.062	9.79
LOCATION L0001079	VOLUME	482080.865	3624724.443	6.20
LOCATION L0001080	VOLUME	482130.130	3624715.906	9.56
LOCATION L0001081	VOLUME	482179.446	3624707.662	10.29
LOCATION L0001082	VOLUME	482228.761	3624699.417	7.49
LOCATION L0001083	VOLUME	482278.077	3624691.173	7.13
LOCATION L0001084	VOLUME	482327.393	3624682.928	8.90
LOCATION L0001085	VOLUME	482376.708	3624674.684	10.93
LOCATION L0001086	VOLUME	482426.024	3624666.439	14.08
LOCATION L0001087	VOLUME	482475.339	3624658.195	16.70

\*\* End of LINE VOLUME Source ID = SLINE9

\*\* -----  
 \*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = SLINE10  
 \*\* DESCRSRC I-8: Hotel Circle to I-163

\*\* PREFIX  
 \*\* Length of Side = 50.00  
 \*\* Configuration = Adjacent  
 \*\* Emission Rate = 1.81E-06  
 \*\* Vertical Dimension = 50.00  
 \*\* SZINIT = 23.26  
 \*\* Nodes = 8

\*\* 482476.181, 3624658.538, 18.39, 4.27, 23.26  
 \*\* 482823.645, 3624634.289, 18.01, 4.27, 23.26  
 \*\* 483384.063, 3624612.771, 8.59, 4.27, 23.26

\*\* 483527.580, 3624618.879, 9.03, 4.27, 23.26  
 \*\* 483694.989, 3624650.766, 5.62, 4.27, 23.26  
 \*\* 484386.195, 3624832.570, 13.88, 4.27, 23.26  
 \*\* 484551.951, 3624898.839, 11.70, 4.27, 23.26  
 \*\* 484697.877, 3624982.362, 13.92, 4.27, 23.26

\*\* -----

LOCATION	L0001099	VOLUME	482501.120	3624656.798	15.91
LOCATION	L0001100	VOLUME	482550.999	3624653.317	13.63
LOCATION	L0001101	VOLUME	482600.877	3624649.836	7.49
LOCATION	L0001102	VOLUME	482650.756	3624646.355	7.04
LOCATION	L0001103	VOLUME	482700.635	3624642.874	10.94
LOCATION	L0001104	VOLUME	482750.514	3624639.393	16.78
LOCATION	L0001105	VOLUME	482800.392	3624635.912	19.25
LOCATION	L0001106	VOLUME	482850.316	3624633.265	17.88
LOCATION	L0001107	VOLUME	482900.279	3624631.347	16.32
LOCATION	L0001108	VOLUME	482950.242	3624629.428	14.34
LOCATION	L0001109	VOLUME	483000.206	3624627.510	10.15
LOCATION	L0001110	VOLUME	483050.169	3624625.592	10.26
LOCATION	L0001111	VOLUME	483100.132	3624623.673	14.28
LOCATION	L0001112	VOLUME	483150.095	3624621.755	18.27
LOCATION	L0001113	VOLUME	483200.058	3624619.836	17.44
LOCATION	L0001114	VOLUME	483250.021	3624617.918	12.06
LOCATION	L0001115	VOLUME	483299.985	3624616.000	12.00
LOCATION	L0001116	VOLUME	483349.948	3624614.081	10.14
LOCATION	L0001117	VOLUME	483399.908	3624613.446	9.15
LOCATION	L0001118	VOLUME	483449.863	3624615.571	10.48
LOCATION	L0001119	VOLUME	483499.818	3624617.697	10.14
LOCATION	L0001120	VOLUME	483549.400	3624623.035	8.76
LOCATION	L0001121	VOLUME	483598.517	3624632.391	7.78
LOCATION	L0001122	VOLUME	483647.634	3624641.746	6.27
LOCATION	L0001123	VOLUME	483696.724	3624651.222	5.68
LOCATION	L0001124	VOLUME	483745.079	3624663.941	8.80
LOCATION	L0001125	VOLUME	483793.435	3624676.660	9.16
LOCATION	L0001126	VOLUME	483841.790	3624689.378	4.00
LOCATION	L0001127	VOLUME	483890.145	3624702.097	4.67
LOCATION	L0001128	VOLUME	483938.501	3624714.815	9.04
LOCATION	L0001129	VOLUME	483986.856	3624727.534	8.24
LOCATION	L0001130	VOLUME	484035.211	3624740.253	6.16
LOCATION	L0001131	VOLUME	484083.567	3624752.971	6.37
LOCATION	L0001132	VOLUME	484131.922	3624765.690	5.93
LOCATION	L0001133	VOLUME	484180.277	3624778.408	6.49
LOCATION	L0001134	VOLUME	484228.632	3624791.127	10.34
LOCATION	L0001135	VOLUME	484276.988	3624803.846	12.24
LOCATION	L0001136	VOLUME	484325.343	3624816.564	13.08
LOCATION	L0001137	VOLUME	484373.698	3624829.283	13.78
LOCATION	L0001138	VOLUME	484420.624	3624846.334	14.35
LOCATION	L0001139	VOLUME	484467.051	3624864.896	15.73
LOCATION	L0001140	VOLUME	484513.478	3624883.457	13.96
LOCATION	L0001141	VOLUME	484559.386	3624903.094	11.89
LOCATION	L0001142	VOLUME	484602.780	3624927.932	13.40
LOCATION	L0001143	VOLUME	484646.175	3624952.769	12.27
LOCATION	L0001144	VOLUME	484689.569	3624977.607	13.04

\*\* End of LINE VOLUME Source ID = SLINE10  
 \*\* -----  
 \*\* Line Source Represented by Adjacent Volume Sources  
 \*\* LINE VOLUME Source ID = SLINE11  
 \*\* DESCRSRC I-8: SR-163 tp Mission Center  
 \*\* PREFIX  
 \*\* Length of Side = 50.00  
 \*\* Configuration = Adjacent

```

** Emission Rate = 1.826E-06
** Vertical Dimension = 50.00
** SZINIT = 23.26
** Nodes = 2
** 484699.081, 3624982.443, 13.92, 0.00, 23.26
** 485692.987, 3625318.675, 17.78, 0.00, 23.26

```

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-----
LOCATION L0001145      VOLUME  484722.763 3624990.454 14.41
LOCATION L0001146      VOLUME  484770.126 3625006.477 15.00
LOCATION L0001147      VOLUME  484817.489 3625022.499 13.42
LOCATION L0001148      VOLUME  484864.853 3625038.522 12.54
LOCATION L0001149      VOLUME  484912.216 3625054.545 13.78
LOCATION L0001150      VOLUME  484959.579 3625070.567 14.00
LOCATION L0001151      VOLUME  485006.942 3625086.590 15.12
LOCATION L0001152      VOLUME  485054.305 3625102.613 17.78
LOCATION L0001153      VOLUME  485101.669 3625118.635 15.93
LOCATION L0001154      VOLUME  485149.032 3625134.658 15.22
LOCATION L0001155      VOLUME  485196.395 3625150.681 16.14
LOCATION L0001156      VOLUME  485243.758 3625166.704 15.01
LOCATION L0001157      VOLUME  485291.121 3625182.726 16.06
LOCATION L0001158      VOLUME  485338.485 3625198.749 14.15
LOCATION L0001159      VOLUME  485385.848 3625214.772 12.26
LOCATION L0001160      VOLUME  485433.211 3625230.794 15.08
LOCATION L0001161      VOLUME  485480.574 3625246.817 16.38
LOCATION L0001162      VOLUME  485527.938 3625262.840 17.86
LOCATION L0001163      VOLUME  485575.301 3625278.862 18.31
LOCATION L0001164      VOLUME  485622.664 3625294.885 18.07
LOCATION L0001165      VOLUME  485670.027 3625310.908 18.39

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** End of LINE VOLUME Source ID = SLINE11

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-----
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE12
** DESCRSRC I-8: Mission Center to Qualcomm
** PREFIX
** Length of Side = 50.00
** Configuration = Adjacent
** Emission Rate = 2.211E-06
** Vertical Dimension = 50.00
** SZINIT = 23.26
** Nodes = 4
** 485692.404, 3625318.538, 17.74, 4.27, 23.26
** 486226.113, 3625480.884, 15.53, 4.27, 23.26
** 486768.507, 3625743.169, 13.80, 4.27, 23.26
** 486908.562, 3625786.459, 17.84, 4.27, 23.26

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-----
LOCATION L0001166      VOLUME  485716.322 3625325.813 17.53
LOCATION L0001167      VOLUME  485764.158 3625340.364 10.41
LOCATION L0001168      VOLUME  485811.994 3625354.915 8.61
LOCATION L0001169      VOLUME  485859.830 3625369.466 9.12
LOCATION L0001170      VOLUME  485907.666 3625384.017 10.20
LOCATION L0001171      VOLUME  485955.501 3625398.568 13.46
LOCATION L0001172      VOLUME  486003.337 3625413.119 14.09
LOCATION L0001173      VOLUME  486051.173 3625427.670 14.29
LOCATION L0001174      VOLUME  486099.009 3625442.221 15.77
LOCATION L0001175      VOLUME  486146.845 3625456.772 14.77
LOCATION L0001176      VOLUME  486194.681 3625471.323 16.58
LOCATION L0001177      VOLUME  486241.549 3625488.349 14.97
LOCATION L0001178      VOLUME  486286.562 3625510.116 14.74
LOCATION L0001179      VOLUME  486331.575 3625531.883 16.00
LOCATION L0001180      VOLUME  486376.589 3625553.650 15.68

```

LOCATION	VOLUME				
L0001181	486421.602	3625575.417	14.59		
L0001182	486466.615	3625597.184	16.18		
L0001183	486511.628	3625618.951	16.05		
L0001184	486556.642	3625640.718	17.00		
L0001185	486601.655	3625662.485	12.94		
L0001186	486646.668	3625684.252	13.73		
L0001187	486691.682	3625706.019	18.06		
L0001188	486736.695	3625727.786	16.33		
L0001189	486782.517	3625747.499	12.63		
L0001190	486830.287	3625762.265	14.54		
L0001191	486878.057	3625777.030	17.03		

\*\* End of LINE VOLUME Source ID = SLINE12

\*\* -----  
 \*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = SLINE13

\*\* DESCRSRC I-8: Qualcomm to I-805

\*\* PREFIX

\*\* Length of Side = 50.00

\*\* Configuration = Adjacent

\*\* Emission Rate = 1.863E-06

\*\* Vertical Dimension = 50.00

\*\* SZINIT = 23.26

\*\* Nodes = 2

\*\* 486907.569, 3625786.839, 17.82, 4.27, 23.26

\*\* 487643.509, 3625996.798, 28.66, 4.27, 23.26

LOCATION	VOLUME				
L0001192	486931.609	3625793.697	17.90		
L0001193	486979.691	3625807.415	14.28		
L0001194	487027.772	3625821.132	11.27		
L0001195	487075.854	3625834.850	14.82		
L0001196	487123.935	3625848.567	16.01		
L0001197	487172.017	3625862.284	13.50		
L0001198	487220.099	3625876.002	17.42		
L0001199	487268.180	3625889.719	18.01		
L0001200	487316.262	3625903.436	18.34		
L0001201	487364.343	3625917.154	21.67		
L0001202	487412.425	3625930.871	20.92		
L0001203	487460.506	3625944.589	20.00		
L0001204	487508.588	3625958.306	19.11		
L0001205	487556.669	3625972.023	24.09		
L0001206	487604.751	3625985.741	27.23		

\*\* End of LINE VOLUME Source ID = SLINE13

\*\* -----  
 \*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = SLINE14

\*\* DESCRSRC I-8: I-805 to I-15

\*\* PREFIX

\*\* Length of Side = 50.00

\*\* Configuration = Adjacent

\*\* Emission Rate = 2.674E-06

\*\* Vertical Dimension = 50.00

\*\* SZINIT = 23.26

\*\* Nodes = 7

\*\* 487642.116, 3625995.557, 28.98, 4.27, 23.26

\*\* 487928.514, 3626098.959, 11.26, 4.27, 23.26

\*\* 488134.170, 3626222.352, 16.77, 4.27, 23.26

\*\* 488703.242, 3626591.587, 22.72, 4.27, 23.26

\*\* 488889.095, 3626689.114, 19.12, 4.27, 23.26

\*\* 489051.027, 3626735.117, 29.04, 4.27, 23.26

\*\* 489480.422, 3626744.816, 27.27, 4.27, 23.26

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** -----
LOCATION L0001207      VOLUME  487665.630 3626004.047 27.59
LOCATION L0001208      VOLUME  487712.659 3626021.026 23.95
LOCATION L0001209      VOLUME  487759.688 3626038.006 25.65
LOCATION L0001210      VOLUME  487806.717 3626054.985 21.60
LOCATION L0001211      VOLUME  487853.745 3626071.964 16.63
LOCATION L0001212      VOLUME  487900.774 3626088.944 13.18
LOCATION L0001213      VOLUME  487946.099 3626109.510 11.93
LOCATION L0001214      VOLUME  487988.974 3626135.235 12.74
LOCATION L0001215      VOLUME  488031.848 3626160.959 21.76
LOCATION L0001216      VOLUME  488074.723 3626186.684 26.49
LOCATION L0001217      VOLUME  488117.598 3626212.409 20.77
LOCATION L0001218      VOLUME  488159.902 3626239.048 21.90
LOCATION L0001219      VOLUME  488201.846 3626266.263 28.74
LOCATION L0001220      VOLUME  488243.790 3626293.478 28.07
LOCATION L0001221      VOLUME  488285.735 3626320.693 22.71
LOCATION L0001222      VOLUME  488327.679 3626347.908 24.11
LOCATION L0001223      VOLUME  488369.624 3626375.123 23.01
LOCATION L0001224      VOLUME  488411.568 3626402.339 22.68
LOCATION L0001225      VOLUME  488453.513 3626429.554 20.30
LOCATION L0001226      VOLUME  488495.457 3626456.769 19.56
LOCATION L0001227      VOLUME  488537.402 3626483.984 25.39
LOCATION L0001228      VOLUME  488579.346 3626511.199 32.76
LOCATION L0001229      VOLUME  488621.291 3626538.414 31.63
LOCATION L0001230      VOLUME  488663.235 3626565.629 28.29
LOCATION L0001231      VOLUME  488705.287 3626592.660 24.50
LOCATION L0001232      VOLUME  488749.562 3626615.893 24.47
LOCATION L0001233      VOLUME  488793.836 3626639.126 27.81
LOCATION L0001234      VOLUME  488838.111 3626662.360 24.80
LOCATION L0001235      VOLUME  488882.385 3626685.593 22.44
LOCATION L0001236      VOLUME  488929.902 3626700.707 23.05
LOCATION L0001237      VOLUME  488977.999 3626714.371 27.92
LOCATION L0001238      VOLUME  489026.096 3626728.035 29.98
LOCATION L0001239      VOLUME  489075.103 3626735.661 26.74
LOCATION L0001240      VOLUME  489125.091 3626736.790 25.76
LOCATION L0001241      VOLUME  489175.078 3626737.919 31.31
LOCATION L0001242      VOLUME  489225.065 3626739.048 35.29
LOCATION L0001243      VOLUME  489275.052 3626740.177 30.48
LOCATION L0001244      VOLUME  489325.040 3626741.306 26.65
LOCATION L0001245      VOLUME  489375.027 3626742.435 29.16
LOCATION L0001246      VOLUME  489425.014 3626743.564 27.51
LOCATION L0001247      VOLUME  489475.001 3626744.693 27.43

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** End of LINE VOLUME Source ID = SLINE14

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** -----
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE15
** DESCRSRC I-8: I-15 to Mission Gorge
** PREFIX
** Length of Side = 50.00
** Configuration = Adjacent
** Emission Rate = 2.674E-06
** Vertical Dimension = 50.00
** SZINIT = 23.26
** Nodes = 3
** 489478.941, 3626746.434, 27.03, 4.27, 23.26
** 490197.806, 3626766.723, 26.50, 4.27, 23.26
** 490521.329, 3626804.052, 24.94, 4.27, 23.26

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** -----
LOCATION L0001248      VOLUME  489503.931 3626747.139 29.37
LOCATION L0001249      VOLUME  489553.911 3626748.550 30.11

```

LOCATION	VOLUME	VOLUME	VOLUME	VOLUME
L0001250	489603.891	3626749.960	23.58	
L0001251	489653.871	3626751.371	23.57	
L0001252	489703.851	3626752.782	24.70	
L0001253	489753.831	3626754.192	27.32	
L0001254	489803.812	3626755.603	27.47	
L0001255	489853.792	3626757.013	24.97	
L0001256	489903.772	3626758.424	22.58	
L0001257	489953.752	3626759.835	28.97	
L0001258	490003.732	3626761.245	31.40	
L0001259	490053.712	3626762.656	32.04	
L0001260	490103.692	3626764.066	27.59	
L0001261	490153.672	3626765.477	28.07	
L0001262	490203.616	3626767.393	26.97	
L0001263	490253.287	3626773.124	25.69	
L0001264	490302.957	3626778.855	26.22	
L0001265	490352.627	3626784.587	28.91	
L0001266	490402.298	3626790.318	25.80	
L0001267	490451.968	3626796.049	25.45	
L0001268	490501.639	3626801.780	26.34	

\*\* End of LINE VOLUME Source ID = SLINE15

-----

\*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = SLINE16

\*\* DESCRSRC I-8: Mission Gorge to Warring

\*\* PREFIX

\*\* Length of Side = 50.00

\*\* Configuration = Adjacent

\*\* Emission Rate = 2.674E-06

\*\* Vertical Dimension = 50.00

\*\* SZINIT = 23.26

\*\* Nodes = 4

\*\* 490518.596, 3626804.012, 24.94, 4.27, 23.26

\*\* 491220.305, 3626949.054, 37.04, 4.27, 23.26

\*\* 491642.558, 3626988.031, 36.49, 4.27, 23.26

\*\* 491783.310, 3626996.692, 33.17, 4.27, 23.26

-----

L0001269	490543.079	3626809.072	25.36	
L0001270	490592.044	3626819.193	28.37	
L0001271	490641.009	3626829.314	33.12	
L0001272	490689.973	3626839.435	35.02	
L0001273	490738.938	3626849.556	37.05	
L0001274	490787.903	3626859.677	37.36	
L0001275	490836.868	3626869.798	36.91	
L0001276	490885.833	3626879.919	38.74	
L0001277	490934.798	3626890.040	36.36	
L0001278	490983.763	3626900.161	39.30	
L0001279	491032.728	3626910.282	42.99	
L0001280	491081.693	3626920.403	44.74	
L0001281	491130.658	3626930.524	45.15	
L0001282	491179.623	3626940.645	44.48	
L0001283	491228.727	3626949.831	39.50	
L0001284	491278.516	3626954.427	34.61	
L0001285	491328.304	3626959.023	39.33	
L0001286	491378.092	3626963.619	38.54	
L0001287	491427.881	3626968.214	36.48	
L0001288	491477.669	3626972.810	33.06	
L0001289	491527.457	3626977.406	36.82	
L0001290	491577.246	3626982.002	37.42	
L0001291	491627.034	3626986.598	36.59	
L0001292	491676.903	3626990.144	37.64	



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LOCATION L0001293      VOLUME  491726.809 3626993.215 36.93
LOCATION L0001294      VOLUME  491776.714 3626996.287 34.63
** End of LINE VOLUME Source ID = SLINE16
** -----
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE17
** DESCRSRC I-8: Warring to College
** PREFIX
** Length of Side = 50.00
** Configuration = Adjacent
** Emission Rate = 2.674E-06
** Vertical Dimension = 50.00
** SZINIT = 23.26
** Nodes = 5
** 491780.925, 3626996.848, 33.08, 4.27, 23.26
** 492029.258, 3626997.379, 42.60, 4.27, 23.26
** 492870.542, 3626845.394, 72.52, 4.27, 23.26
** 493149.913, 3626819.406, 80.92, 4.27, 23.26
** 493781.828, 3626830.116, 108.41, 4.27, 23.26
** -----
LOCATION L0001295      VOLUME  491805.925 3626996.901 38.28
LOCATION L0001296      VOLUME  491855.925 3626997.008 44.65
LOCATION L0001297      VOLUME  491905.925 3626997.115 41.88
LOCATION L0001298      VOLUME  491955.925 3626997.222 39.53
LOCATION L0001299      VOLUME  492005.925 3626997.329 40.39
LOCATION L0001300      VOLUME  492055.500 3626992.638 44.21
LOCATION L0001301      VOLUME  492104.703 3626983.749 40.79
LOCATION L0001302      VOLUME  492153.907 3626974.860 40.03
LOCATION L0001303      VOLUME  492203.111 3626965.971 46.95
LOCATION L0001304      VOLUME  492252.314 3626957.082 52.30
LOCATION L0001305      VOLUME  492301.518 3626948.193 56.16
LOCATION L0001306      VOLUME  492350.721 3626939.304 53.57
LOCATION L0001307      VOLUME  492399.925 3626930.415 56.32
LOCATION L0001308      VOLUME  492449.128 3626921.526 56.87
LOCATION L0001309      VOLUME  492498.332 3626912.637 55.90
LOCATION L0001310      VOLUME  492547.535 3626903.748 59.01
LOCATION L0001311      VOLUME  492596.739 3626894.859 64.37
LOCATION L0001312      VOLUME  492645.942 3626885.970 67.49
LOCATION L0001313      VOLUME  492695.146 3626877.081 66.85
LOCATION L0001314      VOLUME  492744.349 3626868.192 70.07
LOCATION L0001315      VOLUME  492793.553 3626859.303 67.83
LOCATION L0001316      VOLUME  492842.756 3626850.414 70.02
LOCATION L0001317      VOLUME  492892.213 3626843.378 70.57
LOCATION L0001318      VOLUME  492941.998 3626838.747 71.80
LOCATION L0001319      VOLUME  492991.783 3626834.116 74.12
LOCATION L0001320      VOLUME  493041.568 3626829.484 76.72
LOCATION L0001321      VOLUME  493091.353 3626824.853 79.78
LOCATION L0001322      VOLUME  493141.138 3626820.222 82.91
LOCATION L0001323      VOLUME  493191.094 3626820.104 81.98
LOCATION L0001324      VOLUME  493241.087 3626820.951 83.78
LOCATION L0001325      VOLUME  493291.080 3626821.798 91.34
LOCATION L0001326      VOLUME  493341.073 3626822.646 89.93
LOCATION L0001327      VOLUME  493391.066 3626823.493 92.16
LOCATION L0001328      VOLUME  493441.058 3626824.340 94.46
LOCATION L0001329      VOLUME  493491.051 3626825.188 95.72
LOCATION L0001330      VOLUME  493541.044 3626826.035 98.15
LOCATION L0001331      VOLUME  493591.037 3626826.882 98.25
LOCATION L0001332      VOLUME  493641.030 3626827.730 99.65
LOCATION L0001333      VOLUME  493691.022 3626828.577 102.33
LOCATION L0001334      VOLUME  493741.015 3626829.424 106.98

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** End of LINE VOLUME Source ID = SLINE17
** -----
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE18
** DESCRSRC I-805: SR-94 to Home
** PREFIX
** Length of Side = 50.00
** Configuration = Adjacent
** Emission Rate = 4.875E-06
** Vertical Dimension = 50.00
** SZINIT = 23.26
** Nodes = 4
** 490369.346, 3620151.113, 43.28, 4.27, 23.26
** 490391.005, 3620512.819, 44.30, 4.27, 23.26
** 490373.678, 3620703.419, 44.28, 4.27, 23.26
** 490321.696, 3620870.194, 43.19, 4.27, 23.26
** -----
LOCATION L0001335      VOLUME  490370.841 3620176.068 42.99
LOCATION L0001336      VOLUME  490373.829 3620225.979 37.56
LOCATION L0001337      VOLUME  490376.818 3620275.889 38.39
LOCATION L0001338      VOLUME  490379.807 3620325.800 43.00
LOCATION L0001339      VOLUME  490382.795 3620375.710 45.17
LOCATION L0001340      VOLUME  490385.784 3620425.621 45.12
LOCATION L0001341      VOLUME  490388.773 3620475.532 47.00
LOCATION L0001342      VOLUME  490389.860 3620525.413 44.00
LOCATION L0001343      VOLUME  490385.334 3620575.207 47.81
LOCATION L0001344      VOLUME  490380.807 3620625.002 44.15
LOCATION L0001345      VOLUME  490376.280 3620674.797 43.39
LOCATION L0001346      VOLUME  490367.352 3620723.716 44.75
LOCATION L0001347      VOLUME  490352.473 3620771.451 44.85
LOCATION L0001348      VOLUME  490337.595 3620819.186 41.78
LOCATION L0001349      VOLUME  490322.716 3620866.921 43.31
** End of LINE VOLUME Source ID = SLINE18
** -----
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE19
** DESCRSRC I-805: Home to I-15
** PREFIX
** Length of Side = 50.00
** Configuration = Adjacent
** Emission Rate = 4.875E-06
** Vertical Dimension = 50.00
** SZINIT = 23.26
** Nodes = 6
** 490321.531, 3620867.988, 43.13, 4.27, 23.26
** 490242.356, 3621032.562, 50.79, 4.27, 23.26
** 490112.397, 3621188.513, 61.63, 4.27, 23.26
** 490023.591, 3621279.485, 63.40, 4.27, 23.26
** 489603.509, 3621541.945, 64.82, 4.27, 23.26
** 489543.177, 3621598.901, 64.21, 4.27, 23.26
** -----
LOCATION L0001350      VOLUME  490310.693 3620890.516 43.62
LOCATION L0001351      VOLUME  490289.016 3620935.573 42.00
LOCATION L0001352      VOLUME  490267.340 3620980.630 49.23
LOCATION L0001353      VOLUME  490245.664 3621025.687 52.10
LOCATION L0001354      VOLUME  490215.231 3621065.112 52.70
LOCATION L0001355      VOLUME  490183.222 3621103.523 55.84
LOCATION L0001356      VOLUME  490151.213 3621141.934 59.84
LOCATION L0001357      VOLUME  490119.203 3621180.346 61.32
LOCATION L0001358      VOLUME  490084.897 3621216.684 63.34

```

LOCATION	VOLUME				
L0001359	490049.970	3621252.463	65.41		
L0001360	490013.213	3621285.969	65.16		
L0001361	489970.809	3621312.462	70.48		
L0001362	489928.405	3621338.956	73.37		
L0001363	489886.001	3621365.449	75.63		
L0001364	489843.597	3621391.942	71.49		
L0001365	489801.193	3621418.436	69.28		
L0001366	489758.789	3621444.929	73.10		
L0001367	489716.385	3621471.422	74.97		
L0001368	489673.981	3621497.915	72.42		
L0001369	489631.577	3621524.409	66.63		
L0001370	489591.217	3621553.549	63.71		
L0001371	489554.859	3621587.873	62.98		

```

** End of LINE VOLUME Source ID = SLINE19
** -----
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE20
** DESCRSRC I-805: I-15 to University
** PREFIX
** Length of Side = 50.00
** Configuration = Adjacent
** Emission Rate = 4.875E-06
** Vertical Dimension = 50.00
** SZINIT = 23.26
** Nodes = 6
** 489549.142, 3621593.727, 63.37, 4.27, 23.26
** 489426.864, 3621735.144, 64.05, 4.27, 23.26
** 489229.849, 3622313.300, 70.99, 4.27, 23.26
** 489104.851, 3622570.533, 75.72, 4.27, 23.26
** 488973.169, 3622790.643, 81.50, 4.27, 23.26
** 488528.909, 3623431.254, 98.95, 4.27, 23.26

```

LOCATION	VOLUME				
L0001372	489532.790	3621612.638	63.82		
L0001373	489500.087	3621650.460	63.54		
L0001374	489467.384	3621688.282	64.42		
L0001375	489434.681	3621726.104	64.49		
L0001376	489414.591	3621771.159	61.94		
L0001377	489398.464	3621818.487	61.12		
L0001378	489382.336	3621865.814	64.55		
L0001379	489366.209	3621913.142	64.57		
L0001380	489350.081	3621960.470	61.31		
L0001381	489333.953	3622007.797	60.87		
L0001382	489317.826	3622055.125	63.39		
L0001383	489301.698	3622102.452	65.17		
L0001384	489285.571	3622149.780	67.29		
L0001385	489269.443	3622197.108	71.72		
L0001386	489253.316	3622244.435	70.25		
L0001387	489237.188	3622291.763	69.11		
L0001388	489217.940	3622337.807	70.30		
L0001389	489196.087	3622382.778	70.65		
L0001390	489174.234	3622427.750	73.78		
L0001391	489152.381	3622472.721	70.26		
L0001392	489130.528	3622517.693	76.33		
L0001393	489108.674	3622562.664	75.77		
L0001394	489083.672	3622605.933	77.46		
L0001395	489058.003	3622648.841	78.91		
L0001396	489032.333	3622691.748	80.03		
L0001397	489006.663	3622734.656	79.85		
L0001398	488980.994	3622777.564	81.42		
L0001399	488953.361	3622819.205	82.10		

LOCATION L0001400	VOLUME	488924.868	3622860.292	82.00
LOCATION L0001401	VOLUME	488896.374	3622901.379	83.63
LOCATION L0001402	VOLUME	488867.881	3622942.466	85.20
LOCATION L0001403	VOLUME	488839.387	3622983.553	86.35
LOCATION L0001404	VOLUME	488810.894	3623024.639	87.76
LOCATION L0001405	VOLUME	488782.400	3623065.726	88.08
LOCATION L0001406	VOLUME	488753.907	3623106.813	89.13
LOCATION L0001407	VOLUME	488725.414	3623147.900	91.78
LOCATION L0001408	VOLUME	488696.920	3623188.987	91.14
LOCATION L0001409	VOLUME	488668.427	3623230.073	91.46
LOCATION L0001410	VOLUME	488639.933	3623271.160	92.30
LOCATION L0001411	VOLUME	488611.440	3623312.247	93.05
LOCATION L0001412	VOLUME	488582.946	3623353.334	96.43
LOCATION L0001413	VOLUME	488554.453	3623394.420	97.12

\*\* End of LINE VOLUME Source ID = SLINE20

-----

\*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = SLINE21

\*\* DESCRSRC I-805: University El Cajon

\*\* PREFIX

\*\* Length of Side = 50.00

\*\* Configuration = Adjacent

\*\* Emission Rate = 5.052E-06

\*\* Vertical Dimension = 50.00

\*\* SZINIT = 23.26

\*\* Nodes = 3

\*\* 488529.576, 3623430.579, 98.94, 4.27, 23.26

\*\* 488473.698, 3623546.327, 100.00, 4.27, 23.26

\*\* 488294.927, 3624166.258, 116.91, 4.27, 23.26

-----

LOCATION L0001414	VOLUME	488518.708	3623453.092	99.68
LOCATION L0001415	VOLUME	488496.970	3623498.120	97.01
LOCATION L0001416	VOLUME	488475.233	3623543.148	99.77
LOCATION L0001417	VOLUME	488460.822	3623590.977	101.69
LOCATION L0001418	VOLUME	488446.968	3623639.019	107.19
LOCATION L0001419	VOLUME	488433.114	3623687.062	106.82
LOCATION L0001420	VOLUME	488419.260	3623735.104	104.58
LOCATION L0001421	VOLUME	488405.405	3623783.146	102.73
LOCATION L0001422	VOLUME	488391.551	3623831.189	106.73
LOCATION L0001423	VOLUME	488377.697	3623879.231	108.49
LOCATION L0001424	VOLUME	488363.843	3623927.273	110.18
LOCATION L0001425	VOLUME	488349.989	3623975.316	114.55
LOCATION L0001426	VOLUME	488336.135	3624023.358	112.54
LOCATION L0001427	VOLUME	488322.281	3624071.400	112.97
LOCATION L0001428	VOLUME	488308.427	3624119.443	115.96

\*\* End of LINE VOLUME Source ID = SLINE21

-----

\*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = SLINE22

\*\* DESCRSRC I-805: El Cajon to Adams

\*\* PREFIX

\*\* Length of Side = 50.00

\*\* Configuration = Adjacent

\*\* Emission Rate = 5.169E-06

\*\* Vertical Dimension = 50.00

\*\* SZINIT = 23.26

\*\* Nodes = 2

\*\* 488294.544, 3624164.417, 116.93, 4.27, 23.26

\*\* 488062.027, 3625035.089, 115.65, 4.27, 23.26

-----

LOCATION	VOLUME				
L0001429	488288.094	3624188.571	114.71		
L0001430	488275.193	3624236.878	113.41		
L0001431	488262.293	3624285.185	115.59		
L0001432	488249.392	3624333.492	115.16		
L0001433	488236.491	3624381.799	116.90		
L0001434	488223.591	3624430.106	115.73		
L0001435	488210.690	3624478.413	113.31		
L0001436	488197.789	3624526.721	116.83		
L0001437	488184.889	3624575.028	117.52		
L0001438	488171.988	3624623.335	115.38		
L0001439	488159.087	3624671.642	117.41		
L0001440	488146.187	3624719.949	118.54		
L0001441	488133.286	3624768.256	115.89		
L0001442	488120.385	3624816.563	114.53		
L0001443	488107.485	3624864.870	112.96		
L0001444	488094.584	3624913.177	114.05		
L0001445	488081.683	3624961.484	112.88		
L0001446	488068.783	3625009.791	114.58		

\*\* End of LINE VOLUME Source ID = SLINE22

-----

\*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = SLINE23

\*\* DESCRSRC I-805: Adams to I-8

\*\* PREFIX

\*\* Length of Side = 50.00

\*\* Configuration = Adjacent

\*\* Emission Rate = 5.698E-06

\*\* Vertical Dimension = 50.00

\*\* SZINIT = 23.26

\*\* Nodes = 4

\*\* 488062.506, 3625033.911, 115.71, 4.27, 23.26

\*\* 487957.647, 3625390.720, 89.23, 4.27, 23.26

\*\* 487779.982, 3625765.550, 48.21, 4.27, 23.26

\*\* 487652.801, 3626000.464, 27.84, 4.27, 23.26

-----

LOCATION	VOLUME				
L0001447	488055.457	3625057.897	111.88		
L0001448	488041.359	3625105.868	104.58		
L0001449	488027.261	3625153.840	100.65		
L0001450	488013.164	3625201.811	97.84		
L0001451	487999.066	3625249.782	96.65		
L0001452	487984.968	3625297.754	94.01		
L0001453	487970.870	3625345.725	93.02		
L0001454	487956.319	3625393.523	90.59		
L0001455	487934.903	3625438.705	82.18		
L0001456	487913.487	3625483.887	74.90		
L0001457	487892.072	3625529.068	74.27		
L0001458	487870.656	3625574.250	71.08		
L0001459	487849.241	3625619.431	73.67		
L0001460	487827.825	3625664.613	64.31		
L0001461	487806.410	3625709.794	55.05		
L0001462	487784.994	3625754.976	50.50		
L0001463	487761.748	3625799.229	44.13		
L0001464	487737.944	3625843.199	28.86		
L0001465	487714.139	3625887.168	28.49		
L0001466	487690.334	3625931.138	30.56		
L0001467	487666.529	3625975.108	29.70		

\*\* End of LINE VOLUME Source ID = SLINE23

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\*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = SLINE24

```

** DESCRSRC I-15: SR-94 to I-805
** PREFIX
** Length of Side = 50.00
** Configuration = Adjacent
** Emission Rate = 2.072E-06
** Vertical Dimension = 50.00
** SZINIT = 23.26
** Nodes = 6
** 488951.508, 3619912.579, 22.68, 4.27, 23.26
** 488973.294, 3620184.911, 23.92, 4.27, 23.26
** 489009.605, 3620326.523, 30.05, 4.27, 23.26
** 489412.657, 3621016.432, 47.39, 4.27, 23.26
** 489518.197, 3621273.636, 52.70, 4.27, 23.26
** 489533.629, 3621622.409, 63.84, 4.27, 23.26

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** -----
LOCATION L0001468      VOLUME  488953.501 3619937.499 22.77
LOCATION L0001469      VOLUME  488957.489 3619987.340 21.13
LOCATION L0001470      VOLUME  488961.476 3620037.180 20.24
LOCATION L0001471      VOLUME  488965.463 3620087.021 21.55
LOCATION L0001472      VOLUME  488969.451 3620136.862 23.15
LOCATION L0001473      VOLUME  488973.741 3620186.652 25.79
LOCATION L0001474      VOLUME  488986.160 3620235.085 29.43
LOCATION L0001475      VOLUME  488998.578 3620283.519 29.59
LOCATION L0001476      VOLUME  489012.432 3620331.362 29.01
LOCATION L0001477      VOLUME  489037.654 3620374.535 29.38
LOCATION L0001478      VOLUME  489062.876 3620417.707 32.42
LOCATION L0001479      VOLUME  489088.098 3620460.879 32.66
LOCATION L0001480      VOLUME  489113.319 3620504.052 33.16
LOCATION L0001481      VOLUME  489138.541 3620547.224 34.29
LOCATION L0001482      VOLUME  489163.763 3620590.397 35.76
LOCATION L0001483      VOLUME  489188.985 3620633.569 35.94
LOCATION L0001484      VOLUME  489214.207 3620676.742 35.53
LOCATION L0001485      VOLUME  489239.428 3620719.914 37.94
LOCATION L0001486      VOLUME  489264.650 3620763.087 44.01
LOCATION L0001487      VOLUME  489289.872 3620806.259 41.94
LOCATION L0001488      VOLUME  489315.094 3620849.432 40.57
LOCATION L0001489      VOLUME  489340.316 3620892.604 42.92
LOCATION L0001490      VOLUME  489365.537 3620935.776 43.38
LOCATION L0001491      VOLUME  489390.759 3620978.949 41.94
LOCATION L0001492      VOLUME  489415.159 3621022.528 48.35
LOCATION L0001493      VOLUME  489434.139 3621068.785 48.32
LOCATION L0001494      VOLUME  489453.120 3621115.042 47.03
LOCATION L0001495      VOLUME  489472.101 3621161.299 50.85
LOCATION L0001496      VOLUME  489491.082 3621207.557 51.06
LOCATION L0001497      VOLUME  489510.063 3621253.814 52.55
LOCATION L0001498      VOLUME  489519.460 3621302.182 55.75
LOCATION L0001499      VOLUME  489521.670 3621352.133 54.13
LOCATION L0001500      VOLUME  489523.880 3621402.084 56.91
LOCATION L0001501      VOLUME  489526.090 3621452.035 55.11
LOCATION L0001502      VOLUME  489528.301 3621501.986 56.30
LOCATION L0001503      VOLUME  489530.511 3621551.938 59.02
LOCATION L0001504      VOLUME  489532.721 3621601.889 64.18

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```

** End of LINE VOLUME Source ID = SLINE24
** -----
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE25
** DESCRSRC I-15: I-805 to University
** PREFIX
** Length of Side = 50.00
** Configuration = Adjacent

```

```

** Emission Rate = 2.072E-06
** Vertical Dimension = 50.00
** SZINIT = 23.26
** Nodes = 11
** 489533.528, 3621621.909, 63.89, 4.27, 23.26
** 489521.608, 3621721.880, 63.20, 4.27, 23.26
** 489468.827, 3621914.464, 64.49, 4.27, 23.26
** 489370.254, 3622208.288, 69.69, 4.27, 23.26
** 489363.529, 3622389.707, 78.80, 4.27, 23.26
** 489448.277, 3622630.570, 81.00, 4.27, 23.26
** 489640.075, 3622882.584, 86.49, 4.27, 23.26
** 489726.500, 3622984.540, 93.19, 4.27, 23.26
** 489775.566, 3623102.744, 95.58, 4.27, 23.26
** 489809.020, 3623243.251, 95.95, 4.27, 23.26
** 489811.250, 3623542.106, 109.59, 4.27, 23.26

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** -----
LOCATION L0001505      VOLUME  489530.568 3621646.733 62.37
LOCATION L0001506      VOLUME  489524.648 3621696.382 61.72
LOCATION L0001507      VOLUME  489515.179 3621745.336 64.52
LOCATION L0001508      VOLUME  489501.963 3621793.558 65.61
LOCATION L0001509      VOLUME  489488.747 3621841.780 63.60
LOCATION L0001510      VOLUME  489475.531 3621890.001 62.85
LOCATION L0001511      VOLUME  489460.992 3621937.820 67.55
LOCATION L0001512      VOLUME  489445.088 3621985.224 68.05
LOCATION L0001513      VOLUME  489429.185 3622032.627 68.79
LOCATION L0001514      VOLUME  489413.282 3622080.031 69.11
LOCATION L0001515      VOLUME  489397.379 3622127.434 70.04
LOCATION L0001516      VOLUME  489381.476 3622174.838 69.47
LOCATION L0001517      VOLUME  489369.709 3622222.995 69.72
LOCATION L0001518      VOLUME  489367.856 3622272.961 71.44
LOCATION L0001519      VOLUME  489366.004 3622322.927 76.40
LOCATION L0001520      VOLUME  489364.152 3622372.892 78.35
LOCATION L0001521      VOLUME  489374.539 3622421.000 78.90
LOCATION L0001522      VOLUME  489391.135 3622468.166 74.34
LOCATION L0001523      VOLUME  489407.730 3622515.331 77.91
LOCATION L0001524      VOLUME  489424.325 3622562.497 77.66
LOCATION L0001525      VOLUME  489440.921 3622609.663 81.09
LOCATION L0001526      VOLUME  489465.135 3622652.721 80.54
LOCATION L0001527      VOLUME  489495.416 3622692.509 80.34
LOCATION L0001528      VOLUME  489525.697 3622732.296 84.38
LOCATION L0001529      VOLUME  489555.978 3622772.084 83.32
LOCATION L0001530      VOLUME  489586.259 3622811.872 81.59
LOCATION L0001531      VOLUME  489616.540 3622851.660 84.46
LOCATION L0001532      VOLUME  489647.277 3622891.080 87.14
LOCATION L0001533      VOLUME  489679.608 3622929.221 86.96
LOCATION L0001534      VOLUME  489711.939 3622967.362 91.35
LOCATION L0001535      VOLUME  489737.035 3623009.921 95.14
LOCATION L0001536      VOLUME  489756.204 3623056.101 95.88
LOCATION L0001537      VOLUME  489775.373 3623102.280 96.09
LOCATION L0001538      VOLUME  489787.030 3623150.896 95.00
LOCATION L0001539      VOLUME  489798.611 3623199.536 95.70
LOCATION L0001540      VOLUME  489809.057 3623248.314 96.06
LOCATION L0001541      VOLUME  489809.431 3623298.313 102.32
LOCATION L0001542      VOLUME  489809.804 3623348.311 107.72
LOCATION L0001543      VOLUME  489810.177 3623398.310 106.05
LOCATION L0001544      VOLUME  489810.550 3623448.309 103.03
LOCATION L0001545      VOLUME  489810.923 3623498.307 105.24

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** End of LINE VOLUME Source ID = SLINE25

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** -----
** Line Source Represented by Adjacent Volume Sources

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** LINE VOLUME Source ID = SLINE26
** DESCRSRC I-15: University to El Cajon
** PREFIX
** Length of Side = 50.00
** Configuration = Adjacent
** Emission Rate = 2.072E-06
** Vertical Dimension = 50.00
** SZINIT = 23.26
** Nodes = 2
** 489810.367, 3623540.334, 109.23, 4.27, 23.26
** 489810.626, 3624147.454, 111.40, 4.27, 23.26
** -----
LOCATION L0001546      VOLUME  489810.378 3623565.334 110.00
LOCATION L0001547      VOLUME  489810.399 3623615.334 109.19
LOCATION L0001548      VOLUME  489810.421 3623665.334 108.32
LOCATION L0001549      VOLUME  489810.442 3623715.334 103.53
LOCATION L0001550      VOLUME  489810.463 3623765.334 108.93
LOCATION L0001551      VOLUME  489810.485 3623815.334 111.34
LOCATION L0001552      VOLUME  489810.506 3623865.334 109.05
LOCATION L0001553      VOLUME  489810.527 3623915.334 112.16
LOCATION L0001554      VOLUME  489810.548 3623965.334 113.00
LOCATION L0001555      VOLUME  489810.570 3624015.334 113.53
LOCATION L0001556      VOLUME  489810.591 3624065.334 115.45
LOCATION L0001557      VOLUME  489810.612 3624115.334 112.18
** End of LINE VOLUME Source ID = SLINE26
** -----
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE27
** DESCRSRC I-15: El Cajon to Adams
** PREFIX
** Length of Side = 50.00
** Configuration = Adjacent
** Emission Rate = 2.072E-06
** Vertical Dimension = 50.00
** SZINIT = 23.26
** Nodes = 3
** 489809.639, 3624150.721, 111.40, 4.27, 23.26
** 489788.812, 3624791.606, 111.07, 4.27, 23.26
** 489773.199, 3625045.885, 109.07, 4.27, 23.26
** -----
LOCATION L0001558      VOLUME  489808.827 3624175.708 111.04
LOCATION L0001559      VOLUME  489807.203 3624225.682 109.66
LOCATION L0001560      VOLUME  489805.579 3624275.656 107.29
LOCATION L0001561      VOLUME  489803.955 3624325.629 108.94
LOCATION L0001562      VOLUME  489802.331 3624375.603 109.38
LOCATION L0001563      VOLUME  489800.707 3624425.576 107.94
LOCATION L0001564      VOLUME  489799.083 3624475.550 109.03
LOCATION L0001565      VOLUME  489797.459 3624525.524 112.02
LOCATION L0001566      VOLUME  489795.835 3624575.497 112.12
LOCATION L0001567      VOLUME  489794.211 3624625.471 109.99
LOCATION L0001568      VOLUME  489792.587 3624675.445 110.50
LOCATION L0001569      VOLUME  489790.963 3624725.418 109.63
LOCATION L0001570      VOLUME  489789.339 3624775.392 110.80
LOCATION L0001571      VOLUME  489786.742 3624825.320 110.26
LOCATION L0001572      VOLUME  489783.678 3624875.226 108.62
LOCATION L0001573      VOLUME  489780.613 3624925.132 109.68
LOCATION L0001574      VOLUME  489777.549 3624975.038 108.62
LOCATION L0001575      VOLUME  489774.484 3625024.944 109.18
** End of LINE VOLUME Source ID = SLINE27
** -----

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** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE28
** DESCRSRC I-15: Adams to I-8
** PREFIX
** Length of Side = 50.00
** Configuration = Adjacent
** Emission Rate = 2.072E-06
** Vertical Dimension = 50.00
** SZINIT = 23.26
** Nodes = 10
** 489772.264, 3625043.674, 109.10, 4.27, 23.26
** 489745.343, 3625195.105, 106.92, 4.27, 23.26
** 489685.612, 3625343.170, 97.68, 4.27, 23.26
** 489527.307, 3625626.299, 88.16, 4.27, 23.26
** 489476.963, 3625773.851, 90.59, 4.27, 23.26
** 489450.071, 3625940.970, 83.95, 4.27, 23.26
** 489456.764, 3626128.353, 70.65, 4.27, 23.26
** 489525.206, 3626348.087, 53.28, 4.27, 23.26
** 489549.745, 3626488.628, 46.33, 4.27, 23.26
** 489471.667, 3626751.864, 25.65, 4.27, 23.26

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** -----
LOCATION L0001576      VOLUME  489767.888 3625068.288 108.79
LOCATION L0001577      VOLUME  489759.136 3625117.516 108.27
LOCATION L0001578      VOLUME  489750.385 3625166.744 108.21
LOCATION L0001579      VOLUME  489737.413 3625214.760 105.51
LOCATION L0001580      VOLUME  489718.708 3625261.130 101.97
LOCATION L0001581      VOLUME  489700.002 3625307.499  99.03
LOCATION L0001582      VOLUME  489679.982 3625353.239  97.44
LOCATION L0001583      VOLUME  489655.581 3625396.880  97.42
LOCATION L0001584      VOLUME  489631.180 3625440.522  98.02
LOCATION L0001585      VOLUME  489606.779 3625484.163  91.59
LOCATION L0001586      VOLUME  489582.378 3625527.805  90.24
LOCATION L0001587      VOLUME  489557.976 3625571.446  86.55
LOCATION L0001588      VOLUME  489533.575 3625615.088  89.92
LOCATION L0001589      VOLUME  489515.309 3625661.464  87.23
LOCATION L0001590      VOLUME  489499.163 3625708.785  89.08
LOCATION L0001591      VOLUME  489483.017 3625756.106  89.07
LOCATION L0001592      VOLUME  489471.998 3625804.705  89.71
LOCATION L0001593      VOLUME  489464.055 3625854.070  83.93
LOCATION L0001594      VOLUME  489456.111 3625903.435  84.15
LOCATION L0001595      VOLUME  489450.499 3625952.945  83.71
LOCATION L0001596      VOLUME  489452.284 3626002.913  76.69
LOCATION L0001597      VOLUME  489454.068 3626052.881  75.35
LOCATION L0001598      VOLUME  489455.853 3626102.849  74.97
LOCATION L0001599      VOLUME  489464.044 3626151.725  69.55
LOCATION L0001600      VOLUME  489478.913 3626199.463  64.03
LOCATION L0001601      VOLUME  489493.782 3626247.201  61.55
LOCATION L0001602      VOLUME  489508.652 3626294.939  57.62
LOCATION L0001603      VOLUME  489523.521 3626342.677  52.92
LOCATION L0001604      VOLUME  489532.832 3626391.760  54.99
LOCATION L0001605      VOLUME  489541.432 3626441.014  51.50
LOCATION L0001606      VOLUME  489549.272 3626490.225  45.68
LOCATION L0001607      VOLUME  489535.053 3626538.161  41.61
LOCATION L0001608      VOLUME  489520.835 3626586.097  38.36
LOCATION L0001609      VOLUME  489506.617 3626634.033  31.77
LOCATION L0001610      VOLUME  489492.399 3626681.969  30.47
LOCATION L0001611      VOLUME  489478.180 3626729.904  27.95

```

```

** End of LINE VOLUME Source ID = SLINE28

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** -----
** Line Source Represented by Adjacent Volume Sources

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** LINE VOLUME Source ID = SLINE29
** DESCRSRC SR-94: I-5 to 28th
** PREFIX
** Length of Side = 50.00
** Configuration = Adjacent
** Emission Rate = 1.703E-06
** Vertical Dimension = 50.00
** SZINIT = 23.26
** Nodes = 3
** 486218.449, 3619531.993, 21.32, 4.27, 23.26
** 486544.734, 3619509.229, 43.71, 4.27, 23.26
** 486861.535, 3619499.744, 56.49, 4.27, 23.26
** -----
LOCATION L0001712      VOLUME  486243.388 3619530.253 23.23
LOCATION L0001713      VOLUME  486293.267 3619526.773 25.78
LOCATION L0001714      VOLUME  486343.146 3619523.293 28.54
LOCATION L0001715      VOLUME  486393.024 3619519.813 31.61
LOCATION L0001716      VOLUME  486442.903 3619516.333 37.05
LOCATION L0001717      VOLUME  486492.782 3619512.853 43.85
LOCATION L0001718      VOLUME  486542.661 3619509.373 43.11
LOCATION L0001719      VOLUME  486592.634 3619507.795 40.25
LOCATION L0001720      VOLUME  486642.612 3619506.298 43.08
LOCATION L0001721      VOLUME  486692.589 3619504.802 46.05
LOCATION L0001722      VOLUME  486742.567 3619503.306 51.15
LOCATION L0001723      VOLUME  486792.545 3619501.809 55.00
LOCATION L0001724      VOLUME  486842.522 3619500.313 55.09
** End of LINE VOLUME Source ID = SLINE29
** -----
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE30
** DESCRSRC SR-94: 25th to 28th
** PREFIX
** Length of Side = 50.00
** Configuration = Adjacent
** Emission Rate = 1.703E-06
** Vertical Dimension = 50.00
** SZINIT = 23.26
** Nodes = 2
** 486859.899, 3619499.604, 56.51, 4.27, 23.26
** 487462.288, 3619504.948, 43.97, 4.27, 23.26
** -----
LOCATION L0001625      VOLUME  486884.898 3619499.826 56.49
LOCATION L0001626      VOLUME  486934.896 3619500.269 52.16
LOCATION L0001627      VOLUME  486984.894 3619500.713 53.00
LOCATION L0001628      VOLUME  487034.892 3619501.156 54.05
LOCATION L0001629      VOLUME  487084.890 3619501.600 57.26
LOCATION L0001630      VOLUME  487134.888 3619502.043 50.66
LOCATION L0001631      VOLUME  487184.886 3619502.487 50.58
LOCATION L0001632      VOLUME  487234.884 3619502.930 53.07
LOCATION L0001633      VOLUME  487284.882 3619503.374 54.90
LOCATION L0001634      VOLUME  487334.881 3619503.817 57.89
LOCATION L0001635      VOLUME  487384.879 3619504.261 51.56
LOCATION L0001636      VOLUME  487434.877 3619504.704 47.64
** End of LINE VOLUME Source ID = SLINE30
** -----
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE31
** DESCRSRC SR-94: 28th to 32nd
** PREFIX
** Length of Side = 50.00

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** Configuration = Adjacent
** Emission Rate = 1.911E-06
** Vertical Dimension = 50.00
** SZINIT = 23.26
** Nodes = 5
** 487461.145, 3619505.961, 44.29, 4.27, 23.26
** 487595.836, 3619512.707, 47.58, 4.27, 23.26
** 487753.301, 3619527.884, 47.03, 4.27, 23.26
** 487914.560, 3619569.621, 54.46, 4.27, 23.26
** 488178.265, 3619664.479, 45.89, 4.27, 23.26
** -----
LOCATION L0001637      VOLUME  487486.114 3619507.211 44.54
LOCATION L0001638      VOLUME  487536.051 3619509.712 47.20
LOCATION L0001639      VOLUME  487585.989 3619512.213 48.00
LOCATION L0001640      VOLUME  487635.791 3619516.558 48.55
LOCATION L0001641      VOLUME  487685.560 3619521.355 47.76
LOCATION L0001642      VOLUME  487735.330 3619526.152 46.98
LOCATION L0001643      VOLUME  487784.227 3619535.888 48.57
LOCATION L0001644      VOLUME  487832.632 3619548.417 51.74
LOCATION L0001645      VOLUME  487881.037 3619560.945 52.45
LOCATION L0001646      VOLUME  487929.025 3619574.825 54.13
LOCATION L0001647      VOLUME  487976.074 3619591.749 54.32
LOCATION L0001648      VOLUME  488023.123 3619608.673 52.18
LOCATION L0001649      VOLUME  488070.171 3619625.597 53.00
LOCATION L0001650      VOLUME  488117.220 3619642.521 54.11
LOCATION L0001651      VOLUME  488164.269 3619659.445 48.28
** End of LINE VOLUME Source ID = SLINE31
** -----
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE32
** DESCRSRC SR-94: 32nd to I-15
** PREFIX
** Length of Side = 50.00
** Configuration = Adjacent
** Emission Rate = 2.848E-06
** Vertical Dimension = 50.00
** SZINIT = 23.26
** Nodes = 3
** 488174.190, 3619665.424, 49.98, 4.27, 23.26
** 488583.604, 3619807.258, 29.30, 4.27, 23.26
** 488954.203, 3619899.406, 23.08, 4.27, 23.26
** -----
LOCATION L0001652      VOLUME  488197.813 3619673.608 45.37
LOCATION L0001653      VOLUME  488245.058 3619689.975 41.60
LOCATION L0001654      VOLUME  488292.303 3619706.342 37.51
LOCATION L0001655      VOLUME  488339.549 3619722.709 36.73
LOCATION L0001656      VOLUME  488386.794 3619739.077 34.77
LOCATION L0001657      VOLUME  488434.039 3619755.444 33.89
LOCATION L0001658      VOLUME  488481.284 3619771.811 31.72
LOCATION L0001659      VOLUME  488528.530 3619788.178 31.87
LOCATION L0001660      VOLUME  488575.775 3619804.545 29.01
LOCATION L0001661      VOLUME  488624.086 3619817.323 30.78
LOCATION L0001662      VOLUME  488672.608 3619829.388 29.88
LOCATION L0001663      VOLUME  488721.131 3619841.453 30.20
LOCATION L0001664      VOLUME  488769.653 3619853.518 28.46
LOCATION L0001665      VOLUME  488818.176 3619865.583 27.39
LOCATION L0001666      VOLUME  488866.698 3619877.648 26.48
LOCATION L0001667      VOLUME  488915.221 3619889.713 23.83
** End of LINE VOLUME Source ID = SLINE32
** -----

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```

** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE33
** DESCRSRC SR-94: I-15 to Home
** PREFIX
** Length of Side = 50.00
** Configuration = Adjacent
** Emission Rate = 2.848E-06
** Vertical Dimension = 50.00
** SZINIT = 23.26
** Nodes = 2
** 488954.664, 3619900.673, 23.09, 4.27, 23.26
** 489638.477, 3620050.744, 34.69, 4.27, 23.26
**

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-----
LOCATION L0001668      VOLUME  488979.083 3619906.032 23.63
LOCATION L0001669      VOLUME  489027.920 3619916.750 25.88
LOCATION L0001670      VOLUME  489076.758 3619927.468 25.25
LOCATION L0001671      VOLUME  489125.596 3619938.186 27.00
LOCATION L0001672      VOLUME  489174.434 3619948.904 25.37
LOCATION L0001673      VOLUME  489223.271 3619959.622 23.60
LOCATION L0001674      VOLUME  489272.109 3619970.340 25.75
LOCATION L0001675      VOLUME  489320.947 3619981.058 28.99
LOCATION L0001676      VOLUME  489369.784 3619991.776 30.36
LOCATION L0001677      VOLUME  489418.622 3620002.494 28.06
LOCATION L0001678      VOLUME  489467.460 3620013.212 27.93
LOCATION L0001679      VOLUME  489516.298 3620023.930 30.28
LOCATION L0001680      VOLUME  489565.135 3620034.649 30.12
LOCATION L0001681      VOLUME  489613.973 3620045.367 33.14

```

```

** End of LINE VOLUME Source ID = SLINE33
**

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```

-----
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE34
** DESCRSRC SR-94: I-15 to I-805
** PREFIX
** Length of Side = 50.00
** Configuration = Adjacent
** Emission Rate = 2.848E-06
** Vertical Dimension = 50.00
** SZINIT = 23.26
** Nodes = 5
** 489637.188, 3620050.821, 34.66, 4.27, 23.26
** 489920.027, 3620055.384, 38.75, 4.27, 23.26
** 489994.037, 3620066.771, 38.78, 4.27, 23.26
** 490250.226, 3620127.497, 43.77, 4.27, 23.26
** 490369.781, 3620140.781, 43.79, 4.27, 23.26
**

```

```

-----
LOCATION L0001682      VOLUME  489662.185 3620051.224 34.95
LOCATION L0001683      VOLUME  489712.179 3620052.031 37.42
LOCATION L0001684      VOLUME  489762.172 3620052.838 39.67
LOCATION L0001685      VOLUME  489812.166 3620053.644 39.50
LOCATION L0001686      VOLUME  489862.159 3620054.451 35.82
LOCATION L0001687      VOLUME  489912.152 3620055.257 38.39
LOCATION L0001688      VOLUME  489961.662 3620061.790 37.93
LOCATION L0001689      VOLUME  490010.816 3620070.748 39.70
LOCATION L0001690      VOLUME  490059.468 3620082.280 41.54
LOCATION L0001691      VOLUME  490108.120 3620093.812 44.13
LOCATION L0001692      VOLUME  490156.771 3620105.345 44.36
LOCATION L0001693      VOLUME  490205.423 3620116.877 44.25
LOCATION L0001694      VOLUME  490254.158 3620127.934 43.78
LOCATION L0001695      VOLUME  490303.852 3620133.455 46.34
LOCATION L0001696      VOLUME  490353.546 3620138.977 45.46

```

\*\* End of LINE VOLUME Source ID = SLINE34

\*\* Source Parameters \*\*

\*\* LINE VOLUME Source ID = SLINE1

SRCPARAM L0000877	0.0000001782	4.27	23.26	23.26
SRCPARAM L0000878	0.0000001782	4.27	23.26	23.26
SRCPARAM L0000879	0.0000001782	4.27	23.26	23.26
SRCPARAM L0000880	0.0000001782	4.27	23.26	23.26
SRCPARAM L0000881	0.0000001782	4.27	23.26	23.26
SRCPARAM L0000882	0.0000001782	4.27	23.26	23.26
SRCPARAM L0000883	0.0000001782	4.27	23.26	23.26
SRCPARAM L0000884	0.0000001782	4.27	23.26	23.26
SRCPARAM L0000885	0.0000001782	4.27	23.26	23.26
SRCPARAM L0000886	0.0000001782	4.27	23.26	23.26
SRCPARAM L0000887	0.0000001782	4.27	23.26	23.26
SRCPARAM L0000888	0.0000001782	4.27	23.26	23.26
SRCPARAM L0000889	0.0000001782	4.27	23.26	23.26
SRCPARAM L0000890	0.0000001782	4.27	23.26	23.26
SRCPARAM L0000891	0.0000001782	4.27	23.26	23.26
SRCPARAM L0000892	0.0000001782	4.27	23.26	23.26

\*\*

\*\* LINE VOLUME Source ID = SLINE2

SRCPARAM L0000893	0.0000001077	4.27	23.26	23.26
SRCPARAM L0000894	0.0000001077	4.27	23.26	23.26
SRCPARAM L0000895	0.0000001077	4.27	23.26	23.26
SRCPARAM L0000896	0.0000001077	4.27	23.26	23.26
SRCPARAM L0000897	0.0000001077	4.27	23.26	23.26
SRCPARAM L0000898	0.0000001077	4.27	23.26	23.26
SRCPARAM L0000899	0.0000001077	4.27	23.26	23.26
SRCPARAM L0000900	0.0000001077	4.27	23.26	23.26
SRCPARAM L0000901	0.0000001077	4.27	23.26	23.26
SRCPARAM L0000902	0.0000001077	4.27	23.26	23.26
SRCPARAM L0000903	0.0000001077	4.27	23.26	23.26
SRCPARAM L0000904	0.0000001077	4.27	23.26	23.26
SRCPARAM L0000905	0.0000001077	4.27	23.26	23.26
SRCPARAM L0000906	0.0000001077	4.27	23.26	23.26
SRCPARAM L0000907	0.0000001077	4.27	23.26	23.26
SRCPARAM L0000908	0.0000001077	4.27	23.26	23.26
SRCPARAM L0000909	0.0000001077	4.27	23.26	23.26
SRCPARAM L0000910	0.0000001077	4.27	23.26	23.26
SRCPARAM L0000911	0.0000001077	4.27	23.26	23.26
SRCPARAM L0000912	0.0000001077	4.27	23.26	23.26
SRCPARAM L0000913	0.0000001077	4.27	23.26	23.26
SRCPARAM L0000914	0.0000001077	4.27	23.26	23.26
SRCPARAM L0000915	0.0000001077	4.27	23.26	23.26
SRCPARAM L0000916	0.0000001077	4.27	23.26	23.26
SRCPARAM L0000917	0.0000001077	4.27	23.26	23.26
SRCPARAM L0000918	0.0000001077	4.27	23.26	23.26
SRCPARAM L0000919	0.0000001077	4.27	23.26	23.26
SRCPARAM L0000920	0.0000001077	4.27	23.26	23.26
SRCPARAM L0000921	0.0000001077	4.27	23.26	23.26
SRCPARAM L0000922	0.0000001077	4.27	23.26	23.26
SRCPARAM L0000923	0.0000001077	4.27	23.26	23.26
SRCPARAM L0000924	0.0000001077	4.27	23.26	23.26
SRCPARAM L0000925	0.0000001077	4.27	23.26	23.26
SRCPARAM L0000926	0.0000001077	4.27	23.26	23.26

\*\*

\*\* LINE VOLUME Source ID = SLINE3

SRCPARAM L0000927	0.0000001305	4.27	23.26	23.26
SRCPARAM L0000928	0.0000001305	4.27	23.26	23.26
SRCPARAM L0000929	0.0000001305	4.27	23.26	23.26

















SRCPARAM	L0001333	0.00000006685	4.27	23.26	23.26
SRCPARAM	L0001334	0.00000006685	4.27	23.26	23.26
**-----					
**	LINE VOLUME	Source ID = SLINE18			
SRCPARAM	L0001335	0.000000325	4.27	23.26	23.26
SRCPARAM	L0001336	0.000000325	4.27	23.26	23.26
SRCPARAM	L0001337	0.000000325	4.27	23.26	23.26
SRCPARAM	L0001338	0.000000325	4.27	23.26	23.26
SRCPARAM	L0001339	0.000000325	4.27	23.26	23.26
SRCPARAM	L0001340	0.000000325	4.27	23.26	23.26
SRCPARAM	L0001341	0.000000325	4.27	23.26	23.26
SRCPARAM	L0001342	0.000000325	4.27	23.26	23.26
SRCPARAM	L0001343	0.000000325	4.27	23.26	23.26
SRCPARAM	L0001344	0.000000325	4.27	23.26	23.26
SRCPARAM	L0001345	0.000000325	4.27	23.26	23.26
SRCPARAM	L0001346	0.000000325	4.27	23.26	23.26
SRCPARAM	L0001347	0.000000325	4.27	23.26	23.26
SRCPARAM	L0001348	0.000000325	4.27	23.26	23.26
SRCPARAM	L0001349	0.000000325	4.27	23.26	23.26
**-----					
**	LINE VOLUME	Source ID = SLINE19			
SRCPARAM	L0001350	0.0000002216	4.27	23.26	23.26
SRCPARAM	L0001351	0.0000002216	4.27	23.26	23.26
SRCPARAM	L0001352	0.0000002216	4.27	23.26	23.26
SRCPARAM	L0001353	0.0000002216	4.27	23.26	23.26
SRCPARAM	L0001354	0.0000002216	4.27	23.26	23.26
SRCPARAM	L0001355	0.0000002216	4.27	23.26	23.26
SRCPARAM	L0001356	0.0000002216	4.27	23.26	23.26
SRCPARAM	L0001357	0.0000002216	4.27	23.26	23.26
SRCPARAM	L0001358	0.0000002216	4.27	23.26	23.26
SRCPARAM	L0001359	0.0000002216	4.27	23.26	23.26
SRCPARAM	L0001360	0.0000002216	4.27	23.26	23.26
SRCPARAM	L0001361	0.0000002216	4.27	23.26	23.26
SRCPARAM	L0001362	0.0000002216	4.27	23.26	23.26
SRCPARAM	L0001363	0.0000002216	4.27	23.26	23.26
SRCPARAM	L0001364	0.0000002216	4.27	23.26	23.26
SRCPARAM	L0001365	0.0000002216	4.27	23.26	23.26
SRCPARAM	L0001366	0.0000002216	4.27	23.26	23.26
SRCPARAM	L0001367	0.0000002216	4.27	23.26	23.26
SRCPARAM	L0001368	0.0000002216	4.27	23.26	23.26
SRCPARAM	L0001369	0.0000002216	4.27	23.26	23.26
SRCPARAM	L0001370	0.0000002216	4.27	23.26	23.26
SRCPARAM	L0001371	0.0000002216	4.27	23.26	23.26
**-----					
**	LINE VOLUME	Source ID = SLINE20			
SRCPARAM	L0001372	0.0000001161	4.27	23.26	23.26
SRCPARAM	L0001373	0.0000001161	4.27	23.26	23.26
SRCPARAM	L0001374	0.0000001161	4.27	23.26	23.26
SRCPARAM	L0001375	0.0000001161	4.27	23.26	23.26
SRCPARAM	L0001376	0.0000001161	4.27	23.26	23.26
SRCPARAM	L0001377	0.0000001161	4.27	23.26	23.26
SRCPARAM	L0001378	0.0000001161	4.27	23.26	23.26
SRCPARAM	L0001379	0.0000001161	4.27	23.26	23.26
SRCPARAM	L0001380	0.0000001161	4.27	23.26	23.26
SRCPARAM	L0001381	0.0000001161	4.27	23.26	23.26
SRCPARAM	L0001382	0.0000001161	4.27	23.26	23.26
SRCPARAM	L0001383	0.0000001161	4.27	23.26	23.26
SRCPARAM	L0001384	0.0000001161	4.27	23.26	23.26
SRCPARAM	L0001385	0.0000001161	4.27	23.26	23.26
SRCPARAM	L0001386	0.0000001161	4.27	23.26	23.26











SRCPARAM	L0001611	0.00000005756	4.27	23.26	23.26
**-----					
**	LINE VOLUME Source ID = SLINE29				
SRCPARAM	L0001712	0.000000131	4.27	23.26	23.26
SRCPARAM	L0001713	0.000000131	4.27	23.26	23.26
SRCPARAM	L0001714	0.000000131	4.27	23.26	23.26
SRCPARAM	L0001715	0.000000131	4.27	23.26	23.26
SRCPARAM	L0001716	0.000000131	4.27	23.26	23.26
SRCPARAM	L0001717	0.000000131	4.27	23.26	23.26
SRCPARAM	L0001718	0.000000131	4.27	23.26	23.26
SRCPARAM	L0001719	0.000000131	4.27	23.26	23.26
SRCPARAM	L0001720	0.000000131	4.27	23.26	23.26
SRCPARAM	L0001721	0.000000131	4.27	23.26	23.26
SRCPARAM	L0001722	0.000000131	4.27	23.26	23.26
SRCPARAM	L0001723	0.000000131	4.27	23.26	23.26
SRCPARAM	L0001724	0.000000131	4.27	23.26	23.26
**-----					
**	LINE VOLUME Source ID = SLINE30				
SRCPARAM	L0001625	0.0000001419	4.27	23.26	23.26
SRCPARAM	L0001626	0.0000001419	4.27	23.26	23.26
SRCPARAM	L0001627	0.0000001419	4.27	23.26	23.26
SRCPARAM	L0001628	0.0000001419	4.27	23.26	23.26
SRCPARAM	L0001629	0.0000001419	4.27	23.26	23.26
SRCPARAM	L0001630	0.0000001419	4.27	23.26	23.26
SRCPARAM	L0001631	0.0000001419	4.27	23.26	23.26
SRCPARAM	L0001632	0.0000001419	4.27	23.26	23.26
SRCPARAM	L0001633	0.0000001419	4.27	23.26	23.26
SRCPARAM	L0001634	0.0000001419	4.27	23.26	23.26
SRCPARAM	L0001635	0.0000001419	4.27	23.26	23.26
SRCPARAM	L0001636	0.0000001419	4.27	23.26	23.26
**-----					
**	LINE VOLUME Source ID = SLINE31				
SRCPARAM	L0001637	0.0000001274	4.27	23.26	23.26
SRCPARAM	L0001638	0.0000001274	4.27	23.26	23.26
SRCPARAM	L0001639	0.0000001274	4.27	23.26	23.26
SRCPARAM	L0001640	0.0000001274	4.27	23.26	23.26
SRCPARAM	L0001641	0.0000001274	4.27	23.26	23.26
SRCPARAM	L0001642	0.0000001274	4.27	23.26	23.26
SRCPARAM	L0001643	0.0000001274	4.27	23.26	23.26
SRCPARAM	L0001644	0.0000001274	4.27	23.26	23.26
SRCPARAM	L0001645	0.0000001274	4.27	23.26	23.26
SRCPARAM	L0001646	0.0000001274	4.27	23.26	23.26
SRCPARAM	L0001647	0.0000001274	4.27	23.26	23.26
SRCPARAM	L0001648	0.0000001274	4.27	23.26	23.26
SRCPARAM	L0001649	0.0000001274	4.27	23.26	23.26
SRCPARAM	L0001650	0.0000001274	4.27	23.26	23.26
SRCPARAM	L0001651	0.0000001274	4.27	23.26	23.26
**-----					
**	LINE VOLUME Source ID = SLINE32				
SRCPARAM	L0001652	0.000000178	4.27	23.26	23.26
SRCPARAM	L0001653	0.000000178	4.27	23.26	23.26
SRCPARAM	L0001654	0.000000178	4.27	23.26	23.26
SRCPARAM	L0001655	0.000000178	4.27	23.26	23.26
SRCPARAM	L0001656	0.000000178	4.27	23.26	23.26
SRCPARAM	L0001657	0.000000178	4.27	23.26	23.26
SRCPARAM	L0001658	0.000000178	4.27	23.26	23.26
SRCPARAM	L0001659	0.000000178	4.27	23.26	23.26
SRCPARAM	L0001660	0.000000178	4.27	23.26	23.26
SRCPARAM	L0001661	0.000000178	4.27	23.26	23.26
SRCPARAM	L0001662	0.000000178	4.27	23.26	23.26

SRCPARAM	L0001663	0.000000178	4.27	23.26	23.26
SRCPARAM	L0001664	0.000000178	4.27	23.26	23.26
SRCPARAM	L0001665	0.000000178	4.27	23.26	23.26
SRCPARAM	L0001666	0.000000178	4.27	23.26	23.26
SRCPARAM	L0001667	0.000000178	4.27	23.26	23.26

\*\* -----

\*\* LINE VOLUME Source ID = SLINE33

SRCPARAM	L0001668	0.0000002034	4.27	23.26	23.26
SRCPARAM	L0001669	0.0000002034	4.27	23.26	23.26
SRCPARAM	L0001670	0.0000002034	4.27	23.26	23.26
SRCPARAM	L0001671	0.0000002034	4.27	23.26	23.26
SRCPARAM	L0001672	0.0000002034	4.27	23.26	23.26
SRCPARAM	L0001673	0.0000002034	4.27	23.26	23.26
SRCPARAM	L0001674	0.0000002034	4.27	23.26	23.26
SRCPARAM	L0001675	0.0000002034	4.27	23.26	23.26
SRCPARAM	L0001676	0.0000002034	4.27	23.26	23.26
SRCPARAM	L0001677	0.0000002034	4.27	23.26	23.26
SRCPARAM	L0001678	0.0000002034	4.27	23.26	23.26
SRCPARAM	L0001679	0.0000002034	4.27	23.26	23.26
SRCPARAM	L0001680	0.0000002034	4.27	23.26	23.26
SRCPARAM	L0001681	0.0000002034	4.27	23.26	23.26

\*\* -----

\*\* LINE VOLUME Source ID = SLINE34

SRCPARAM	L0001682	0.0000001899	4.27	23.26	23.26
SRCPARAM	L0001683	0.0000001899	4.27	23.26	23.26
SRCPARAM	L0001684	0.0000001899	4.27	23.26	23.26
SRCPARAM	L0001685	0.0000001899	4.27	23.26	23.26
SRCPARAM	L0001686	0.0000001899	4.27	23.26	23.26
SRCPARAM	L0001687	0.0000001899	4.27	23.26	23.26
SRCPARAM	L0001688	0.0000001899	4.27	23.26	23.26
SRCPARAM	L0001689	0.0000001899	4.27	23.26	23.26
SRCPARAM	L0001690	0.0000001899	4.27	23.26	23.26
SRCPARAM	L0001691	0.0000001899	4.27	23.26	23.26
SRCPARAM	L0001692	0.0000001899	4.27	23.26	23.26
SRCPARAM	L0001693	0.0000001899	4.27	23.26	23.26
SRCPARAM	L0001694	0.0000001899	4.27	23.26	23.26
SRCPARAM	L0001695	0.0000001899	4.27	23.26	23.26
SRCPARAM	L0001696	0.0000001899	4.27	23.26	23.26

\*\* -----

SRCGROUP ALL

SO FINISHED

\*\*  
\*\*\*\*\*

\*\* AERMOD Receptor Pathway  
\*\*\*\*\*

\*\*  
\*\*

RE STARTING  
INCLUDED 6086\_Fut.rou

RE FINISHED  
\*\*

\*\*\*\*\*

\*\* AERMOD Meteorology Pathway  
\*\*\*\*\*

\*\*  
\*\*

ME STARTING  
SURFFILE ..\Met\MET156459\_2008\_2013.SFC  
PROFFILE ..\Met\MET156459\_2008\_2013.PFL  
SURFDATA 23188 2008 SAN\_DIEGO/LINDBERGH\_FIELD

```
UAIRDATA 3190 2008
PROFBASE 1.0 METERS
ME FINISHED
**
*****
** AERMOD Output Pathway
*****
**
**
OU STARTING
  RECTABLE ALLAVE 1ST
  RECTABLE 1 1ST
** Auto-Generated Plotfiles
  PLOTFILE 1 ALL 1ST 6086_Fut.AD\01H1GALL.PLT 31
  PLOTFILE ANNUAL ALL 6086_Fut.AD\AN00GALL.PLT 32
  SUMMFILE 6086_Fut.sum
OU FINISHED
```

\*\*\* Message Summary For AERMOD Model Setup \*\*\*

----- Summary of Total Messages -----

```
A Total of          0 Fatal Error Message(s)
A Total of          1 Warning Message(s)
A Total of          0 Informational Message(s)
```

```
***** FATAL ERROR MESSAGES *****
*** NONE ***
```

```
***** WARNING MESSAGES *****
RE W213    1314      RECAR: ELEV Input Inconsistent With Option: Input Ignored      UCART1
```

```
*****
*** SETUP Finishes Successfully ***
*****
```

\*\*\* AERMOD - VERSION 14134 \*\*\* H:\RECON\6806\AERMOD\Fut\6086\_Fut\6086\_Fut.isc  
\*\*\* AERMET - VERSION 14134 \*\*\*

\*\*\* 03/30/15  
\*\*\* 00:41:26  
\*\*\* PAGE 1

\*\*MODELOPTs: NonDEFAULT CONC FLAT and ELEV

\*\*\* MODEL SETUP OPTIONS SUMMARY \*\*\*

\*\*Model Is Setup For Calculation of Average CONCentration Values.

-- DEPOSITION LOGIC --

\*\*NO GAS DEPOSITION Data Provided.

\*\*NO PARTICLE DEPOSITION Data Provided.

\*\*Model Uses NO DRY DEPLETION. DRYDPLT = F

\*\*Model Uses NO WET DEPLETION. WETDPLT = F

\*\*Model Uses RURAL Dispersion Only.

\*\*Model Allows User-Specified Options:

1. Stack-tip Downwash.
2. Allow FLAT/ELEV Terrain Option by Source,  
with 0 FLAT and 809 ELEV Source(s).
3. Use Calms Processing Routine.
4. Use Missing Data Processing Routine.
5. No Exponential Decay.

\*\*Other Options Specified:

CCVR\_Sub - Meteorological data includes CCVR substitutions

TEMP\_Sub - Meteorological data includes TEMP substitutions

\*\*Model Assumes No FLAGPOLE Receptor Heights.

\*\*The User Specified a Pollutant Type of: PM<sub>10</sub>

\*\*Model Calculates 1 Short Term Average(s) of: 1-HR  
and Calculates ANNUAL Averages

\*\*This Run Includes: 809 Source(s); 1 Source Group(s); and 3750 Receptor(s)

\*\*Model Set To Continue RUNNING After the Setup Testing.

\*\*The AERMET Input Meteorological Data Version Date: 14134

\*\*Output Options Selected:

Model Outputs Tables of ANNUAL Averages by Receptor

Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE Keyword)

Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)

Model Outputs Separate Summary File of High Ranked Values (SUMMFILE Keyword)

\*\*NOTE: The Following Flags May Appear Following CONC Values: c for Calm Hours  
m for Missing Hours  
b for Both Calm and Missing Hours

\*\*Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) = 1.00 ; Decay Coef. = 0.000 ; Rot. Angle = 0.0  
Emission Units = GRAMS/SEC ; Emission Rate Unit Factor = 0.10000E+07  
Output Units = MICROGRAMS/M\*\*3

\*\*Approximate Storage Requirements of Model = 4.3 MB of RAM.

\*\*Detailed Error/Message File: 6086\_Fut.err

\*\*File for Summary of Results: 6086\_Fut.sum

\*\*MODELOPTs: NonDEFAULT CONC FLAT and ELEV

\*\*\* VOLUME SOURCE DATA \*\*\*

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0000877	0	0.17820E-06	486165.9	3618761.4	21.5	4.27	23.26	23.26	NO	
L0000878	0	0.17820E-06	486165.7	3618811.4	20.6	4.27	23.26	23.26	NO	
L0000879	0	0.17820E-06	486165.5	3618861.4	19.5	4.27	23.26	23.26	NO	
L0000880	0	0.17820E-06	486165.2	3618911.4	21.2	4.27	23.26	23.26	NO	
L0000881	0	0.17820E-06	486165.0	3618961.4	19.9	4.27	23.26	23.26	NO	
L0000882	0	0.17820E-06	486164.7	3619011.4	18.0	4.27	23.26	23.26	NO	
L0000883	0	0.17820E-06	486164.5	3619061.4	19.5	4.27	23.26	23.26	NO	
L0000884	0	0.17820E-06	486164.2	3619111.4	17.8	4.27	23.26	23.26	NO	
L0000885	0	0.17820E-06	486164.0	3619161.4	17.2	4.27	23.26	23.26	NO	
L0000886	0	0.17820E-06	486163.8	3619211.4	18.7	4.27	23.26	23.26	NO	
L0000887	0	0.17820E-06	486163.5	3619261.4	18.3	4.27	23.26	23.26	NO	
L0000888	0	0.17820E-06	486163.3	3619311.4	18.7	4.27	23.26	23.26	NO	
L0000889	0	0.17820E-06	486163.0	3619361.4	18.4	4.27	23.26	23.26	NO	
L0000890	0	0.17820E-06	486162.8	3619411.4	18.0	4.27	23.26	23.26	NO	
L0000891	0	0.17820E-06	486162.5	3619461.4	19.2	4.27	23.26	23.26	NO	
L0000892	0	0.17820E-06	486162.3	3619511.4	19.6	4.27	23.26	23.26	NO	
L0000893	0	0.10770E-06	486162.3	3619550.3	19.7	4.27	23.26	23.26	NO	
L0000894	0	0.10770E-06	486161.7	3619600.3	27.2	4.27	23.26	23.26	NO	
L0000895	0	0.10770E-06	486161.2	3619650.3	25.6	4.27	23.26	23.26	NO	
L0000896	0	0.10770E-06	486160.6	3619700.3	26.6	4.27	23.26	23.26	NO	
L0000897	0	0.10770E-06	486160.1	3619750.3	29.0	4.27	23.26	23.26	NO	
L0000898	0	0.10770E-06	486159.6	3619800.3	27.0	4.27	23.26	23.26	NO	
L0000899	0	0.10770E-06	486159.0	3619850.3	23.5	4.27	23.26	23.26	NO	
L0000900	0	0.10770E-06	486158.5	3619900.3	22.9	4.27	23.26	23.26	NO	
L0000901	0	0.10770E-06	486157.9	3619950.2	25.1	4.27	23.26	23.26	NO	
L0000902	0	0.10770E-06	486157.4	3620000.2	37.7	4.27	23.26	23.26	NO	
L0000903	0	0.10770E-06	486156.8	3620050.2	32.5	4.27	23.26	23.26	NO	
L0000904	0	0.10770E-06	486153.1	3620100.0	32.7	4.27	23.26	23.26	NO	
L0000905	0	0.10770E-06	486145.4	3620149.4	30.9	4.27	23.26	23.26	NO	
L0000906	0	0.10770E-06	486137.6	3620198.8	35.2	4.27	23.26	23.26	NO	
L0000907	0	0.10770E-06	486124.9	3620247.0	49.9	4.27	23.26	23.26	NO	
L0000908	0	0.10770E-06	486109.9	3620294.7	47.5	4.27	23.26	23.26	NO	
L0000909	0	0.10770E-06	486094.9	3620342.4	47.6	4.27	23.26	23.26	NO	
L0000910	0	0.10770E-06	486079.9	3620390.1	49.6	4.27	23.26	23.26	NO	
L0000911	0	0.10770E-06	486064.9	3620437.8	52.7	4.27	23.26	23.26	NO	
L0000912	0	0.10770E-06	486037.1	3620478.9	51.8	4.27	23.26	23.26	NO	
L0000913	0	0.10770E-06	486007.1	3620518.9	50.3	4.27	23.26	23.26	NO	
L0000914	0	0.10770E-06	485977.0	3620558.9	50.2	4.27	23.26	23.26	NO	
L0000915	0	0.10770E-06	485947.0	3620598.8	50.0	4.27	23.26	23.26	NO	
L0000916	0	0.10770E-06	485917.0	3620638.8	54.1	4.27	23.26	23.26	NO	

\*\*MODELOPTs: NonDEFAULT CONC FLAT and ELEV

\*\*\* VOLUME SOURCE DATA \*\*\*

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0000917	0	0.10770E-06	485882.0	3620672.3	57.4	4.27	23.26	23.26	NO	
L0000918	0	0.10770E-06	485835.7	3620691.3	55.6	4.27	23.26	23.26	NO	
L0000919	0	0.10770E-06	485789.4	3620710.2	54.4	4.27	23.26	23.26	NO	
L0000920	0	0.10770E-06	485743.1	3620729.1	58.9	4.27	23.26	23.26	NO	
L0000921	0	0.10770E-06	485694.4	3620732.5	57.5	4.27	23.26	23.26	NO	
L0000922	0	0.10770E-06	485644.6	3620728.5	58.5	4.27	23.26	23.26	NO	
L0000923	0	0.10770E-06	485594.7	3620724.6	57.8	4.27	23.26	23.26	NO	
L0000924	0	0.10770E-06	485544.9	3620720.6	51.4	4.27	23.26	23.26	NO	
L0000925	0	0.10770E-06	485495.1	3620716.7	46.3	4.27	23.26	23.26	NO	
L0000926	0	0.10770E-06	485445.2	3620712.7	44.8	4.27	23.26	23.26	NO	
L0000927	0	0.13050E-06	485411.0	3620709.5	47.0	4.27	23.26	23.26	NO	
L0000928	0	0.13050E-06	485361.4	3620703.0	51.0	4.27	23.26	23.26	NO	
L0000929	0	0.13050E-06	485311.8	3620696.6	48.9	4.27	23.26	23.26	NO	
L0000930	0	0.13050E-06	485262.3	3620690.2	42.1	4.27	23.26	23.26	NO	
L0000931	0	0.13050E-06	485216.5	3620670.1	42.5	4.27	23.26	23.26	NO	
L0000932	0	0.13050E-06	485170.8	3620649.9	48.3	4.27	23.26	23.26	NO	
L0000933	0	0.13050E-06	485125.1	3620629.6	48.3	4.27	23.26	23.26	NO	
L0000934	0	0.13050E-06	485079.4	3620609.3	47.3	4.27	23.26	23.26	NO	
L0000935	0	0.13050E-06	485032.7	3620591.4	44.8	4.27	23.26	23.26	NO	
L0000936	0	0.13050E-06	484985.5	3620574.9	41.3	4.27	23.26	23.26	NO	
L0000937	0	0.13050E-06	484938.0	3620559.8	40.1	4.27	23.26	23.26	NO	
L0000938	0	0.13050E-06	484888.2	3620555.0	31.6	4.27	23.26	23.26	NO	
L0000939	0	0.13050E-06	484839.0	3620558.4	33.8	4.27	23.26	23.26	NO	
L0000940	0	0.13050E-06	484790.1	3620569.0	39.1	4.27	23.26	23.26	NO	
L0000941	0	0.13050E-06	484741.8	3620581.2	35.3	4.27	23.26	23.26	NO	
L0000942	0	0.13050E-06	484696.9	3620603.2	30.1	4.27	23.26	23.26	NO	
L0000943	0	0.13050E-06	484652.1	3620625.3	30.9	4.27	23.26	23.26	NO	
L0000944	0	0.13050E-06	484614.9	3620658.2	33.1	4.27	23.26	23.26	NO	
L0000945	0	0.13050E-06	484579.6	3620693.6	31.0	4.27	23.26	23.26	NO	
L0000946	0	0.13050E-06	484547.4	3620731.8	28.3	4.27	23.26	23.26	NO	
L0000947	0	0.13050E-06	484515.8	3620770.6	29.1	4.27	23.26	23.26	NO	
L0000948	0	0.13050E-06	484484.3	3620809.4	29.3	4.27	23.26	23.26	NO	
L0000949	0	0.13050E-06	484452.7	3620848.2	32.4	4.27	23.26	23.26	NO	
L0000950	0	0.13050E-06	484421.2	3620886.9	30.7	4.27	23.26	23.26	NO	
L0000951	0	0.13050E-06	484389.7	3620925.7	31.0	4.27	23.26	23.26	NO	
L0000952	0	0.13050E-06	484358.1	3620964.5	31.3	4.27	23.26	23.26	NO	
L0000953	0	0.13050E-06	484326.6	3621003.3	32.3	4.27	23.26	23.26	NO	
L0000954	0	0.15540E-06	484288.2	3621053.9	32.5	4.27	23.26	23.26	NO	
L0000955	0	0.15540E-06	484258.6	3621094.2	34.3	4.27	23.26	23.26	NO	
L0000956	0	0.15540E-06	484229.0	3621134.4	35.0	4.27	23.26	23.26	NO	



\*\*MODELOPTs: NonDEFAULT CONC FLAT and ELEV

\*\*\* VOLUME SOURCE DATA \*\*\*

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0000957	0	0.15540E-06	484199.3	3621174.7	31.3	4.27	23.26	23.26	NO	
L0000958	0	0.15540E-06	484169.7	3621215.0	28.8	4.27	23.26	23.26	NO	
L0000959	0	0.15540E-06	484140.0	3621255.2	28.5	4.27	23.26	23.26	NO	
L0000960	0	0.15540E-06	484110.4	3621295.5	25.2	4.27	23.26	23.26	NO	
L0000961	0	0.15540E-06	484080.8	3621335.8	25.4	4.27	23.26	23.26	NO	
L0000962	0	0.15540E-06	484051.1	3621376.0	27.0	4.27	23.26	23.26	NO	
L0000963	0	0.15540E-06	484021.5	3621416.3	26.8	4.27	23.26	23.26	NO	
L0000964	0	0.15540E-06	483991.8	3621456.6	27.0	4.27	23.26	23.26	NO	
L0000965	0	0.15540E-06	483962.2	3621496.8	28.4	4.27	23.26	23.26	NO	
L0000966	0	0.15540E-06	483932.5	3621537.1	27.1	4.27	23.26	23.26	NO	
L0000967	0	0.15540E-06	483902.9	3621577.4	27.1	4.27	23.26	23.26	NO	
L0000968	0	0.15540E-06	483873.3	3621617.6	25.2	4.27	23.26	23.26	NO	
L0000969	0	0.15540E-06	483843.6	3621657.9	25.1	4.27	23.26	23.26	NO	
L0000970	0	0.15540E-06	483814.0	3621698.2	23.6	4.27	23.26	23.26	NO	
L0000971	0	0.10900E-06	483796.1	3621722.0	24.2	4.27	23.26	23.26	NO	
L0000972	0	0.10900E-06	483766.3	3621762.1	26.8	4.27	23.26	23.26	NO	
L0000973	0	0.10900E-06	483736.5	3621802.3	23.7	4.27	23.26	23.26	NO	
L0000974	0	0.10900E-06	483706.7	3621842.4	23.9	4.27	23.26	23.26	NO	
L0000975	0	0.10900E-06	483676.9	3621882.6	25.3	4.27	23.26	23.26	NO	
L0000976	0	0.10900E-06	483647.1	3621922.7	28.6	4.27	23.26	23.26	NO	
L0000977	0	0.10900E-06	483617.2	3621962.8	30.6	4.27	23.26	23.26	NO	
L0000978	0	0.10900E-06	483587.4	3622003.0	28.2	4.27	23.26	23.26	NO	
L0000979	0	0.10900E-06	483557.6	3622043.1	26.5	4.27	23.26	23.26	NO	
L0000980	0	0.10900E-06	483527.8	3622083.2	27.7	4.27	23.26	23.26	NO	
L0000981	0	0.10900E-06	483498.0	3622123.4	26.9	4.27	23.26	23.26	NO	
L0000982	0	0.10900E-06	483468.1	3622163.5	26.0	4.27	23.26	23.26	NO	
L0000983	0	0.10900E-06	483438.3	3622203.6	23.1	4.27	23.26	23.26	NO	
L0000984	0	0.10900E-06	483408.5	3622243.8	21.4	4.27	23.26	23.26	NO	
L0000985	0	0.10900E-06	483378.7	3622283.9	24.9	4.27	23.26	23.26	NO	
L0000986	0	0.10900E-06	483348.9	3622324.0	25.6	4.27	23.26	23.26	NO	
L0000987	0	0.10900E-06	483319.0	3622364.2	25.4	4.27	23.26	23.26	NO	
L0000988	0	0.10900E-06	483289.2	3622404.3	25.2	4.27	23.26	23.26	NO	
L0000989	0	0.10900E-06	483259.4	3622444.4	25.3	4.27	23.26	23.26	NO	
L0000990	0	0.10900E-06	483229.6	3622484.6	25.9	4.27	23.26	23.26	NO	
L0000991	0	0.10900E-06	483199.8	3622524.7	23.8	4.27	23.26	23.26	NO	
L0000992	0	0.10900E-06	483170.0	3622564.9	19.7	4.27	23.26	23.26	NO	
L0000993	0	0.10900E-06	483138.8	3622603.6	17.5	4.27	23.26	23.26	NO	
L0000994	0	0.10900E-06	483099.2	3622634.2	17.1	4.27	23.26	23.26	NO	
L0000995	0	0.10900E-06	483059.6	3622664.8	19.5	4.27	23.26	23.26	NO	
L0000996	0	0.10900E-06	483017.5	3622691.4	19.7	4.27	23.26	23.26	NO	

\*\*MODELOPTs: NonDEFAULT CONC FLAT and ELEV

\*\*\* VOLUME SOURCE DATA \*\*\*

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0000997	0	0.10900E-06	482974.0	3622716.1	22.1	4.27	23.26	23.26	NO	
L0000998	0	0.10900E-06	482930.5	3622740.8	20.8	4.27	23.26	23.26	NO	
L0000999	0	0.13340E-06	482877.6	3622770.1	22.1	4.27	23.26	23.26	NO	
L0001000	0	0.13340E-06	482833.8	3622794.1	22.7	4.27	23.26	23.26	NO	
L0001001	0	0.13340E-06	482789.9	3622818.2	17.2	4.27	23.26	23.26	NO	
L0001002	0	0.13340E-06	482746.1	3622842.2	17.8	4.27	23.26	23.26	NO	
L0001003	0	0.13340E-06	482702.2	3622866.2	19.9	4.27	23.26	23.26	NO	
L0001004	0	0.13340E-06	482658.4	3622890.2	21.3	4.27	23.26	23.26	NO	
L0001005	0	0.13340E-06	482614.5	3622914.3	21.0	4.27	23.26	23.26	NO	
L0001006	0	0.13340E-06	482570.7	3622938.3	20.3	4.27	23.26	23.26	NO	
L0001007	0	0.13340E-06	482526.8	3622962.3	21.1	4.27	23.26	23.26	NO	
L0001008	0	0.13340E-06	482483.0	3622986.3	18.8	4.27	23.26	23.26	NO	
L0001009	0	0.13340E-06	482439.1	3623010.4	17.2	4.27	23.26	23.26	NO	
L0001010	0	0.13340E-06	482395.3	3623034.4	14.8	4.27	23.26	23.26	NO	
L0001011	0	0.13340E-06	482351.4	3623058.4	15.9	4.27	23.26	23.26	NO	
L0001012	0	0.13340E-06	482307.6	3623082.4	13.1	4.27	23.26	23.26	NO	
L0001013	0	0.13340E-06	482263.7	3623106.5	11.4	4.27	23.26	23.26	NO	
L0001014	0	0.13340E-06	482219.9	3623130.5	18.1	4.27	23.26	23.26	NO	
L0001015	0	0.13340E-06	482176.0	3623154.5	14.6	4.27	23.26	23.26	NO	
L0001016	0	0.13340E-06	482132.2	3623178.5	12.7	4.27	23.26	23.26	NO	
L0001017	0	0.13340E-06	482088.3	3623202.6	12.4	4.27	23.26	23.26	NO	
L0001018	0	0.13340E-06	482045.3	3623228.0	8.7	4.27	23.26	23.26	NO	
L0001019	0	0.13340E-06	482002.4	3623253.7	8.2	4.27	23.26	23.26	NO	
L0001020	0	0.13340E-06	481959.5	3623279.4	8.0	4.27	23.26	23.26	NO	
L0001021	0	0.13340E-06	481916.6	3623305.1	9.9	4.27	23.26	23.26	NO	
L0001022	0	0.90260E-07	481865.6	3623341.0	7.5	4.27	23.26	23.26	NO	
L0001023	0	0.90260E-07	481826.8	3623372.6	9.3	4.27	23.26	23.26	NO	
L0001024	0	0.90260E-07	481788.1	3623404.2	10.9	4.27	23.26	23.26	NO	
L0001025	0	0.90260E-07	481752.9	3623439.5	4.3	4.27	23.26	23.26	NO	
L0001026	0	0.90260E-07	481719.9	3623477.1	3.8	4.27	23.26	23.26	NO	
L0001027	0	0.90260E-07	481687.0	3623514.7	6.3	4.27	23.26	23.26	NO	
L0001028	0	0.90260E-07	481654.0	3623552.3	4.5	4.27	23.26	23.26	NO	
L0001029	0	0.90260E-07	481621.1	3623589.9	6.1	4.27	23.26	23.26	NO	
L0001030	0	0.90260E-07	481588.3	3623627.6	6.0	4.27	23.26	23.26	NO	
L0001031	0	0.90260E-07	481559.4	3623668.4	6.0	4.27	23.26	23.26	NO	
L0001032	0	0.90260E-07	481530.4	3623709.2	6.3	4.27	23.26	23.26	NO	
L0001033	0	0.90260E-07	481501.4	3623749.9	7.1	4.27	23.26	23.26	NO	
L0001034	0	0.90260E-07	481472.5	3623790.7	7.1	4.27	23.26	23.26	NO	
L0001035	0	0.90260E-07	481443.5	3623831.4	6.1	4.27	23.26	23.26	NO	
L0001036	0	0.90260E-07	481410.0	3623868.1	5.0	4.27	23.26	23.26	NO	

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\*\*\* VOLUME SOURCE DATA \*\*\*

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L0001037	0	0.90260E-07	481372.4	3623901.1	4.8	4.27	23.26	23.26	NO	
L0001038	0	0.90260E-07	481334.9	3623934.1	2.7	4.27	23.26	23.26	NO	
L0001039	0	0.90260E-07	481297.3	3623967.1	4.4	4.27	23.26	23.26	NO	
L0001040	0	0.90260E-07	481259.7	3624000.1	6.0	4.27	23.26	23.26	NO	
L0001041	0	0.90260E-07	481222.2	3624033.1	2.5	4.27	23.26	23.26	NO	
L0001042	0	0.90260E-07	481184.6	3624066.1	6.1	4.27	23.26	23.26	NO	
L0001043	0	0.90260E-07	481147.1	3624099.1	8.4	4.27	23.26	23.26	NO	
L0001044	0	0.90260E-07	481109.9	3624132.5	8.0	4.27	23.26	23.26	NO	
L0001045	0	0.90260E-07	481077.2	3624170.3	7.9	4.27	23.26	23.26	NO	
L0001046	0	0.90260E-07	481044.6	3624208.2	6.5	4.27	23.26	23.26	NO	
L0001047	0	0.90260E-07	481018.3	3624250.4	5.3	4.27	23.26	23.26	NO	
L0001048	0	0.90260E-07	480995.1	3624294.7	6.1	4.27	23.26	23.26	NO	
L0001049	0	0.90260E-07	480972.0	3624339.0	2.5	4.27	23.26	23.26	NO	
L0001050	0	0.90260E-07	480951.0	3624384.1	4.1	4.27	23.26	23.26	NO	
L0001051	0	0.90260E-07	480941.2	3624433.2	7.3	4.27	23.26	23.26	NO	
L0001052	0	0.90260E-07	480931.4	3624482.2	9.8	4.27	23.26	23.26	NO	
L0001053	0	0.90260E-07	480921.6	3624531.2	8.3	4.27	23.26	23.26	NO	
L0001054	0	0.90260E-07	480911.8	3624580.2	7.8	4.27	23.26	23.26	NO	
L0001055	0	0.90260E-07	480902.0	3624629.3	6.1	4.27	23.26	23.26	NO	
L0001088	0	0.72560E-07	480925.6	3624639.8	6.5	4.27	23.26	23.26	NO	
L0001089	0	0.72560E-07	480975.6	3624641.5	9.0	4.27	23.26	23.26	NO	
L0001090	0	0.72560E-07	481025.5	3624643.3	10.5	4.27	23.26	23.26	NO	
L0001091	0	0.72560E-07	481075.1	3624649.1	11.4	4.27	23.26	23.26	NO	
L0001092	0	0.72560E-07	481124.4	3624657.2	16.8	4.27	23.26	23.26	NO	
L0001093	0	0.72560E-07	481173.8	3624665.4	19.0	4.27	23.26	23.26	NO	
L0001094	0	0.72560E-07	481223.1	3624673.5	14.7	4.27	23.26	23.26	NO	
L0001095	0	0.72560E-07	481272.4	3624681.7	13.3	4.27	23.26	23.26	NO	
L0001096	0	0.72560E-07	481321.6	3624691.0	13.9	4.27	23.26	23.26	NO	
L0001097	0	0.72560E-07	481370.6	3624700.6	11.8	4.27	23.26	23.26	NO	
L0001098	0	0.72560E-07	481419.7	3624710.3	15.6	4.27	23.26	23.26	NO	
L0001067	0	0.38010E-07	481488.9	3624724.4	15.7	4.27	23.26	23.26	NO	
L0001068	0	0.38010E-07	481538.0	3624733.9	10.9	4.27	23.26	23.26	NO	
L0001069	0	0.38010E-07	481587.1	3624743.3	6.3	4.27	23.26	23.26	NO	
L0001070	0	0.38010E-07	481636.2	3624752.8	8.7	4.27	23.26	23.26	NO	
L0001071	0	0.38010E-07	481685.3	3624762.3	11.4	4.27	23.26	23.26	NO	
L0001072	0	0.38010E-07	481734.5	3624770.2	10.8	4.27	23.26	23.26	NO	
L0001073	0	0.38010E-07	481784.4	3624767.8	15.2	4.27	23.26	23.26	NO	
L0001074	0	0.38010E-07	481834.4	3624765.5	12.5	4.27	23.26	23.26	NO	
L0001075	0	0.38010E-07	481883.9	3624758.9	11.7	4.27	23.26	23.26	NO	
L0001076	0	0.38010E-07	481933.1	3624750.3	5.1	4.27	23.26	23.26	NO	

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\*\*\* VOLUME SOURCE DATA \*\*\*

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L0001077	0	0.38010E-07	481982.4	3624741.7	7.6	4.27	23.26	23.26	NO	
L0001078	0	0.38010E-07	482031.6	3624733.1	9.8	4.27	23.26	23.26	NO	
L0001079	0	0.38010E-07	482080.9	3624724.4	6.2	4.27	23.26	23.26	NO	
L0001080	0	0.38010E-07	482130.1	3624715.9	9.6	4.27	23.26	23.26	NO	
L0001081	0	0.38010E-07	482179.4	3624707.7	10.3	4.27	23.26	23.26	NO	
L0001082	0	0.38010E-07	482228.8	3624699.4	7.5	4.27	23.26	23.26	NO	
L0001083	0	0.38010E-07	482278.1	3624691.2	7.1	4.27	23.26	23.26	NO	
L0001084	0	0.38010E-07	482327.4	3624682.9	8.9	4.27	23.26	23.26	NO	
L0001085	0	0.38010E-07	482376.7	3624674.7	10.9	4.27	23.26	23.26	NO	
L0001086	0	0.38010E-07	482426.0	3624666.4	14.1	4.27	23.26	23.26	NO	
L0001087	0	0.38010E-07	482475.3	3624658.2	16.7	4.27	23.26	23.26	NO	
L0001099	0	0.39350E-07	482501.1	3624656.8	15.9	4.27	23.26	23.26	NO	
L0001100	0	0.39350E-07	482551.0	3624653.3	13.6	4.27	23.26	23.26	NO	
L0001101	0	0.39350E-07	482600.9	3624649.8	7.5	4.27	23.26	23.26	NO	
L0001102	0	0.39350E-07	482650.8	3624646.4	7.0	4.27	23.26	23.26	NO	
L0001103	0	0.39350E-07	482700.6	3624642.9	10.9	4.27	23.26	23.26	NO	
L0001104	0	0.39350E-07	482750.5	3624639.4	16.8	4.27	23.26	23.26	NO	
L0001105	0	0.39350E-07	482800.4	3624635.9	19.2	4.27	23.26	23.26	NO	
L0001106	0	0.39350E-07	482850.3	3624633.3	17.9	4.27	23.26	23.26	NO	
L0001107	0	0.39350E-07	482900.3	3624631.3	16.3	4.27	23.26	23.26	NO	
L0001108	0	0.39350E-07	482950.2	3624629.4	14.3	4.27	23.26	23.26	NO	
L0001109	0	0.39350E-07	483000.2	3624627.5	10.2	4.27	23.26	23.26	NO	
L0001110	0	0.39350E-07	483050.2	3624625.6	10.3	4.27	23.26	23.26	NO	
L0001111	0	0.39350E-07	483100.1	3624623.7	14.3	4.27	23.26	23.26	NO	
L0001112	0	0.39350E-07	483150.1	3624621.8	18.3	4.27	23.26	23.26	NO	
L0001113	0	0.39350E-07	483200.1	3624619.8	17.4	4.27	23.26	23.26	NO	
L0001114	0	0.39350E-07	483250.0	3624617.9	12.1	4.27	23.26	23.26	NO	
L0001115	0	0.39350E-07	483300.0	3624616.0	12.0	4.27	23.26	23.26	NO	
L0001116	0	0.39350E-07	483349.9	3624614.1	10.1	4.27	23.26	23.26	NO	
L0001117	0	0.39350E-07	483399.9	3624613.4	9.2	4.27	23.26	23.26	NO	
L0001118	0	0.39350E-07	483449.9	3624615.6	10.5	4.27	23.26	23.26	NO	
L0001119	0	0.39350E-07	483499.8	3624617.7	10.1	4.27	23.26	23.26	NO	
L0001120	0	0.39350E-07	483549.4	3624623.0	8.8	4.27	23.26	23.26	NO	
L0001121	0	0.39350E-07	483598.5	3624632.4	7.8	4.27	23.26	23.26	NO	
L0001122	0	0.39350E-07	483647.6	3624641.7	6.3	4.27	23.26	23.26	NO	
L0001123	0	0.39350E-07	483696.7	3624651.2	5.7	4.27	23.26	23.26	NO	
L0001124	0	0.39350E-07	483745.1	3624663.9	8.8	4.27	23.26	23.26	NO	
L0001125	0	0.39350E-07	483793.4	3624676.7	9.2	4.27	23.26	23.26	NO	
L0001126	0	0.39350E-07	483841.8	3624689.4	4.0	4.27	23.26	23.26	NO	
L0001127	0	0.39350E-07	483890.1	3624702.1	4.7	4.27	23.26	23.26	NO	

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\*\*\* VOLUME SOURCE DATA \*\*\*

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L0001128	0	0.39350E-07	483938.5	3624714.8	9.0	4.27	23.26	23.26	NO	
L0001129	0	0.39350E-07	483986.9	3624727.5	8.2	4.27	23.26	23.26	NO	
L0001130	0	0.39350E-07	484035.2	3624740.3	6.2	4.27	23.26	23.26	NO	
L0001131	0	0.39350E-07	484083.6	3624753.0	6.4	4.27	23.26	23.26	NO	
L0001132	0	0.39350E-07	484131.9	3624765.7	5.9	4.27	23.26	23.26	NO	
L0001133	0	0.39350E-07	484180.3	3624778.4	6.5	4.27	23.26	23.26	NO	
L0001134	0	0.39350E-07	484228.6	3624791.1	10.3	4.27	23.26	23.26	NO	
L0001135	0	0.39350E-07	484277.0	3624803.8	12.2	4.27	23.26	23.26	NO	
L0001136	0	0.39350E-07	484325.3	3624816.6	13.1	4.27	23.26	23.26	NO	
L0001137	0	0.39350E-07	484373.7	3624829.3	13.8	4.27	23.26	23.26	NO	
L0001138	0	0.39350E-07	484420.6	3624846.3	14.4	4.27	23.26	23.26	NO	
L0001139	0	0.39350E-07	484467.1	3624864.9	15.7	4.27	23.26	23.26	NO	
L0001140	0	0.39350E-07	484513.5	3624883.5	14.0	4.27	23.26	23.26	NO	
L0001141	0	0.39350E-07	484559.4	3624903.1	11.9	4.27	23.26	23.26	NO	
L0001142	0	0.39350E-07	484602.8	3624927.9	13.4	4.27	23.26	23.26	NO	
L0001143	0	0.39350E-07	484646.2	3624952.8	12.3	4.27	23.26	23.26	NO	
L0001144	0	0.39350E-07	484689.6	3624977.6	13.0	4.27	23.26	23.26	NO	
L0001145	0	0.86950E-07	484722.8	3624990.5	14.4	0.00	23.26	23.26	NO	
L0001146	0	0.86950E-07	484770.1	3625006.5	15.0	0.00	23.26	23.26	NO	
L0001147	0	0.86950E-07	484817.5	3625022.5	13.4	0.00	23.26	23.26	NO	
L0001148	0	0.86950E-07	484864.9	3625038.5	12.5	0.00	23.26	23.26	NO	
L0001149	0	0.86950E-07	484912.2	3625054.5	13.8	0.00	23.26	23.26	NO	
L0001150	0	0.86950E-07	484959.6	3625070.6	14.0	0.00	23.26	23.26	NO	
L0001151	0	0.86950E-07	485006.9	3625086.6	15.1	0.00	23.26	23.26	NO	
L0001152	0	0.86950E-07	485054.3	3625102.6	17.8	0.00	23.26	23.26	NO	
L0001153	0	0.86950E-07	485101.7	3625118.6	15.9	0.00	23.26	23.26	NO	
L0001154	0	0.86950E-07	485149.0	3625134.7	15.2	0.00	23.26	23.26	NO	
L0001155	0	0.86950E-07	485196.4	3625150.7	16.1	0.00	23.26	23.26	NO	
L0001156	0	0.86950E-07	485243.8	3625166.7	15.0	0.00	23.26	23.26	NO	
L0001157	0	0.86950E-07	485291.1	3625182.7	16.1	0.00	23.26	23.26	NO	
L0001158	0	0.86950E-07	485338.5	3625198.7	14.2	0.00	23.26	23.26	NO	
L0001159	0	0.86950E-07	485385.8	3625214.8	12.3	0.00	23.26	23.26	NO	
L0001160	0	0.86950E-07	485433.2	3625230.8	15.1	0.00	23.26	23.26	NO	
L0001161	0	0.86950E-07	485480.6	3625246.8	16.4	0.00	23.26	23.26	NO	
L0001162	0	0.86950E-07	485527.9	3625262.8	17.9	0.00	23.26	23.26	NO	
L0001163	0	0.86950E-07	485575.3	3625278.9	18.3	0.00	23.26	23.26	NO	
L0001164	0	0.86950E-07	485622.7	3625294.9	18.1	0.00	23.26	23.26	NO	
L0001165	0	0.86950E-07	485670.0	3625310.9	18.4	0.00	23.26	23.26	NO	
L0001166	0	0.85040E-07	485716.3	3625325.8	17.5	4.27	23.26	23.26	NO	
L0001167	0	0.85040E-07	485764.2	3625340.4	10.4	4.27	23.26	23.26	NO	

\*\*MODELOPTs: NonDEFAULT CONC FLAT and ELEV

\*\*\* VOLUME SOURCE DATA \*\*\*

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0001168	0	0.85040E-07	485812.0	3625354.9	8.6	4.27	23.26	23.26	NO	
L0001169	0	0.85040E-07	485859.8	3625369.5	9.1	4.27	23.26	23.26	NO	
L0001170	0	0.85040E-07	485907.7	3625384.0	10.2	4.27	23.26	23.26	NO	
L0001171	0	0.85040E-07	485955.5	3625398.6	13.5	4.27	23.26	23.26	NO	
L0001172	0	0.85040E-07	486003.3	3625413.1	14.1	4.27	23.26	23.26	NO	
L0001173	0	0.85040E-07	486051.2	3625427.7	14.3	4.27	23.26	23.26	NO	
L0001174	0	0.85040E-07	486099.0	3625442.2	15.8	4.27	23.26	23.26	NO	
L0001175	0	0.85040E-07	486146.8	3625456.8	14.8	4.27	23.26	23.26	NO	
L0001176	0	0.85040E-07	486194.7	3625471.3	16.6	4.27	23.26	23.26	NO	
L0001177	0	0.85040E-07	486241.5	3625488.3	15.0	4.27	23.26	23.26	NO	
L0001178	0	0.85040E-07	486286.6	3625510.1	14.7	4.27	23.26	23.26	NO	
L0001179	0	0.85040E-07	486331.6	3625531.9	16.0	4.27	23.26	23.26	NO	
L0001180	0	0.85040E-07	486376.6	3625553.6	15.7	4.27	23.26	23.26	NO	
L0001181	0	0.85040E-07	486421.6	3625575.4	14.6	4.27	23.26	23.26	NO	
L0001182	0	0.85040E-07	486466.6	3625597.2	16.2	4.27	23.26	23.26	NO	
L0001183	0	0.85040E-07	486511.6	3625619.0	16.1	4.27	23.26	23.26	NO	
L0001184	0	0.85040E-07	486556.6	3625640.7	17.0	4.27	23.26	23.26	NO	
L0001185	0	0.85040E-07	486601.7	3625662.5	12.9	4.27	23.26	23.26	NO	
L0001186	0	0.85040E-07	486646.7	3625684.3	13.7	4.27	23.26	23.26	NO	
L0001187	0	0.85040E-07	486691.7	3625706.0	18.1	4.27	23.26	23.26	NO	
L0001188	0	0.85040E-07	486736.7	3625727.8	16.3	4.27	23.26	23.26	NO	
L0001189	0	0.85040E-07	486782.5	3625747.5	12.6	4.27	23.26	23.26	NO	
L0001190	0	0.85040E-07	486830.3	3625762.3	14.5	4.27	23.26	23.26	NO	
L0001191	0	0.85040E-07	486878.1	3625777.0	17.0	4.27	23.26	23.26	NO	
L0001192	0	0.12420E-06	486931.6	3625793.7	17.9	4.27	23.26	23.26	NO	
L0001193	0	0.12420E-06	486979.7	3625807.4	14.3	4.27	23.26	23.26	NO	
L0001194	0	0.12420E-06	487027.8	3625821.1	11.3	4.27	23.26	23.26	NO	
L0001195	0	0.12420E-06	487075.9	3625834.8	14.8	4.27	23.26	23.26	NO	
L0001196	0	0.12420E-06	487123.9	3625848.6	16.0	4.27	23.26	23.26	NO	
L0001197	0	0.12420E-06	487172.0	3625862.3	13.5	4.27	23.26	23.26	NO	
L0001198	0	0.12420E-06	487220.1	3625876.0	17.4	4.27	23.26	23.26	NO	
L0001199	0	0.12420E-06	487268.2	3625889.7	18.0	4.27	23.26	23.26	NO	
L0001200	0	0.12420E-06	487316.3	3625903.4	18.3	4.27	23.26	23.26	NO	
L0001201	0	0.12420E-06	487364.3	3625917.2	21.7	4.27	23.26	23.26	NO	
L0001202	0	0.12420E-06	487412.4	3625930.9	20.9	4.27	23.26	23.26	NO	
L0001203	0	0.12420E-06	487460.5	3625944.6	20.0	4.27	23.26	23.26	NO	
L0001204	0	0.12420E-06	487508.6	3625958.3	19.1	4.27	23.26	23.26	NO	
L0001205	0	0.12420E-06	487556.7	3625972.0	24.1	4.27	23.26	23.26	NO	
L0001206	0	0.12420E-06	487604.8	3625985.7	27.2	4.27	23.26	23.26	NO	
L0001207	0	0.65220E-07	487665.6	3626004.0	27.6	4.27	23.26	23.26	NO	

\*\*MODELOPTs: NonDEFAULT CONC FLAT and ELEV

\*\*\* VOLUME SOURCE DATA \*\*\*

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0001208	0	0.65220E-07	487712.7	3626021.0	23.9	4.27	23.26	23.26	NO	
L0001209	0	0.65220E-07	487759.7	3626038.0	25.7	4.27	23.26	23.26	NO	
L0001210	0	0.65220E-07	487806.7	3626055.0	21.6	4.27	23.26	23.26	NO	
L0001211	0	0.65220E-07	487853.7	3626072.0	16.6	4.27	23.26	23.26	NO	
L0001212	0	0.65220E-07	487900.8	3626088.9	13.2	4.27	23.26	23.26	NO	
L0001213	0	0.65220E-07	487946.1	3626109.5	11.9	4.27	23.26	23.26	NO	
L0001214	0	0.65220E-07	487989.0	3626135.2	12.7	4.27	23.26	23.26	NO	
L0001215	0	0.65220E-07	488031.8	3626161.0	21.8	4.27	23.26	23.26	NO	
L0001216	0	0.65220E-07	488074.7	3626186.7	26.5	4.27	23.26	23.26	NO	
L0001217	0	0.65220E-07	488117.6	3626212.4	20.8	4.27	23.26	23.26	NO	
L0001218	0	0.65220E-07	488159.9	3626239.0	21.9	4.27	23.26	23.26	NO	
L0001219	0	0.65220E-07	488201.8	3626266.3	28.7	4.27	23.26	23.26	NO	
L0001220	0	0.65220E-07	488243.8	3626293.5	28.1	4.27	23.26	23.26	NO	
L0001221	0	0.65220E-07	488285.7	3626320.7	22.7	4.27	23.26	23.26	NO	
L0001222	0	0.65220E-07	488327.7	3626347.9	24.1	4.27	23.26	23.26	NO	
L0001223	0	0.65220E-07	488369.6	3626375.1	23.0	4.27	23.26	23.26	NO	
L0001224	0	0.65220E-07	488411.6	3626402.3	22.7	4.27	23.26	23.26	NO	
L0001225	0	0.65220E-07	488453.5	3626429.6	20.3	4.27	23.26	23.26	NO	
L0001226	0	0.65220E-07	488495.5	3626456.8	19.6	4.27	23.26	23.26	NO	
L0001227	0	0.65220E-07	488537.4	3626484.0	25.4	4.27	23.26	23.26	NO	
L0001228	0	0.65220E-07	488579.3	3626511.2	32.8	4.27	23.26	23.26	NO	
L0001229	0	0.65220E-07	488621.3	3626538.4	31.6	4.27	23.26	23.26	NO	
L0001230	0	0.65220E-07	488663.2	3626565.6	28.3	4.27	23.26	23.26	NO	
L0001231	0	0.65220E-07	488705.3	3626592.7	24.5	4.27	23.26	23.26	NO	
L0001232	0	0.65220E-07	488749.6	3626615.9	24.5	4.27	23.26	23.26	NO	
L0001233	0	0.65220E-07	488793.8	3626639.1	27.8	4.27	23.26	23.26	NO	
L0001234	0	0.65220E-07	488838.1	3626662.4	24.8	4.27	23.26	23.26	NO	
L0001235	0	0.65220E-07	488882.4	3626685.6	22.4	4.27	23.26	23.26	NO	
L0001236	0	0.65220E-07	488929.9	3626700.7	23.1	4.27	23.26	23.26	NO	
L0001237	0	0.65220E-07	488978.0	3626714.4	27.9	4.27	23.26	23.26	NO	
L0001238	0	0.65220E-07	489026.1	3626728.0	30.0	4.27	23.26	23.26	NO	
L0001239	0	0.65220E-07	489075.1	3626735.7	26.7	4.27	23.26	23.26	NO	
L0001240	0	0.65220E-07	489125.1	3626736.8	25.8	4.27	23.26	23.26	NO	
L0001241	0	0.65220E-07	489175.1	3626737.9	31.3	4.27	23.26	23.26	NO	
L0001242	0	0.65220E-07	489225.1	3626739.0	35.3	4.27	23.26	23.26	NO	
L0001243	0	0.65220E-07	489275.1	3626740.2	30.5	4.27	23.26	23.26	NO	
L0001244	0	0.65220E-07	489325.0	3626741.3	26.7	4.27	23.26	23.26	NO	
L0001245	0	0.65220E-07	489375.0	3626742.4	29.2	4.27	23.26	23.26	NO	
L0001246	0	0.65220E-07	489425.0	3626743.6	27.5	4.27	23.26	23.26	NO	
L0001247	0	0.65220E-07	489475.0	3626744.7	27.4	4.27	23.26	23.26	NO	

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\*\*\* VOLUME SOURCE DATA \*\*\*

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L0001248	0	0.12730E-06	489503.9	3626747.1	29.4	4.27	23.26	23.26	NO	
L0001249	0	0.12730E-06	489553.9	3626748.5	30.1	4.27	23.26	23.26	NO	
L0001250	0	0.12730E-06	489603.9	3626750.0	23.6	4.27	23.26	23.26	NO	
L0001251	0	0.12730E-06	489653.9	3626751.4	23.6	4.27	23.26	23.26	NO	
L0001252	0	0.12730E-06	489703.9	3626752.8	24.7	4.27	23.26	23.26	NO	
L0001253	0	0.12730E-06	489753.8	3626754.2	27.3	4.27	23.26	23.26	NO	
L0001254	0	0.12730E-06	489803.8	3626755.6	27.5	4.27	23.26	23.26	NO	
L0001255	0	0.12730E-06	489853.8	3626757.0	25.0	4.27	23.26	23.26	NO	
L0001256	0	0.12730E-06	489903.8	3626758.4	22.6	4.27	23.26	23.26	NO	
L0001257	0	0.12730E-06	489953.8	3626759.8	29.0	4.27	23.26	23.26	NO	
L0001258	0	0.12730E-06	490003.7	3626761.2	31.4	4.27	23.26	23.26	NO	
L0001259	0	0.12730E-06	490053.7	3626762.7	32.0	4.27	23.26	23.26	NO	
L0001260	0	0.12730E-06	490103.7	3626764.1	27.6	4.27	23.26	23.26	NO	
L0001261	0	0.12730E-06	490153.7	3626765.5	28.1	4.27	23.26	23.26	NO	
L0001262	0	0.12730E-06	490203.6	3626767.4	27.0	4.27	23.26	23.26	NO	
L0001263	0	0.12730E-06	490253.3	3626773.1	25.7	4.27	23.26	23.26	NO	
L0001264	0	0.12730E-06	490303.0	3626778.9	26.2	4.27	23.26	23.26	NO	
L0001265	0	0.12730E-06	490352.6	3626784.6	28.9	4.27	23.26	23.26	NO	
L0001266	0	0.12730E-06	490402.3	3626790.3	25.8	4.27	23.26	23.26	NO	
L0001267	0	0.12730E-06	490452.0	3626796.0	25.4	4.27	23.26	23.26	NO	
L0001268	0	0.12730E-06	490501.6	3626801.8	26.3	4.27	23.26	23.26	NO	
L0001269	0	0.10280E-06	490543.1	3626809.1	25.4	4.27	23.26	23.26	NO	
L0001270	0	0.10280E-06	490592.0	3626819.2	28.4	4.27	23.26	23.26	NO	
L0001271	0	0.10280E-06	490641.0	3626829.3	33.1	4.27	23.26	23.26	NO	
L0001272	0	0.10280E-06	490690.0	3626839.4	35.0	4.27	23.26	23.26	NO	
L0001273	0	0.10280E-06	490738.9	3626849.6	37.0	4.27	23.26	23.26	NO	
L0001274	0	0.10280E-06	490787.9	3626859.7	37.4	4.27	23.26	23.26	NO	
L0001275	0	0.10280E-06	490836.9	3626869.8	36.9	4.27	23.26	23.26	NO	
L0001276	0	0.10280E-06	490885.8	3626879.9	38.7	4.27	23.26	23.26	NO	
L0001277	0	0.10280E-06	490934.8	3626890.0	36.4	4.27	23.26	23.26	NO	
L0001278	0	0.10280E-06	490983.8	3626900.2	39.3	4.27	23.26	23.26	NO	
L0001279	0	0.10280E-06	491032.7	3626910.3	43.0	4.27	23.26	23.26	NO	
L0001280	0	0.10280E-06	491081.7	3626920.4	44.7	4.27	23.26	23.26	NO	
L0001281	0	0.10280E-06	491130.7	3626930.5	45.1	4.27	23.26	23.26	NO	
L0001282	0	0.10280E-06	491179.6	3626940.6	44.5	4.27	23.26	23.26	NO	
L0001283	0	0.10280E-06	491228.7	3626949.8	39.5	4.27	23.26	23.26	NO	
L0001284	0	0.10280E-06	491278.5	3626954.4	34.6	4.27	23.26	23.26	NO	
L0001285	0	0.10280E-06	491328.3	3626959.0	39.3	4.27	23.26	23.26	NO	
L0001286	0	0.10280E-06	491378.1	3626963.6	38.5	4.27	23.26	23.26	NO	
L0001287	0	0.10280E-06	491427.9	3626968.2	36.5	4.27	23.26	23.26	NO	



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\*\*\* VOLUME SOURCE DATA \*\*\*

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0001288	0	0.10280E-06	491477.7	3626972.8	33.1	4.27	23.26	23.26	NO	
L0001289	0	0.10280E-06	491527.5	3626977.4	36.8	4.27	23.26	23.26	NO	
L0001290	0	0.10280E-06	491577.2	3626982.0	37.4	4.27	23.26	23.26	NO	
L0001291	0	0.10280E-06	491627.0	3626986.6	36.6	4.27	23.26	23.26	NO	
L0001292	0	0.10280E-06	491676.9	3626990.1	37.6	4.27	23.26	23.26	NO	
L0001293	0	0.10280E-06	491726.8	3626993.2	36.9	4.27	23.26	23.26	NO	
L0001294	0	0.10280E-06	491776.7	3626996.3	34.6	4.27	23.26	23.26	NO	
L0001295	0	0.66850E-07	491805.9	3626996.9	38.3	4.27	23.26	23.26	NO	
L0001296	0	0.66850E-07	491855.9	3626997.0	44.6	4.27	23.26	23.26	NO	
L0001297	0	0.66850E-07	491905.9	3626997.1	41.9	4.27	23.26	23.26	NO	
L0001298	0	0.66850E-07	491955.9	3626997.2	39.5	4.27	23.26	23.26	NO	
L0001299	0	0.66850E-07	492005.9	3626997.3	40.4	4.27	23.26	23.26	NO	
L0001300	0	0.66850E-07	492055.5	3626992.6	44.2	4.27	23.26	23.26	NO	
L0001301	0	0.66850E-07	492104.7	3626983.7	40.8	4.27	23.26	23.26	NO	
L0001302	0	0.66850E-07	492153.9	3626974.9	40.0	4.27	23.26	23.26	NO	
L0001303	0	0.66850E-07	492203.1	3626966.0	46.9	4.27	23.26	23.26	NO	
L0001304	0	0.66850E-07	492252.3	3626957.1	52.3	4.27	23.26	23.26	NO	
L0001305	0	0.66850E-07	492301.5	3626948.2	56.2	4.27	23.26	23.26	NO	
L0001306	0	0.66850E-07	492350.7	3626939.3	53.6	4.27	23.26	23.26	NO	
L0001307	0	0.66850E-07	492399.9	3626930.4	56.3	4.27	23.26	23.26	NO	
L0001308	0	0.66850E-07	492449.1	3626921.5	56.9	4.27	23.26	23.26	NO	
L0001309	0	0.66850E-07	492498.3	3626912.6	55.9	4.27	23.26	23.26	NO	
L0001310	0	0.66850E-07	492547.5	3626903.7	59.0	4.27	23.26	23.26	NO	
L0001311	0	0.66850E-07	492596.7	3626894.9	64.4	4.27	23.26	23.26	NO	
L0001312	0	0.66850E-07	492645.9	3626886.0	67.5	4.27	23.26	23.26	NO	
L0001313	0	0.66850E-07	492695.1	3626877.1	66.8	4.27	23.26	23.26	NO	
L0001314	0	0.66850E-07	492744.3	3626868.2	70.1	4.27	23.26	23.26	NO	
L0001315	0	0.66850E-07	492793.6	3626859.3	67.8	4.27	23.26	23.26	NO	
L0001316	0	0.66850E-07	492842.8	3626850.4	70.0	4.27	23.26	23.26	NO	
L0001317	0	0.66850E-07	492892.2	3626843.4	70.6	4.27	23.26	23.26	NO	
L0001318	0	0.66850E-07	492942.0	3626838.7	71.8	4.27	23.26	23.26	NO	
L0001319	0	0.66850E-07	492991.8	3626834.1	74.1	4.27	23.26	23.26	NO	
L0001320	0	0.66850E-07	493041.6	3626829.5	76.7	4.27	23.26	23.26	NO	
L0001321	0	0.66850E-07	493091.4	3626824.9	79.8	4.27	23.26	23.26	NO	
L0001322	0	0.66850E-07	493141.1	3626820.2	82.9	4.27	23.26	23.26	NO	
L0001323	0	0.66850E-07	493191.1	3626820.1	82.0	4.27	23.26	23.26	NO	
L0001324	0	0.66850E-07	493241.1	3626821.0	83.8	4.27	23.26	23.26	NO	
L0001325	0	0.66850E-07	493291.1	3626821.8	91.3	4.27	23.26	23.26	NO	
L0001326	0	0.66850E-07	493341.1	3626822.6	89.9	4.27	23.26	23.26	NO	
L0001327	0	0.66850E-07	493391.1	3626823.5	92.2	4.27	23.26	23.26	NO	

\*\*MODELOPTs: NonDEFAULT CONC FLAT and ELEV

\*\*\* VOLUME SOURCE DATA \*\*\*

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0001328	0	0.66850E-07	493441.1	3626824.3	94.5	4.27	23.26	23.26	NO	
L0001329	0	0.66850E-07	493491.1	3626825.2	95.7	4.27	23.26	23.26	NO	
L0001330	0	0.66850E-07	493541.0	3626826.0	98.1	4.27	23.26	23.26	NO	
L0001331	0	0.66850E-07	493591.0	3626826.9	98.2	4.27	23.26	23.26	NO	
L0001332	0	0.66850E-07	493641.0	3626827.7	99.6	4.27	23.26	23.26	NO	
L0001333	0	0.66850E-07	493691.0	3626828.6	102.3	4.27	23.26	23.26	NO	
L0001334	0	0.66850E-07	493741.0	3626829.4	107.0	4.27	23.26	23.26	NO	
L0001335	0	0.32500E-06	490370.8	3620176.1	43.0	4.27	23.26	23.26	NO	
L0001336	0	0.32500E-06	490373.8	3620226.0	37.6	4.27	23.26	23.26	NO	
L0001337	0	0.32500E-06	490376.8	3620275.9	38.4	4.27	23.26	23.26	NO	
L0001338	0	0.32500E-06	490379.8	3620325.8	43.0	4.27	23.26	23.26	NO	
L0001339	0	0.32500E-06	490382.8	3620375.7	45.2	4.27	23.26	23.26	NO	
L0001340	0	0.32500E-06	490385.8	3620425.6	45.1	4.27	23.26	23.26	NO	
L0001341	0	0.32500E-06	490388.8	3620475.5	47.0	4.27	23.26	23.26	NO	
L0001342	0	0.32500E-06	490389.9	3620525.4	44.0	4.27	23.26	23.26	NO	
L0001343	0	0.32500E-06	490385.3	3620575.2	47.8	4.27	23.26	23.26	NO	
L0001344	0	0.32500E-06	490380.8	3620625.0	44.1	4.27	23.26	23.26	NO	
L0001345	0	0.32500E-06	490376.3	3620674.8	43.4	4.27	23.26	23.26	NO	
L0001346	0	0.32500E-06	490367.4	3620723.7	44.8	4.27	23.26	23.26	NO	
L0001347	0	0.32500E-06	490352.5	3620771.5	44.8	4.27	23.26	23.26	NO	
L0001348	0	0.32500E-06	490337.6	3620819.2	41.8	4.27	23.26	23.26	NO	
L0001349	0	0.32500E-06	490322.7	3620866.9	43.3	4.27	23.26	23.26	NO	
L0001350	0	0.22160E-06	490310.7	3620890.5	43.6	4.27	23.26	23.26	NO	
L0001351	0	0.22160E-06	490289.0	3620935.6	42.0	4.27	23.26	23.26	NO	
L0001352	0	0.22160E-06	490267.3	3620980.6	49.2	4.27	23.26	23.26	NO	
L0001353	0	0.22160E-06	490245.7	3621025.7	52.1	4.27	23.26	23.26	NO	
L0001354	0	0.22160E-06	490215.2	3621065.1	52.7	4.27	23.26	23.26	NO	
L0001355	0	0.22160E-06	490183.2	3621103.5	55.8	4.27	23.26	23.26	NO	
L0001356	0	0.22160E-06	490151.2	3621141.9	59.8	4.27	23.26	23.26	NO	
L0001357	0	0.22160E-06	490119.2	3621180.3	61.3	4.27	23.26	23.26	NO	
L0001358	0	0.22160E-06	490084.9	3621216.7	63.3	4.27	23.26	23.26	NO	
L0001359	0	0.22160E-06	490050.0	3621252.5	65.4	4.27	23.26	23.26	NO	
L0001360	0	0.22160E-06	490013.2	3621286.0	65.2	4.27	23.26	23.26	NO	
L0001361	0	0.22160E-06	489970.8	3621312.5	70.5	4.27	23.26	23.26	NO	
L0001362	0	0.22160E-06	489928.4	3621339.0	73.4	4.27	23.26	23.26	NO	
L0001363	0	0.22160E-06	489886.0	3621365.4	75.6	4.27	23.26	23.26	NO	
L0001364	0	0.22160E-06	489843.6	3621391.9	71.5	4.27	23.26	23.26	NO	
L0001365	0	0.22160E-06	489801.2	3621418.4	69.3	4.27	23.26	23.26	NO	
L0001366	0	0.22160E-06	489758.8	3621444.9	73.1	4.27	23.26	23.26	NO	
L0001367	0	0.22160E-06	489716.4	3621471.4	75.0	4.27	23.26	23.26	NO	

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\*\*\* VOLUME SOURCE DATA \*\*\*

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0001368	0	0.22160E-06	489674.0	3621497.9	72.4	4.27	23.26	23.26	NO	
L0001369	0	0.22160E-06	489631.6	3621524.4	66.6	4.27	23.26	23.26	NO	
L0001370	0	0.22160E-06	489591.2	3621553.5	63.7	4.27	23.26	23.26	NO	
L0001371	0	0.22160E-06	489554.9	3621587.9	63.0	4.27	23.26	23.26	NO	
L0001372	0	0.11610E-06	489532.8	3621612.6	63.8	4.27	23.26	23.26	NO	
L0001373	0	0.11610E-06	489500.1	3621650.5	63.5	4.27	23.26	23.26	NO	
L0001374	0	0.11610E-06	489467.4	3621688.3	64.4	4.27	23.26	23.26	NO	
L0001375	0	0.11610E-06	489434.7	3621726.1	64.5	4.27	23.26	23.26	NO	
L0001376	0	0.11610E-06	489414.6	3621771.2	61.9	4.27	23.26	23.26	NO	
L0001377	0	0.11610E-06	489398.5	3621818.5	61.1	4.27	23.26	23.26	NO	
L0001378	0	0.11610E-06	489382.3	3621865.8	64.5	4.27	23.26	23.26	NO	
L0001379	0	0.11610E-06	489366.2	3621913.1	64.6	4.27	23.26	23.26	NO	
L0001380	0	0.11610E-06	489350.1	3621960.5	61.3	4.27	23.26	23.26	NO	
L0001381	0	0.11610E-06	489334.0	3622007.8	60.9	4.27	23.26	23.26	NO	
L0001382	0	0.11610E-06	489317.8	3622055.1	63.4	4.27	23.26	23.26	NO	
L0001383	0	0.11610E-06	489301.7	3622102.5	65.2	4.27	23.26	23.26	NO	
L0001384	0	0.11610E-06	489285.6	3622149.8	67.3	4.27	23.26	23.26	NO	
L0001385	0	0.11610E-06	489269.4	3622197.1	71.7	4.27	23.26	23.26	NO	
L0001386	0	0.11610E-06	489253.3	3622244.4	70.2	4.27	23.26	23.26	NO	
L0001387	0	0.11610E-06	489237.2	3622291.8	69.1	4.27	23.26	23.26	NO	
L0001388	0	0.11610E-06	489217.9	3622337.8	70.3	4.27	23.26	23.26	NO	
L0001389	0	0.11610E-06	489196.1	3622382.8	70.6	4.27	23.26	23.26	NO	
L0001390	0	0.11610E-06	489174.2	3622427.8	73.8	4.27	23.26	23.26	NO	
L0001391	0	0.11610E-06	489152.4	3622472.7	70.3	4.27	23.26	23.26	NO	
L0001392	0	0.11610E-06	489130.5	3622517.7	76.3	4.27	23.26	23.26	NO	
L0001393	0	0.11610E-06	489108.7	3622562.7	75.8	4.27	23.26	23.26	NO	
L0001394	0	0.11610E-06	489083.7	3622605.9	77.5	4.27	23.26	23.26	NO	
L0001395	0	0.11610E-06	489058.0	3622648.8	78.9	4.27	23.26	23.26	NO	
L0001396	0	0.11610E-06	489032.3	3622691.7	80.0	4.27	23.26	23.26	NO	
L0001397	0	0.11610E-06	489006.7	3622734.7	79.8	4.27	23.26	23.26	NO	
L0001398	0	0.11610E-06	488981.0	3622777.6	81.4	4.27	23.26	23.26	NO	
L0001399	0	0.11610E-06	488953.4	3622819.2	82.1	4.27	23.26	23.26	NO	
L0001400	0	0.11610E-06	488924.9	3622860.3	82.0	4.27	23.26	23.26	NO	
L0001401	0	0.11610E-06	488896.4	3622901.4	83.6	4.27	23.26	23.26	NO	
L0001402	0	0.11610E-06	488867.9	3622942.5	85.2	4.27	23.26	23.26	NO	
L0001403	0	0.11610E-06	488839.4	3622983.6	86.3	4.27	23.26	23.26	NO	
L0001404	0	0.11610E-06	488810.9	3623024.6	87.8	4.27	23.26	23.26	NO	
L0001405	0	0.11610E-06	488782.4	3623065.7	88.1	4.27	23.26	23.26	NO	
L0001406	0	0.11610E-06	488753.9	3623106.8	89.1	4.27	23.26	23.26	NO	
L0001407	0	0.11610E-06	488725.4	3623147.9	91.8	4.27	23.26	23.26	NO	

\*\*MODELOPTs: NonDEFAULT CONC FLAT and ELEV

\*\*\* VOLUME SOURCE DATA \*\*\*

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0001408	0	0.11610E-06	488696.9	3623189.0	91.1	4.27	23.26	23.26	NO	
L0001409	0	0.11610E-06	488668.4	3623230.1	91.5	4.27	23.26	23.26	NO	
L0001410	0	0.11610E-06	488639.9	3623271.2	92.3	4.27	23.26	23.26	NO	
L0001411	0	0.11610E-06	488611.4	3623312.2	93.0	4.27	23.26	23.26	NO	
L0001412	0	0.11610E-06	488582.9	3623353.3	96.4	4.27	23.26	23.26	NO	
L0001413	0	0.11610E-06	488554.5	3623394.4	97.1	4.27	23.26	23.26	NO	
L0001414	0	0.33680E-06	488518.7	3623453.1	99.7	4.27	23.26	23.26	NO	
L0001415	0	0.33680E-06	488497.0	3623498.1	97.0	4.27	23.26	23.26	NO	
L0001416	0	0.33680E-06	488475.2	3623543.1	99.8	4.27	23.26	23.26	NO	
L0001417	0	0.33680E-06	488460.8	3623591.0	101.7	4.27	23.26	23.26	NO	
L0001418	0	0.33680E-06	488447.0	3623639.0	107.2	4.27	23.26	23.26	NO	
L0001419	0	0.33680E-06	488433.1	3623687.1	106.8	4.27	23.26	23.26	NO	
L0001420	0	0.33680E-06	488419.3	3623735.1	104.6	4.27	23.26	23.26	NO	
L0001421	0	0.33680E-06	488405.4	3623783.1	102.7	4.27	23.26	23.26	NO	
L0001422	0	0.33680E-06	488391.6	3623831.2	106.7	4.27	23.26	23.26	NO	
L0001423	0	0.33680E-06	488377.7	3623879.2	108.5	4.27	23.26	23.26	NO	
L0001424	0	0.33680E-06	488363.8	3623927.3	110.2	4.27	23.26	23.26	NO	
L0001425	0	0.33680E-06	488350.0	3623975.3	114.5	4.27	23.26	23.26	NO	
L0001426	0	0.33680E-06	488336.1	3624023.4	112.5	4.27	23.26	23.26	NO	
L0001427	0	0.33680E-06	488322.3	3624071.4	113.0	4.27	23.26	23.26	NO	
L0001428	0	0.33680E-06	488308.4	3624119.4	116.0	4.27	23.26	23.26	NO	
L0001429	0	0.28720E-06	488288.1	3624188.6	114.7	4.27	23.26	23.26	NO	
L0001430	0	0.28720E-06	488275.2	3624236.9	113.4	4.27	23.26	23.26	NO	
L0001431	0	0.28720E-06	488262.3	3624285.2	115.6	4.27	23.26	23.26	NO	
L0001432	0	0.28720E-06	488249.4	3624333.5	115.2	4.27	23.26	23.26	NO	
L0001433	0	0.28720E-06	488236.5	3624381.8	116.9	4.27	23.26	23.26	NO	
L0001434	0	0.28720E-06	488223.6	3624430.1	115.7	4.27	23.26	23.26	NO	
L0001435	0	0.28720E-06	488210.7	3624478.4	113.3	4.27	23.26	23.26	NO	
L0001436	0	0.28720E-06	488197.8	3624526.7	116.8	4.27	23.26	23.26	NO	
L0001437	0	0.28720E-06	488184.9	3624575.0	117.5	4.27	23.26	23.26	NO	
L0001438	0	0.28720E-06	488172.0	3624623.3	115.4	4.27	23.26	23.26	NO	
L0001439	0	0.28720E-06	488159.1	3624671.6	117.4	4.27	23.26	23.26	NO	
L0001440	0	0.28720E-06	488146.2	3624719.9	118.5	4.27	23.26	23.26	NO	
L0001441	0	0.28720E-06	488133.3	3624768.3	115.9	4.27	23.26	23.26	NO	
L0001442	0	0.28720E-06	488120.4	3624816.6	114.5	4.27	23.26	23.26	NO	
L0001443	0	0.28720E-06	488107.5	3624864.9	113.0	4.27	23.26	23.26	NO	
L0001444	0	0.28720E-06	488094.6	3624913.2	114.0	4.27	23.26	23.26	NO	
L0001445	0	0.28720E-06	488081.7	3624961.5	112.9	4.27	23.26	23.26	NO	
L0001446	0	0.28720E-06	488068.8	3625009.8	114.6	4.27	23.26	23.26	NO	
L0001447	0	0.27130E-06	488055.5	3625057.9	111.9	4.27	23.26	23.26	NO	

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\*\*\* VOLUME SOURCE DATA \*\*\*

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0001448	0	0.27130E-06	488041.4	3625105.9	104.6	4.27	23.26	23.26	NO	
L0001449	0	0.27130E-06	488027.3	3625153.8	100.6	4.27	23.26	23.26	NO	
L0001450	0	0.27130E-06	488013.2	3625201.8	97.8	4.27	23.26	23.26	NO	
L0001451	0	0.27130E-06	487999.1	3625249.8	96.6	4.27	23.26	23.26	NO	
L0001452	0	0.27130E-06	487985.0	3625297.8	94.0	4.27	23.26	23.26	NO	
L0001453	0	0.27130E-06	487970.9	3625345.7	93.0	4.27	23.26	23.26	NO	
L0001454	0	0.27130E-06	487956.3	3625393.5	90.6	4.27	23.26	23.26	NO	
L0001455	0	0.27130E-06	487934.9	3625438.7	82.2	4.27	23.26	23.26	NO	
L0001456	0	0.27130E-06	487913.5	3625483.9	74.9	4.27	23.26	23.26	NO	
L0001457	0	0.27130E-06	487892.1	3625529.1	74.3	4.27	23.26	23.26	NO	
L0001458	0	0.27130E-06	487870.7	3625574.2	71.1	4.27	23.26	23.26	NO	
L0001459	0	0.27130E-06	487849.2	3625619.4	73.7	4.27	23.26	23.26	NO	
L0001460	0	0.27130E-06	487827.8	3625664.6	64.3	4.27	23.26	23.26	NO	
L0001461	0	0.27130E-06	487806.4	3625709.8	55.0	4.27	23.26	23.26	NO	
L0001462	0	0.27130E-06	487785.0	3625755.0	50.5	4.27	23.26	23.26	NO	
L0001463	0	0.27130E-06	487761.7	3625799.2	44.1	4.27	23.26	23.26	NO	
L0001464	0	0.27130E-06	487737.9	3625843.2	28.9	4.27	23.26	23.26	NO	
L0001465	0	0.27130E-06	487714.1	3625887.2	28.5	4.27	23.26	23.26	NO	
L0001466	0	0.27130E-06	487690.3	3625931.1	30.6	4.27	23.26	23.26	NO	
L0001467	0	0.27130E-06	487666.5	3625975.1	29.7	4.27	23.26	23.26	NO	
L0001468	0	0.56000E-07	488953.5	3619937.5	22.8	4.27	23.26	23.26	NO	
L0001469	0	0.56000E-07	488957.5	3619987.3	21.1	4.27	23.26	23.26	NO	
L0001470	0	0.56000E-07	488961.5	3620037.2	20.2	4.27	23.26	23.26	NO	
L0001471	0	0.56000E-07	488965.5	3620087.0	21.6	4.27	23.26	23.26	NO	
L0001472	0	0.56000E-07	488969.5	3620136.9	23.2	4.27	23.26	23.26	NO	
L0001473	0	0.56000E-07	488973.7	3620186.7	25.8	4.27	23.26	23.26	NO	
L0001474	0	0.56000E-07	488986.2	3620235.1	29.4	4.27	23.26	23.26	NO	
L0001475	0	0.56000E-07	488998.6	3620283.5	29.6	4.27	23.26	23.26	NO	
L0001476	0	0.56000E-07	489012.4	3620331.4	29.0	4.27	23.26	23.26	NO	
L0001477	0	0.56000E-07	489037.7	3620374.5	29.4	4.27	23.26	23.26	NO	
L0001478	0	0.56000E-07	489062.9	3620417.7	32.4	4.27	23.26	23.26	NO	
L0001479	0	0.56000E-07	489088.1	3620460.9	32.7	4.27	23.26	23.26	NO	
L0001480	0	0.56000E-07	489113.3	3620504.1	33.2	4.27	23.26	23.26	NO	
L0001481	0	0.56000E-07	489138.5	3620547.2	34.3	4.27	23.26	23.26	NO	
L0001482	0	0.56000E-07	489163.8	3620590.4	35.8	4.27	23.26	23.26	NO	
L0001483	0	0.56000E-07	489189.0	3620633.6	35.9	4.27	23.26	23.26	NO	
L0001484	0	0.56000E-07	489214.2	3620676.7	35.5	4.27	23.26	23.26	NO	
L0001485	0	0.56000E-07	489239.4	3620719.9	37.9	4.27	23.26	23.26	NO	
L0001486	0	0.56000E-07	489264.6	3620763.1	44.0	4.27	23.26	23.26	NO	
L0001487	0	0.56000E-07	489289.9	3620806.3	41.9	4.27	23.26	23.26	NO	

\*\*MODELOPTs: NonDEFAULT CONC FLAT and ELEV

\*\*\* VOLUME SOURCE DATA \*\*\*

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0001488	0	0.56000E-07	489315.1	3620849.4	40.6	4.27	23.26	23.26	NO	
L0001489	0	0.56000E-07	489340.3	3620892.6	42.9	4.27	23.26	23.26	NO	
L0001490	0	0.56000E-07	489365.5	3620935.8	43.4	4.27	23.26	23.26	NO	
L0001491	0	0.56000E-07	489390.8	3620978.9	41.9	4.27	23.26	23.26	NO	
L0001492	0	0.56000E-07	489415.2	3621022.5	48.3	4.27	23.26	23.26	NO	
L0001493	0	0.56000E-07	489434.1	3621068.8	48.3	4.27	23.26	23.26	NO	
L0001494	0	0.56000E-07	489453.1	3621115.0	47.0	4.27	23.26	23.26	NO	
L0001495	0	0.56000E-07	489472.1	3621161.3	50.8	4.27	23.26	23.26	NO	
L0001496	0	0.56000E-07	489491.1	3621207.6	51.1	4.27	23.26	23.26	NO	
L0001497	0	0.56000E-07	489510.1	3621253.8	52.5	4.27	23.26	23.26	NO	
L0001498	0	0.56000E-07	489519.5	3621302.2	55.8	4.27	23.26	23.26	NO	
L0001499	0	0.56000E-07	489521.7	3621352.1	54.1	4.27	23.26	23.26	NO	
L0001500	0	0.56000E-07	489523.9	3621402.1	56.9	4.27	23.26	23.26	NO	
L0001501	0	0.56000E-07	489526.1	3621452.0	55.1	4.27	23.26	23.26	NO	
L0001502	0	0.56000E-07	489528.3	3621502.0	56.3	4.27	23.26	23.26	NO	
L0001503	0	0.56000E-07	489530.5	3621551.9	59.0	4.27	23.26	23.26	NO	
L0001504	0	0.56000E-07	489532.7	3621601.9	64.2	4.27	23.26	23.26	NO	
L0001505	0	0.50540E-07	489530.6	3621646.7	62.4	4.27	23.26	23.26	NO	
L0001506	0	0.50540E-07	489524.6	3621696.4	61.7	4.27	23.26	23.26	NO	
L0001507	0	0.50540E-07	489515.2	3621745.3	64.5	4.27	23.26	23.26	NO	
L0001508	0	0.50540E-07	489502.0	3621793.6	65.6	4.27	23.26	23.26	NO	
L0001509	0	0.50540E-07	489488.7	3621841.8	63.6	4.27	23.26	23.26	NO	
L0001510	0	0.50540E-07	489475.5	3621890.0	62.8	4.27	23.26	23.26	NO	
L0001511	0	0.50540E-07	489461.0	3621937.8	67.5	4.27	23.26	23.26	NO	
L0001512	0	0.50540E-07	489445.1	3621985.2	68.0	4.27	23.26	23.26	NO	
L0001513	0	0.50540E-07	489429.2	3622032.6	68.8	4.27	23.26	23.26	NO	
L0001514	0	0.50540E-07	489413.3	3622080.0	69.1	4.27	23.26	23.26	NO	
L0001515	0	0.50540E-07	489397.4	3622127.4	70.0	4.27	23.26	23.26	NO	
L0001516	0	0.50540E-07	489381.5	3622174.8	69.5	4.27	23.26	23.26	NO	
L0001517	0	0.50540E-07	489369.7	3622223.0	69.7	4.27	23.26	23.26	NO	
L0001518	0	0.50540E-07	489367.9	3622273.0	71.4	4.27	23.26	23.26	NO	
L0001519	0	0.50540E-07	489366.0	3622322.9	76.4	4.27	23.26	23.26	NO	
L0001520	0	0.50540E-07	489364.2	3622372.9	78.3	4.27	23.26	23.26	NO	
L0001521	0	0.50540E-07	489374.5	3622421.0	78.9	4.27	23.26	23.26	NO	
L0001522	0	0.50540E-07	489391.1	3622468.2	74.3	4.27	23.26	23.26	NO	
L0001523	0	0.50540E-07	489407.7	3622515.3	77.9	4.27	23.26	23.26	NO	
L0001524	0	0.50540E-07	489424.3	3622562.5	77.7	4.27	23.26	23.26	NO	
L0001525	0	0.50540E-07	489440.9	3622609.7	81.1	4.27	23.26	23.26	NO	
L0001526	0	0.50540E-07	489465.1	3622652.7	80.5	4.27	23.26	23.26	NO	
L0001527	0	0.50540E-07	489495.4	3622692.5	80.3	4.27	23.26	23.26	NO	

\*\*MODELOPTs: NonDEFAULT CONC FLAT and ELEV

\*\*\* VOLUME SOURCE DATA \*\*\*

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0001528	0	0.50540E-07	489525.7	3622732.3	84.4	4.27	23.26	23.26	NO	
L0001529	0	0.50540E-07	489556.0	3622772.1	83.3	4.27	23.26	23.26	NO	
L0001530	0	0.50540E-07	489586.3	3622811.9	81.6	4.27	23.26	23.26	NO	
L0001531	0	0.50540E-07	489616.5	3622851.7	84.5	4.27	23.26	23.26	NO	
L0001532	0	0.50540E-07	489647.3	3622891.1	87.1	4.27	23.26	23.26	NO	
L0001533	0	0.50540E-07	489679.6	3622929.2	87.0	4.27	23.26	23.26	NO	
L0001534	0	0.50540E-07	489711.9	3622967.4	91.3	4.27	23.26	23.26	NO	
L0001535	0	0.50540E-07	489737.0	3623009.9	95.1	4.27	23.26	23.26	NO	
L0001536	0	0.50540E-07	489756.2	3623056.1	95.9	4.27	23.26	23.26	NO	
L0001537	0	0.50540E-07	489775.4	3623102.3	96.1	4.27	23.26	23.26	NO	
L0001538	0	0.50540E-07	489787.0	3623150.9	95.0	4.27	23.26	23.26	NO	
L0001539	0	0.50540E-07	489798.6	3623199.5	95.7	4.27	23.26	23.26	NO	
L0001540	0	0.50540E-07	489809.1	3623248.3	96.1	4.27	23.26	23.26	NO	
L0001541	0	0.50540E-07	489809.4	3623298.3	102.3	4.27	23.26	23.26	NO	
L0001542	0	0.50540E-07	489809.8	3623348.3	107.7	4.27	23.26	23.26	NO	
L0001543	0	0.50540E-07	489810.2	3623398.3	106.0	4.27	23.26	23.26	NO	
L0001544	0	0.50540E-07	489810.5	3623448.3	103.0	4.27	23.26	23.26	NO	
L0001545	0	0.50540E-07	489810.9	3623498.3	105.2	4.27	23.26	23.26	NO	
L0001546	0	0.17270E-06	489810.4	3623565.3	110.0	4.27	23.26	23.26	NO	
L0001547	0	0.17270E-06	489810.4	3623615.3	109.2	4.27	23.26	23.26	NO	
L0001548	0	0.17270E-06	489810.4	3623665.3	108.3	4.27	23.26	23.26	NO	
L0001549	0	0.17270E-06	489810.4	3623715.3	103.5	4.27	23.26	23.26	NO	
L0001550	0	0.17270E-06	489810.5	3623765.3	108.9	4.27	23.26	23.26	NO	
L0001551	0	0.17270E-06	489810.5	3623815.3	111.3	4.27	23.26	23.26	NO	
L0001552	0	0.17270E-06	489810.5	3623865.3	109.0	4.27	23.26	23.26	NO	
L0001553	0	0.17270E-06	489810.5	3623915.3	112.2	4.27	23.26	23.26	NO	
L0001554	0	0.17270E-06	489810.5	3623965.3	113.0	4.27	23.26	23.26	NO	
L0001555	0	0.17270E-06	489810.6	3624015.3	113.5	4.27	23.26	23.26	NO	
L0001556	0	0.17270E-06	489810.6	3624065.3	115.5	4.27	23.26	23.26	NO	
L0001557	0	0.17270E-06	489810.6	3624115.3	112.2	4.27	23.26	23.26	NO	
L0001558	0	0.11510E-06	489808.8	3624175.7	111.0	4.27	23.26	23.26	NO	
L0001559	0	0.11510E-06	489807.2	3624225.7	109.7	4.27	23.26	23.26	NO	
L0001560	0	0.11510E-06	489805.6	3624275.7	107.3	4.27	23.26	23.26	NO	
L0001561	0	0.11510E-06	489804.0	3624325.6	108.9	4.27	23.26	23.26	NO	
L0001562	0	0.11510E-06	489802.3	3624375.6	109.4	4.27	23.26	23.26	NO	
L0001563	0	0.11510E-06	489800.7	3624425.6	107.9	4.27	23.26	23.26	NO	
L0001564	0	0.11510E-06	489799.1	3624475.5	109.0	4.27	23.26	23.26	NO	
L0001565	0	0.11510E-06	489797.5	3624525.5	112.0	4.27	23.26	23.26	NO	
L0001566	0	0.11510E-06	489795.8	3624575.5	112.1	4.27	23.26	23.26	NO	
L0001567	0	0.11510E-06	489794.2	3624625.5	110.0	4.27	23.26	23.26	NO	

\*\*MODELOPTs: NonDEFAULT CONC FLAT and ELEV

\*\*\* VOLUME SOURCE DATA \*\*\*

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0001568	0	0.11510E-06	489792.6	3624675.4	110.5	4.27	23.26	23.26	NO	
L0001569	0	0.11510E-06	489791.0	3624725.4	109.6	4.27	23.26	23.26	NO	
L0001570	0	0.11510E-06	489789.3	3624775.4	110.8	4.27	23.26	23.26	NO	
L0001571	0	0.11510E-06	489786.7	3624825.3	110.3	4.27	23.26	23.26	NO	
L0001572	0	0.11510E-06	489783.7	3624875.2	108.6	4.27	23.26	23.26	NO	
L0001573	0	0.11510E-06	489780.6	3624925.1	109.7	4.27	23.26	23.26	NO	
L0001574	0	0.11510E-06	489777.5	3624975.0	108.6	4.27	23.26	23.26	NO	
L0001575	0	0.11510E-06	489774.5	3625024.9	109.2	4.27	23.26	23.26	NO	
L0001576	0	0.57560E-07	489767.9	3625068.3	108.8	4.27	23.26	23.26	NO	
L0001577	0	0.57560E-07	489759.1	3625117.5	108.3	4.27	23.26	23.26	NO	
L0001578	0	0.57560E-07	489750.4	3625166.7	108.2	4.27	23.26	23.26	NO	
L0001579	0	0.57560E-07	489737.4	3625214.8	105.5	4.27	23.26	23.26	NO	
L0001580	0	0.57560E-07	489718.7	3625261.1	102.0	4.27	23.26	23.26	NO	
L0001581	0	0.57560E-07	489700.0	3625307.5	99.0	4.27	23.26	23.26	NO	
L0001582	0	0.57560E-07	489680.0	3625353.2	97.4	4.27	23.26	23.26	NO	
L0001583	0	0.57560E-07	489655.6	3625396.9	97.4	4.27	23.26	23.26	NO	
L0001584	0	0.57560E-07	489631.2	3625440.5	98.0	4.27	23.26	23.26	NO	
L0001585	0	0.57560E-07	489606.8	3625484.2	91.6	4.27	23.26	23.26	NO	
L0001586	0	0.57560E-07	489582.4	3625527.8	90.2	4.27	23.26	23.26	NO	
L0001587	0	0.57560E-07	489558.0	3625571.4	86.5	4.27	23.26	23.26	NO	
L0001588	0	0.57560E-07	489533.6	3625615.1	89.9	4.27	23.26	23.26	NO	
L0001589	0	0.57560E-07	489515.3	3625661.5	87.2	4.27	23.26	23.26	NO	
L0001590	0	0.57560E-07	489499.2	3625708.8	89.1	4.27	23.26	23.26	NO	
L0001591	0	0.57560E-07	489483.0	3625756.1	89.1	4.27	23.26	23.26	NO	
L0001592	0	0.57560E-07	489472.0	3625804.7	89.7	4.27	23.26	23.26	NO	
L0001593	0	0.57560E-07	489464.1	3625854.1	83.9	4.27	23.26	23.26	NO	
L0001594	0	0.57560E-07	489456.1	3625903.4	84.1	4.27	23.26	23.26	NO	
L0001595	0	0.57560E-07	489450.5	3625952.9	83.7	4.27	23.26	23.26	NO	
L0001596	0	0.57560E-07	489452.3	3626002.9	76.7	4.27	23.26	23.26	NO	
L0001597	0	0.57560E-07	489454.1	3626052.9	75.3	4.27	23.26	23.26	NO	
L0001598	0	0.57560E-07	489455.9	3626102.8	75.0	4.27	23.26	23.26	NO	
L0001599	0	0.57560E-07	489464.0	3626151.7	69.5	4.27	23.26	23.26	NO	
L0001600	0	0.57560E-07	489478.9	3626199.5	64.0	4.27	23.26	23.26	NO	
L0001601	0	0.57560E-07	489493.8	3626247.2	61.5	4.27	23.26	23.26	NO	
L0001602	0	0.57560E-07	489508.7	3626294.9	57.6	4.27	23.26	23.26	NO	
L0001603	0	0.57560E-07	489523.5	3626342.7	52.9	4.27	23.26	23.26	NO	
L0001604	0	0.57560E-07	489532.8	3626391.8	55.0	4.27	23.26	23.26	NO	
L0001605	0	0.57560E-07	489541.4	3626441.0	51.5	4.27	23.26	23.26	NO	
L0001606	0	0.57560E-07	489549.3	3626490.2	45.7	4.27	23.26	23.26	NO	
L0001607	0	0.57560E-07	489535.1	3626538.2	41.6	4.27	23.26	23.26	NO	



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\*\*\* VOLUME SOURCE DATA \*\*\*

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L0001608	0	0.57560E-07	489520.8	3626586.1	38.4	4.27	23.26	23.26	NO	
L0001609	0	0.57560E-07	489506.6	3626634.0	31.8	4.27	23.26	23.26	NO	
L0001610	0	0.57560E-07	489492.4	3626682.0	30.5	4.27	23.26	23.26	NO	
L0001611	0	0.57560E-07	489478.2	3626729.9	27.9	4.27	23.26	23.26	NO	
L0001712	0	0.13100E-06	486243.4	3619530.3	23.2	4.27	23.26	23.26	NO	
L0001713	0	0.13100E-06	486293.3	3619526.8	25.8	4.27	23.26	23.26	NO	
L0001714	0	0.13100E-06	486343.1	3619523.3	28.5	4.27	23.26	23.26	NO	
L0001715	0	0.13100E-06	486393.0	3619519.8	31.6	4.27	23.26	23.26	NO	
L0001716	0	0.13100E-06	486442.9	3619516.3	37.0	4.27	23.26	23.26	NO	
L0001717	0	0.13100E-06	486492.8	3619512.9	43.8	4.27	23.26	23.26	NO	
L0001718	0	0.13100E-06	486542.7	3619509.4	43.1	4.27	23.26	23.26	NO	
L0001719	0	0.13100E-06	486592.6	3619507.8	40.2	4.27	23.26	23.26	NO	
L0001720	0	0.13100E-06	486642.6	3619506.3	43.1	4.27	23.26	23.26	NO	
L0001721	0	0.13100E-06	486692.6	3619504.8	46.0	4.27	23.26	23.26	NO	
L0001722	0	0.13100E-06	486742.6	3619503.3	51.1	4.27	23.26	23.26	NO	
L0001723	0	0.13100E-06	486792.5	3619501.8	55.0	4.27	23.26	23.26	NO	
L0001724	0	0.13100E-06	486842.5	3619500.3	55.1	4.27	23.26	23.26	NO	
L0001625	0	0.14190E-06	486884.9	3619499.8	56.5	4.27	23.26	23.26	NO	
L0001626	0	0.14190E-06	486934.9	3619500.3	52.2	4.27	23.26	23.26	NO	
L0001627	0	0.14190E-06	486984.9	3619500.7	53.0	4.27	23.26	23.26	NO	
L0001628	0	0.14190E-06	487034.9	3619501.2	54.0	4.27	23.26	23.26	NO	
L0001629	0	0.14190E-06	487084.9	3619501.6	57.3	4.27	23.26	23.26	NO	
L0001630	0	0.14190E-06	487134.9	3619502.0	50.7	4.27	23.26	23.26	NO	
L0001631	0	0.14190E-06	487184.9	3619502.5	50.6	4.27	23.26	23.26	NO	
L0001632	0	0.14190E-06	487234.9	3619502.9	53.1	4.27	23.26	23.26	NO	
L0001633	0	0.14190E-06	487284.9	3619503.4	54.9	4.27	23.26	23.26	NO	
L0001634	0	0.14190E-06	487334.9	3619503.8	57.9	4.27	23.26	23.26	NO	
L0001635	0	0.14190E-06	487384.9	3619504.3	51.6	4.27	23.26	23.26	NO	
L0001636	0	0.14190E-06	487434.9	3619504.7	47.6	4.27	23.26	23.26	NO	
L0001637	0	0.12740E-06	487486.1	3619507.2	44.5	4.27	23.26	23.26	NO	
L0001638	0	0.12740E-06	487536.1	3619509.7	47.2	4.27	23.26	23.26	NO	
L0001639	0	0.12740E-06	487586.0	3619512.2	48.0	4.27	23.26	23.26	NO	
L0001640	0	0.12740E-06	487635.8	3619516.6	48.5	4.27	23.26	23.26	NO	
L0001641	0	0.12740E-06	487685.6	3619521.4	47.8	4.27	23.26	23.26	NO	
L0001642	0	0.12740E-06	487735.3	3619526.2	47.0	4.27	23.26	23.26	NO	
L0001643	0	0.12740E-06	487784.2	3619535.9	48.6	4.27	23.26	23.26	NO	
L0001644	0	0.12740E-06	487832.6	3619548.4	51.7	4.27	23.26	23.26	NO	
L0001645	0	0.12740E-06	487881.0	3619560.9	52.4	4.27	23.26	23.26	NO	
L0001646	0	0.12740E-06	487929.0	3619574.8	54.1	4.27	23.26	23.26	NO	
L0001647	0	0.12740E-06	487976.1	3619591.7	54.3	4.27	23.26	23.26	NO	

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\*\*\* VOLUME SOURCE DATA \*\*\*

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0001648	0	0.12740E-06	488023.1	3619608.7	52.2	4.27	23.26	23.26	NO	
L0001649	0	0.12740E-06	488070.2	3619625.6	53.0	4.27	23.26	23.26	NO	
L0001650	0	0.12740E-06	488117.2	3619642.5	54.1	4.27	23.26	23.26	NO	
L0001651	0	0.12740E-06	488164.3	3619659.4	48.3	4.27	23.26	23.26	NO	
L0001652	0	0.17800E-06	488197.8	3619673.6	45.4	4.27	23.26	23.26	NO	
L0001653	0	0.17800E-06	488245.1	3619690.0	41.6	4.27	23.26	23.26	NO	
L0001654	0	0.17800E-06	488292.3	3619706.3	37.5	4.27	23.26	23.26	NO	
L0001655	0	0.17800E-06	488339.5	3619722.7	36.7	4.27	23.26	23.26	NO	
L0001656	0	0.17800E-06	488386.8	3619739.1	34.8	4.27	23.26	23.26	NO	
L0001657	0	0.17800E-06	488434.0	3619755.4	33.9	4.27	23.26	23.26	NO	
L0001658	0	0.17800E-06	488481.3	3619771.8	31.7	4.27	23.26	23.26	NO	
L0001659	0	0.17800E-06	488528.5	3619788.2	31.9	4.27	23.26	23.26	NO	
L0001660	0	0.17800E-06	488575.8	3619804.5	29.0	4.27	23.26	23.26	NO	
L0001661	0	0.17800E-06	488624.1	3619817.3	30.8	4.27	23.26	23.26	NO	
L0001662	0	0.17800E-06	488672.6	3619829.4	29.9	4.27	23.26	23.26	NO	
L0001663	0	0.17800E-06	488721.1	3619841.5	30.2	4.27	23.26	23.26	NO	
L0001664	0	0.17800E-06	488769.7	3619853.5	28.5	4.27	23.26	23.26	NO	
L0001665	0	0.17800E-06	488818.2	3619865.6	27.4	4.27	23.26	23.26	NO	
L0001666	0	0.17800E-06	488866.7	3619877.6	26.5	4.27	23.26	23.26	NO	
L0001667	0	0.17800E-06	488915.2	3619889.7	23.8	4.27	23.26	23.26	NO	
L0001668	0	0.20340E-06	488979.1	3619906.0	23.6	4.27	23.26	23.26	NO	
L0001669	0	0.20340E-06	489027.9	3619916.8	25.9	4.27	23.26	23.26	NO	
L0001670	0	0.20340E-06	489076.8	3619927.5	25.2	4.27	23.26	23.26	NO	
L0001671	0	0.20340E-06	489125.6	3619938.2	27.0	4.27	23.26	23.26	NO	
L0001672	0	0.20340E-06	489174.4	3619948.9	25.4	4.27	23.26	23.26	NO	
L0001673	0	0.20340E-06	489223.3	3619959.6	23.6	4.27	23.26	23.26	NO	
L0001674	0	0.20340E-06	489272.1	3619970.3	25.8	4.27	23.26	23.26	NO	
L0001675	0	0.20340E-06	489320.9	3619981.1	29.0	4.27	23.26	23.26	NO	
L0001676	0	0.20340E-06	489369.8	3619991.8	30.4	4.27	23.26	23.26	NO	
L0001677	0	0.20340E-06	489418.6	3620002.5	28.1	4.27	23.26	23.26	NO	
L0001678	0	0.20340E-06	489467.5	3620013.2	27.9	4.27	23.26	23.26	NO	
L0001679	0	0.20340E-06	489516.3	3620023.9	30.3	4.27	23.26	23.26	NO	
L0001680	0	0.20340E-06	489565.1	3620034.6	30.1	4.27	23.26	23.26	NO	
L0001681	0	0.20340E-06	489614.0	3620045.4	33.1	4.27	23.26	23.26	NO	
L0001682	0	0.18990E-06	489662.2	3620051.2	34.9	4.27	23.26	23.26	NO	
L0001683	0	0.18990E-06	489712.2	3620052.0	37.4	4.27	23.26	23.26	NO	
L0001684	0	0.18990E-06	489762.2	3620052.8	39.7	4.27	23.26	23.26	NO	
L0001685	0	0.18990E-06	489812.2	3620053.6	39.5	4.27	23.26	23.26	NO	
L0001686	0	0.18990E-06	489862.2	3620054.5	35.8	4.27	23.26	23.26	NO	
L0001687	0	0.18990E-06	489912.2	3620055.3	38.4	4.27	23.26	23.26	NO	

\*\*\* AERMOD - VERSION 14134 \*\*\*  
\*\*\* AERMET - VERSION 14134 \*\*\*

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\*\*\* 03/30/15  
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PAGE 22

\*\*MODELOPTs: NonDEFAULT CONC FLAT and ELEV

\*\*\* VOLUME SOURCE DATA \*\*\*

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0001688	0	0.18990E-06	489961.7	3620061.8	37.9	4.27	23.26	23.26	NO	
L0001689	0	0.18990E-06	490010.8	3620070.7	39.7	4.27	23.26	23.26	NO	
L0001690	0	0.18990E-06	490059.5	3620082.3	41.5	4.27	23.26	23.26	NO	
L0001691	0	0.18990E-06	490108.1	3620093.8	44.1	4.27	23.26	23.26	NO	
L0001692	0	0.18990E-06	490156.8	3620105.3	44.4	4.27	23.26	23.26	NO	
L0001693	0	0.18990E-06	490205.4	3620116.9	44.2	4.27	23.26	23.26	NO	
L0001694	0	0.18990E-06	490254.2	3620127.9	43.8	4.27	23.26	23.26	NO	
L0001695	0	0.18990E-06	490303.9	3620133.5	46.3	4.27	23.26	23.26	NO	
L0001696	0	0.18990E-06	490353.5	3620139.0	45.5	4.27	23.26	23.26	NO	

\*\*MODELOPTs: NonDEFAULT CONC FLAT and ELEV

\*\*\* SOURCE IDs DEFINING SOURCE GROUPS \*\*\*

SRCGROUP ID	SOURCE IDs															
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ALL	L0000877	,	L0000878	,	L0000879	,	L0000880	,	L0000881	,	L0000882	,	L0000883	,	L0000884	,
	L0000885	,	L0000886	,	L0000887	,	L0000888	,	L0000889	,	L0000890	,	L0000891	,	L0000892	,
	L0000893	,	L0000894	,	L0000895	,	L0000896	,	L0000897	,	L0000898	,	L0000899	,	L0000900	,
	L0000901	,	L0000902	,	L0000903	,	L0000904	,	L0000905	,	L0000906	,	L0000907	,	L0000908	,
	L0000909	,	L0000910	,	L0000911	,	L0000912	,	L0000913	,	L0000914	,	L0000915	,	L0000916	,
	L0000917	,	L0000918	,	L0000919	,	L0000920	,	L0000921	,	L0000922	,	L0000923	,	L0000924	,
	L0000925	,	L0000926	,	L0000927	,	L0000928	,	L0000929	,	L0000930	,	L0000931	,	L0000932	,
	L0000933	,	L0000934	,	L0000935	,	L0000936	,	L0000937	,	L0000938	,	L0000939	,	L0000940	,
	L0000941	,	L0000942	,	L0000943	,	L0000944	,	L0000945	,	L0000946	,	L0000947	,	L0000948	,
	L0000949	,	L0000950	,	L0000951	,	L0000952	,	L0000953	,	L0000954	,	L0000955	,	L0000956	,
	L0000957	,	L0000958	,	L0000959	,	L0000960	,	L0000961	,	L0000962	,	L0000963	,	L0000964	,
	L0000965	,	L0000966	,	L0000967	,	L0000968	,	L0000969	,	L0000970	,	L0000971	,	L0000972	,
	L0000973	,	L0000974	,	L0000975	,	L0000976	,	L0000977	,	L0000978	,	L0000979	,	L0000980	,
	L0000981	,	L0000982	,	L0000983	,	L0000984	,	L0000985	,	L0000986	,	L0000987	,	L0000988	,
	L0000989	,	L0000990	,	L0000991	,	L0000992	,	L0000993	,	L0000994	,	L0000995	,	L0000996	,
	L0000997	,	L0000998	,	L0000999	,	L0001000	,	L0001001	,	L0001002	,	L0001003	,	L0001004	,
	L0001005	,	L0001006	,	L0001007	,	L0001008	,	L0001009	,	L0001010	,	L0001011	,	L0001012	,
	L0001013	,	L0001014	,	L0001015	,	L0001016	,	L0001017	,	L0001018	,	L0001019	,	L0001020	,
	L0001021	,	L0001022	,	L0001023	,	L0001024	,	L0001025	,	L0001026	,	L0001027	,	L0001028	,
	L0001029	,	L0001030	,	L0001031	,	L0001032	,	L0001033	,	L0001034	,	L0001035	,	L0001036	,

\*\*MODELOPTs: NonDEFAULT CONC FLAT and ELEV

\*\*\* SOURCE IDs DEFINING SOURCE GROUPS \*\*\*

SRCGROUP ID  
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SOURCE IDs  
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L0001037	,	L0001038	,	L0001039	,	L0001040	,	L0001041	,	L0001042	,	L0001043	,	L0001044	,
L0001045	,	L0001046	,	L0001047	,	L0001048	,	L0001049	,	L0001050	,	L0001051	,	L0001052	,
L0001053	,	L0001054	,	L0001055	,	L0001088	,	L0001089	,	L0001090	,	L0001091	,	L0001092	,
L0001093	,	L0001094	,	L0001095	,	L0001096	,	L0001097	,	L0001098	,	L0001067	,	L0001068	,
L0001069	,	L0001070	,	L0001071	,	L0001072	,	L0001073	,	L0001074	,	L0001075	,	L0001076	,
L0001077	,	L0001078	,	L0001079	,	L0001080	,	L0001081	,	L0001082	,	L0001083	,	L0001084	,
L0001085	,	L0001086	,	L0001087	,	L0001099	,	L0001100	,	L0001101	,	L0001102	,	L0001103	,
L0001104	,	L0001105	,	L0001106	,	L0001107	,	L0001108	,	L0001109	,	L0001110	,	L0001111	,
L0001112	,	L0001113	,	L0001114	,	L0001115	,	L0001116	,	L0001117	,	L0001118	,	L0001119	,
L0001120	,	L0001121	,	L0001122	,	L0001123	,	L0001124	,	L0001125	,	L0001126	,	L0001127	,
L0001128	,	L0001129	,	L0001130	,	L0001131	,	L0001132	,	L0001133	,	L0001134	,	L0001135	,
L0001136	,	L0001137	,	L0001138	,	L0001139	,	L0001140	,	L0001141	,	L0001142	,	L0001143	,
L0001144	,	L0001145	,	L0001146	,	L0001147	,	L0001148	,	L0001149	,	L0001150	,	L0001151	,
L0001152	,	L0001153	,	L0001154	,	L0001155	,	L0001156	,	L0001157	,	L0001158	,	L0001159	,
L0001160	,	L0001161	,	L0001162	,	L0001163	,	L0001164	,	L0001165	,	L0001166	,	L0001167	,
L0001168	,	L0001169	,	L0001170	,	L0001171	,	L0001172	,	L0001173	,	L0001174	,	L0001175	,
L0001176	,	L0001177	,	L0001178	,	L0001179	,	L0001180	,	L0001181	,	L0001182	,	L0001183	,
L0001184	,	L0001185	,	L0001186	,	L0001187	,	L0001188	,	L0001189	,	L0001190	,	L0001191	,
L0001192	,	L0001193	,	L0001194	,	L0001195	,	L0001196	,	L0001197	,	L0001198	,	L0001199	,
L0001200	,	L0001201	,	L0001202	,	L0001203	,	L0001204	,	L0001205	,	L0001206	,	L0001207	,

\*\*MODELOPTs: NonDEFAULT CONC FLAT and ELEV

\*\*\* SOURCE IDs DEFINING SOURCE GROUPS \*\*\*

SRCGROUP ID  
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SOURCE IDs  
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L0001208	,	L0001209	,	L0001210	,	L0001211	,	L0001212	,	L0001213	,	L0001214	,	L0001215	,
L0001216	,	L0001217	,	L0001218	,	L0001219	,	L0001220	,	L0001221	,	L0001222	,	L0001223	,
L0001224	,	L0001225	,	L0001226	,	L0001227	,	L0001228	,	L0001229	,	L0001230	,	L0001231	,
L0001232	,	L0001233	,	L0001234	,	L0001235	,	L0001236	,	L0001237	,	L0001238	,	L0001239	,
L0001240	,	L0001241	,	L0001242	,	L0001243	,	L0001244	,	L0001245	,	L0001246	,	L0001247	,
L0001248	,	L0001249	,	L0001250	,	L0001251	,	L0001252	,	L0001253	,	L0001254	,	L0001255	,
L0001256	,	L0001257	,	L0001258	,	L0001259	,	L0001260	,	L0001261	,	L0001262	,	L0001263	,
L0001264	,	L0001265	,	L0001266	,	L0001267	,	L0001268	,	L0001269	,	L0001270	,	L0001271	,
L0001272	,	L0001273	,	L0001274	,	L0001275	,	L0001276	,	L0001277	,	L0001278	,	L0001279	,
L0001280	,	L0001281	,	L0001282	,	L0001283	,	L0001284	,	L0001285	,	L0001286	,	L0001287	,
L0001288	,	L0001289	,	L0001290	,	L0001291	,	L0001292	,	L0001293	,	L0001294	,	L0001295	,
L0001296	,	L0001297	,	L0001298	,	L0001299	,	L0001300	,	L0001301	,	L0001302	,	L0001303	,
L0001304	,	L0001305	,	L0001306	,	L0001307	,	L0001308	,	L0001309	,	L0001310	,	L0001311	,
L0001312	,	L0001313	,	L0001314	,	L0001315	,	L0001316	,	L0001317	,	L0001318	,	L0001319	,
L0001320	,	L0001321	,	L0001322	,	L0001323	,	L0001324	,	L0001325	,	L0001326	,	L0001327	,
L0001328	,	L0001329	,	L0001330	,	L0001331	,	L0001332	,	L0001333	,	L0001334	,	L0001335	,
L0001336	,	L0001337	,	L0001338	,	L0001339	,	L0001340	,	L0001341	,	L0001342	,	L0001343	,
L0001344	,	L0001345	,	L0001346	,	L0001347	,	L0001348	,	L0001349	,	L0001350	,	L0001351	,
L0001352	,	L0001353	,	L0001354	,	L0001355	,	L0001356	,	L0001357	,	L0001358	,	L0001359	,
L0001360	,	L0001361	,	L0001362	,	L0001363	,	L0001364	,	L0001365	,	L0001366	,	L0001367	,

\*\*MODELOPTs: NonDEFAULT CONC FLAT and ELEV

\*\*\* SOURCE IDs DEFINING SOURCE GROUPS \*\*\*

SRCGROUP ID  
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SOURCE IDs  
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L0001368 , L0001369 , L0001370 , L0001371 , L0001372 , L0001373 , L0001374 , L0001375 ,  
L0001376 , L0001377 , L0001378 , L0001379 , L0001380 , L0001381 , L0001382 , L0001383 ,  
L0001384 , L0001385 , L0001386 , L0001387 , L0001388 , L0001389 , L0001390 , L0001391 ,  
L0001392 , L0001393 , L0001394 , L0001395 , L0001396 , L0001397 , L0001398 , L0001399 ,  
L0001400 , L0001401 , L0001402 , L0001403 , L0001404 , L0001405 , L0001406 , L0001407 ,  
L0001408 , L0001409 , L0001410 , L0001411 , L0001412 , L0001413 , L0001414 , L0001415 ,  
L0001416 , L0001417 , L0001418 , L0001419 , L0001420 , L0001421 , L0001422 , L0001423 ,  
L0001424 , L0001425 , L0001426 , L0001427 , L0001428 , L0001429 , L0001430 , L0001431 ,  
L0001432 , L0001433 , L0001434 , L0001435 , L0001436 , L0001437 , L0001438 , L0001439 ,  
L0001440 , L0001441 , L0001442 , L0001443 , L0001444 , L0001445 , L0001446 , L0001447 ,  
L0001448 , L0001449 , L0001450 , L0001451 , L0001452 , L0001453 , L0001454 , L0001455 ,  
L0001456 , L0001457 , L0001458 , L0001459 , L0001460 , L0001461 , L0001462 , L0001463 ,  
L0001464 , L0001465 , L0001466 , L0001467 , L0001468 , L0001469 , L0001470 , L0001471 ,  
L0001472 , L0001473 , L0001474 , L0001475 , L0001476 , L0001477 , L0001478 , L0001479 ,  
L0001480 , L0001481 , L0001482 , L0001483 , L0001484 , L0001485 , L0001486 , L0001487 ,  
L0001488 , L0001489 , L0001490 , L0001491 , L0001492 , L0001493 , L0001494 , L0001495 ,  
L0001496 , L0001497 , L0001498 , L0001499 , L0001500 , L0001501 , L0001502 , L0001503 ,  
L0001504 , L0001505 , L0001506 , L0001507 , L0001508 , L0001509 , L0001510 , L0001511 ,  
L0001512 , L0001513 , L0001514 , L0001515 , L0001516 , L0001517 , L0001518 , L0001519 ,  
L0001520 , L0001521 , L0001522 , L0001523 , L0001524 , L0001525 , L0001526 , L0001527 ,

\*\*MODELOPTs: NonDEFAULT CONC FLAT and ELEV

\*\*\* SOURCE IDs DEFINING SOURCE GROUPS \*\*\*

SRCGROUP ID  
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SOURCE IDs  
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L0001528	,	L0001529	,	L0001530	,	L0001531	,	L0001532	,	L0001533	,	L0001534	,	L0001535	,
L0001536	,	L0001537	,	L0001538	,	L0001539	,	L0001540	,	L0001541	,	L0001542	,	L0001543	,
L0001544	,	L0001545	,	L0001546	,	L0001547	,	L0001548	,	L0001549	,	L0001550	,	L0001551	,
L0001552	,	L0001553	,	L0001554	,	L0001555	,	L0001556	,	L0001557	,	L0001558	,	L0001559	,
L0001560	,	L0001561	,	L0001562	,	L0001563	,	L0001564	,	L0001565	,	L0001566	,	L0001567	,
L0001568	,	L0001569	,	L0001570	,	L0001571	,	L0001572	,	L0001573	,	L0001574	,	L0001575	,
L0001576	,	L0001577	,	L0001578	,	L0001579	,	L0001580	,	L0001581	,	L0001582	,	L0001583	,
L0001584	,	L0001585	,	L0001586	,	L0001587	,	L0001588	,	L0001589	,	L0001590	,	L0001591	,
L0001592	,	L0001593	,	L0001594	,	L0001595	,	L0001596	,	L0001597	,	L0001598	,	L0001599	,
L0001600	,	L0001601	,	L0001602	,	L0001603	,	L0001604	,	L0001605	,	L0001606	,	L0001607	,
L0001608	,	L0001609	,	L0001610	,	L0001611	,	L0001712	,	L0001713	,	L0001714	,	L0001715	,
L0001716	,	L0001717	,	L0001718	,	L0001719	,	L0001720	,	L0001721	,	L0001722	,	L0001723	,
L0001724	,	L0001625	,	L0001626	,	L0001627	,	L0001628	,	L0001629	,	L0001630	,	L0001631	,
L0001632	,	L0001633	,	L0001634	,	L0001635	,	L0001636	,	L0001637	,	L0001638	,	L0001639	,
L0001640	,	L0001641	,	L0001642	,	L0001643	,	L0001644	,	L0001645	,	L0001646	,	L0001647	,
L0001648	,	L0001649	,	L0001650	,	L0001651	,	L0001652	,	L0001653	,	L0001654	,	L0001655	,
L0001656	,	L0001657	,	L0001658	,	L0001659	,	L0001660	,	L0001661	,	L0001662	,	L0001663	,
L0001664	,	L0001665	,	L0001666	,	L0001667	,	L0001668	,	L0001669	,	L0001670	,	L0001671	,
L0001672	,	L0001673	,	L0001674	,	L0001675	,	L0001676	,	L0001677	,	L0001678	,	L0001679	,
L0001680	,	L0001681	,	L0001682	,	L0001683	,	L0001684	,	L0001685	,	L0001686	,	L0001687	,



\*\*\* AERMOD - VERSION 14134 \*\*\*  
\*\*\* AERMET - VERSION 14134 \*\*\*

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\*\*\* 03/30/15  
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PAGE 28

\*\*MODELOPTs: NonDEFAULT CONC FLAT and ELEV

\*\*\* SOURCE IDs DEFINING SOURCE GROUPS \*\*\*

SRCGROUP ID  
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SOURCE IDs  
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L0001688 , L0001689 , L0001690 , L0001691 , L0001692 , L0001693 , L0001694 , L0001695 ,  
L0001696 ,

\*\*MODELOPTs: NonDEFAULT CONC FLAT and ELEV

\*\*\* GRIDDED RECEPTOR NETWORK SUMMARY \*\*\*

\*\*\* NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART \*\*\*

\*\*\* X-COORDINATES OF GRID \*\*\*  
(METERS)

479616.6, 479816.6, 480016.6, 480216.6, 480416.6, 480616.6, 480816.6, 481016.6, 481216.6, 481416.6,  
481616.6, 481816.6, 482016.6, 482216.6, 482416.6, 482616.6, 482816.6, 483016.6, 483216.6, 483416.6,  
483616.6, 483816.6, 484016.6, 484216.6, 484416.6, 484616.6, 484816.6, 485016.6, 485216.6, 485416.6,  
485616.6, 485816.6, 486016.6, 486216.6, 486416.6, 486616.6, 486816.6, 487016.6, 487216.6, 487416.6,  
487616.6, 487816.6, 488016.6, 488216.6, 488416.6, 488616.6, 488816.6, 489016.6, 489216.6, 489416.6,  
489616.6, 489816.6, 490016.6, 490216.6, 490416.6, 490616.6, 490816.6, 491016.6, 491216.6, 491416.6,  
491616.6, 491816.6, 492016.6, 492216.6, 492416.6, 492616.6, 492816.6, 493016.6, 493216.6, 493416.6,  
493616.6, 493816.6, 494016.6, 494216.6, 494416.6,

\*\*\* Y-COORDINATES OF GRID \*\*\*  
(METERS)

3618352.2, 3618552.2, 3618752.2, 3618952.2, 3619152.2, 3619352.2, 3619552.2, 3619752.2, 3619952.2, 3620152.2,  
3620352.2, 3620552.2, 3620752.2, 3620952.2, 3621152.2, 3621352.2, 3621552.2, 3621752.2, 3621952.2, 3622152.2,  
3622352.2, 3622552.2, 3622752.2, 3622952.2, 3623152.2, 3623352.2, 3623552.2, 3623752.2, 3623952.2, 3624152.2,  
3624352.2, 3624552.2, 3624752.2, 3624952.2, 3625152.2, 3625352.2, 3625552.2, 3625752.2, 3625952.2, 3626152.2,  
3626352.2, 3626552.2, 3626752.2, 3626952.2, 3627152.2, 3627352.2, 3627552.2, 3627752.2, 3627952.2, 3628152.2,

\*\*MODELOPTs: NonDEFAULT CONC FLAT and ELEV

\*\*\* NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART \*\*\*

\* ELEVATION HEIGHTS IN METERS \*

Y-COORD (METERS)	X-COORD (METERS)								
	479616.60	479816.60	480016.60	480216.60	480416.60	480616.60	480816.60	481016.60	481216.60
3628152.16	0.00	0.00	0.00	0.00	1.00	10.30	23.10	27.00	34.40
3627952.16	0.00	0.00	0.00	0.00	1.80	9.30	10.10	20.40	42.40
3627752.16	0.20	0.50	-0.20	0.00	0.00	3.70	11.00	19.00	40.60
3627552.16	-1.80	2.80	0.00	0.00	0.50	2.30	9.50	19.00	29.60
3627352.16	4.70	0.00	0.00	0.00	0.70	2.50	9.30	18.80	37.10
3627152.16	5.50	0.00	0.00	5.40	3.70	5.50	11.40	17.90	36.00
3626952.16	6.00	0.10	0.00	3.40	2.70	8.70	12.00	19.10	35.60
3626752.16	-0.60	4.60	0.00	3.50	0.50	10.70	14.60	20.90	19.00
3626552.16	0.00	0.10	0.00	0.00	2.00	5.50	13.10	8.40	9.00
3626352.16	2.90	0.00	0.00	0.00	2.40	1.10	3.10	4.90	8.10
3626152.16	6.50	1.10	0.00	0.00	-2.80	5.40	3.80	4.30	26.70
3625952.16	-2.00	2.10	4.90	0.00	6.00	2.20	3.30	7.00	15.80
3625752.16	1.50	4.30	7.00	0.00	-1.20	3.30	3.60	7.00	9.30
3625552.16	0.30	13.80	4.20	0.00	4.80	0.90	4.80	8.10	10.20
3625352.16	0.00	0.00	0.00	6.60	5.20	7.40	5.70	5.00	8.00
3625152.16	1.50	5.90	4.40	4.40	4.80	2.70	8.00	6.60	3.00
3624952.16	6.20	7.10	6.00	4.70	2.50	-1.80	2.80	2.10	7.60
3624752.16	2.30	1.00	2.00	-4.60	0.80	-2.40	-3.40	4.50	5.30
3624552.16	3.00	4.10	-0.20	2.80	3.10	2.40	7.70	8.60	3.60
3624352.16	3.40	2.90	4.40	2.90	4.90	2.60	6.10	7.80	5.20
3624152.16	6.60	3.90	4.90	5.30	2.90	2.60	1.90	1.90	3.60
3623952.16	6.10	4.00	6.10	4.10	6.70	4.00	4.70	-0.20	3.60
3623752.16	7.80	4.10	5.90	7.20	7.20	5.00	3.30	3.90	2.60
3623552.16	13.30	6.00	8.00	8.90	4.00	3.50	4.10	0.20	1.60
3623352.16	14.20	16.90	9.20	13.00	5.30	5.60	3.50	0.80	3.30
3623152.16	22.90	19.80	24.10	13.80	3.50	1.20	1.60	4.40	4.50
3622952.16	27.50	23.10	19.50	8.70	6.10	2.40	3.20	1.70	8.10
3622752.16	27.70	23.60	20.70	6.30	1.20	-1.90	0.60	3.50	2.60
3622552.16	23.20	17.10	8.50	6.00	4.20	1.40	4.90	3.60	1.50
3622352.16	20.00	11.10	6.60	4.90	-0.10	-2.10	3.00	4.70	3.10
3622152.16	8.30	5.20	5.60	3.90	0.00	0.10	-2.40	5.80	2.80
3621952.16	6.70	4.10	4.90	0.00	3.60	2.60	0.10	-7.00	-5.10
3621752.16	5.90	-0.80	3.90	0.80	4.80	-0.30	-1.70	2.70	5.50
3621552.16	5.90	4.10	0.00	-0.10	3.90	3.00	7.80	3.10	8.00
3621352.16	3.70	2.30	2.30	2.60	3.20	4.20	5.00	3.70	5.00
3621152.16	6.70	1.10	0.20	0.00	0.00	0.00	0.00	0.00	1.00
3620952.16	4.00	3.20	2.70	0.50	-0.20	1.30	-0.80	5.10	1.60
3620752.16	4.80	0.00	7.00	5.30	0.20	0.00	0.00	0.00	0.00
3620552.16	4.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3620352.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

\*\*\* AERMOD - VERSION 14134 \*\*\*  
\*\*\* AERMET - VERSION 14134 \*\*\*

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\*\*\* 03/30/15  
\*\*\* 00:41:26  
PAGE 31

\*\*MODELOPTs: NonDEFAULT CONC FLAT and ELEV

\*\*\* NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART \*\*\*

\* ELEVATION HEIGHTS IN METERS \*

Y-COORD (METERS)	X-COORD (METERS)								
	479616.60	479816.60	480016.60	480216.60	480416.60	480616.60	480816.60	481016.60	481216.60
3620152.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3619952.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3619752.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3619552.16	0.00	0.00	0.00	0.00	0.00	0.00	0.30	7.40	3.20
3619352.16	0.00	0.00	0.90	16.10	-17.90	2.00	-0.50	3.00	4.90
3619152.16	4.70	9.90	14.30	4.60	5.00	6.20	5.40	10.10	7.40
3618952.16	5.20	5.00	0.60	-5.50	7.00	5.30	6.50	8.20	4.70
3618752.16	7.40	8.90	-5.90	-23.60	2.10	8.50	23.00	8.80	9.10
3618552.16	10.30	2.00	15.20	-8.80	16.30	12.50	10.20	13.90	10.60
3618352.16	11.20	1.80	23.60	28.20	9.20	9.30	7.30	8.90	10.60

\*\*\* AERMOD - VERSION 14134 \*\*\*  
\*\*\* AERMET - VERSION 14134 \*\*\*

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\*\*\* 03/30/15  
\*\*\* 00:41:26  
\*\*\* PAGE 32

\*\*MODELOPTs: NonDEFAULT CONC FLAT and ELEV

\*\*\* NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART \*\*\*

\* ELEVATION HEIGHTS IN METERS \*

Y-COORD (METERS)	X-COORD (METERS)								
	481416.60	481616.60	481816.60	482016.60	482216.60	482416.60	482616.60	482816.60	483016.60
3628152.16	61.10	65.30	83.40	92.60	76.70	37.90	69.40	85.10	92.80
3627952.16	55.70	59.50	75.30	86.00	94.50	34.40	65.90	74.10	86.30
3627752.16	36.90	57.40	72.10	80.00	93.90	46.10	44.50	77.10	57.10
3627552.16	52.90	44.40	54.70	65.10	88.10	83.50	28.70	48.30	71.90
3627352.16	50.00	53.10	71.60	78.90	83.70	92.50	34.40	36.50	65.40
3627152.16	54.50	62.80	75.20	80.10	82.00	88.20	61.40	26.90	45.90
3626952.16	45.90	48.80	74.10	67.00	68.60	88.00	75.30	25.40	52.30
3626752.16	25.40	31.50	47.70	63.80	79.00	69.10	27.00	29.90	54.20
3626552.16	8.30	13.00	19.30	37.50	65.80	28.00	23.00	40.80	53.90
3626352.16	14.20	45.50	18.20	15.70	15.90	21.60	53.60	65.40	70.40
3626152.16	46.50	60.90	61.70	50.20	51.70	61.30	58.50	67.60	79.40
3625952.16	39.00	48.30	58.30	69.20	74.00	72.60	66.20	79.90	80.50
3625752.16	20.80	38.10	50.50	40.20	45.60	60.60	71.80	50.30	63.40
3625552.16	9.70	13.40	15.00	21.10	27.00	36.40	38.50	31.40	44.60
3625352.16	5.90	8.00	8.60	14.10	12.20	17.90	12.10	9.30	16.00
3625152.16	6.20	6.20	8.90	7.90	16.20	15.70	6.40	6.30	6.90
3624952.16	4.20	4.90	5.00	7.00	6.00	1.70	5.40	4.80	4.70
3624752.16	15.00	6.10	15.50	9.00	8.00	8.40	9.60	14.90	11.40
3624552.16	5.40	5.70	44.80	30.10	54.60	55.10	31.90	17.50	14.60
3624352.16	5.10	9.90	46.70	63.00	57.40	79.20	80.60	63.40	49.00
3624152.16	8.10	11.90	31.00	66.70	75.10	82.50	83.00	66.60	88.50
3623952.16	6.30	8.60	17.30	38.00	69.00	72.50	82.40	80.70	87.30
3623752.16	8.00	9.70	11.10	34.80	62.00	80.00	87.00	87.50	87.80
3623552.16	5.20	4.40	12.00	20.60	48.70	77.60	80.40	83.80	81.90
3623352.16	4.00	9.10	6.10	20.80	42.20	60.80	69.60	66.50	61.60
3623152.16	0.50	5.60	4.90	3.30	21.80	33.80	47.10	35.60	65.70
3622952.16	3.50	4.20	9.00	5.80	3.10	9.20	22.60	31.70	36.40
3622752.16	3.20	6.40	7.70	9.50	1.10	4.40	6.20	20.00	24.00
3622552.16	7.10	0.70	4.10	6.60	1.20	1.70	5.70	5.50	8.50
3622352.16	3.60	4.10	1.50	4.30	3.50	4.60	2.70	3.40	2.60
3622152.16	2.60	1.40	2.60	10.80	6.80	8.10	7.90	4.60	-14.80
3621952.16	-8.30	6.70	6.00	-2.70	3.00	9.00	15.80	2.90	1.80
3621752.16	2.60	-4.00	-6.20	-18.60	-17.20	-9.00	13.50	20.20	-1.60
3621552.16	4.40	6.50	4.40	5.00	2.80	4.30	-7.70	6.00	-1.80
3621352.16	4.30	3.70	4.40	6.20	5.70	4.40	2.60	4.10	-2.20
3621152.16	6.90	4.70	3.90	6.90	3.20	2.50	14.80	2.90	3.80
3620952.16	9.70	3.60	0.80	2.50	0.60	0.00	0.00	2.00	0.40
3620752.16	0.00	0.00	0.00	0.80	0.30	0.00	0.00	0.00	0.00
3620552.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3620352.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

\*\*\* AERMOD - VERSION 14134 \*\*\*  
\*\*\* AERMET - VERSION 14134 \*\*\*

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\*\*\* 03/30/15  
\*\*\* 00:41:26  
PAGE 33

\*\*MODELOPTs: NonDEFAULT CONC FLAT and ELEV

\*\*\* NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART \*\*\*

\* ELEVATION HEIGHTS IN METERS \*

Y-COORD (METERS)	X-COORD (METERS)								
	481416.60	481616.60	481816.60	482016.60	482216.60	482416.60	482616.60	482816.60	483016.60
3620152.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3619952.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3619752.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3619552.16	4.40	1.90	6.80	1.30	0.00	0.00	0.00	0.00	0.00
3619352.16	7.20	3.10	8.30	4.40	7.10	0.00	0.00	0.00	0.00
3619152.16	5.80	5.60	9.40	6.90	3.00	0.00	0.00	0.00	0.00
3618952.16	8.70	11.50	15.70	7.50	3.90	0.00	0.00	0.00	0.00
3618752.16	10.40	8.90	11.40	9.10	4.30	7.30	0.20	0.00	0.00
3618552.16	5.60	14.90	11.40	6.40	5.90	4.70	7.80	7.60	0.00
3618352.16	-10.30	11.10	13.30	6.50	4.90	2.90	5.00	10.00	4.10

\*\*\* AERMOD - VERSION 14134 \*\*\*  
\*\*\* AERMET - VERSION 14134 \*\*\*

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\*\*\* 03/30/15  
\*\*\* 00:41:26  
\*\*\* PAGE 34

\*\*MODELOPTs: NonDEFAULT CONC FLAT and ELEV

\*\*\* NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART \*\*\*

\* ELEVATION HEIGHTS IN METERS \*

Y-COORD (METERS)	X-COORD (METERS)								
	483216.60	483416.60	483616.60	483816.60	484016.60	484216.60	484416.60	484616.60	484816.60
3628152.16	91.80	97.70	109.30	112.80	104.30	108.70	109.40	106.80	107.90
3627952.16	80.50	88.70	103.10	113.70	108.10	108.70	105.50	104.10	107.30
3627752.16	81.90	88.70	99.50	110.20	108.10	104.00	103.50	101.80	104.00
3627552.16	87.30	70.50	98.60	113.90	111.50	109.00	101.40	95.50	102.10
3627352.16	54.60	64.40	88.20	108.40	111.00	106.70	98.30	86.70	94.70
3627152.16	59.40	78.40	95.00	108.20	110.30	111.50	98.30	74.20	80.40
3626952.16	74.90	88.00	92.90	104.60	110.20	103.70	103.10	89.90	59.60
3626752.16	62.30	82.00	90.70	104.20	111.50	98.30	94.70	70.80	49.50
3626552.16	68.70	76.90	88.10	97.60	100.40	89.30	88.50	81.20	39.80
3626352.16	70.90	78.30	91.50	95.80	95.50	77.60	80.80	75.20	56.20
3626152.16	73.50	82.90	87.90	92.20	90.50	76.90	69.90	51.20	42.40
3625952.16	82.00	79.60	70.80	90.40	87.50	71.80	69.80	51.40	18.20
3625752.16	79.70	61.50	56.60	52.90	33.60	17.90	16.20	12.50	12.60
3625552.16	47.90	29.60	20.90	14.10	11.20	17.30	20.20	14.60	15.20
3625352.16	16.40	17.80	15.00	9.20	9.30	10.90	14.30	13.20	13.00
3625152.16	5.40	4.10	6.90	1.20	6.00	18.70	17.40	15.10	16.30
3624952.16	2.70	7.00	10.90	8.10	4.70	11.60	10.20	12.50	16.50
3624752.16	9.60	4.40	3.60	7.90	5.60	10.50	12.90	14.10	24.10
3624552.16	18.30	14.50	13.10	11.00	14.70	31.00	34.10	82.70	37.20
3624352.16	41.10	51.30	49.10	78.70	53.70	66.50	88.40	57.30	89.00
3624152.16	72.30	81.70	80.10	86.20	52.50	67.10	96.90	91.10	92.90
3623952.16	85.40	88.50	87.00	73.20	80.50	54.30	87.00	90.20	90.30
3623752.16	85.80	87.00	87.00	82.40	81.20	71.10	89.00	91.50	97.90
3623552.16	79.90	88.50	84.00	83.00	84.90	85.00	84.50	88.90	91.10
3623352.16	78.20	74.70	79.00	87.80	81.80	75.00	86.40	86.40	88.00
3623152.16	56.70	82.80	85.70	78.60	81.80	63.50	82.30	83.00	90.10
3622952.16	52.10	75.10	83.00	70.80	71.90	67.70	72.80	81.90	90.60
3622752.16	36.50	53.90	76.00	75.30	50.30	67.70	67.10	89.20	89.30
3622552.16	27.00	42.20	71.30	61.70	65.90	46.10	76.00	76.60	93.90
3622352.16	10.70	31.00	58.70	56.70	44.40	62.30	76.50	82.00	88.40
3622152.16	3.40	18.40	37.50	58.70	42.60	49.30	51.80	76.70	81.10
3621952.16	4.80	11.70	29.80	50.70	60.40	44.30	53.70	65.80	77.00
3621752.16	4.60	5.00	9.70	33.30	52.40	33.70	49.10	70.70	80.00
3621552.16	14.40	13.10	6.70	17.20	36.30	39.90	56.80	73.50	76.80
3621352.16	-0.90	-9.50	13.40	14.90	23.40	37.90	48.80	67.10	71.80
3621152.16	-4.90	4.90	6.10	6.60	17.20	33.40	40.20	54.10	59.60
3620952.16	0.00	0.00	1.90	7.70	12.80	21.10	32.30	45.10	56.00
3620752.16	0.00	0.00	0.00	2.50	4.20	16.60	26.10	32.90	48.20
3620552.16	0.00	0.00	0.00	1.50	5.60	12.80	23.80	33.90	37.60
3620352.16	0.00	0.00	0.00	2.40	5.50	9.70	17.00	18.30	35.50

\*\*\* AERMOD - VERSION 14134 \*\*\*  
\*\*\* AERMET - VERSION 14134 \*\*\*

\*\*\* H:\RECON\6806\AERMOD\Fut\6086\_Fut\6086\_Fut.isc  
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\*\*\* 03/30/15  
\*\*\* 00:41:26  
PAGE 35

\*\*MODELOPTs: NonDEFAULT CONC FLAT and ELEV

\*\*\* NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART \*\*\*

\* ELEVATION HEIGHTS IN METERS \*

Y-COORD (METERS)	X-COORD (METERS)								
	483216.60	483416.60	483616.60	483816.60	484016.60	484216.60	484416.60	484616.60	484816.60
3620152.16	0.00	0.00	0.00	7.20	8.30	7.90	15.60	21.10	26.30
3619952.16	0.00	0.00	3.30	3.80	0.20	10.60	16.20	26.30	24.10
3619752.16	0.00	0.90	1.50	11.70	7.80	22.40	23.20	26.80	27.90
3619552.16	0.00	0.00	9.50	5.50	7.80	9.70	17.10	24.90	27.20
3619352.16	0.00	0.00	3.60	4.90	9.40	6.10	8.90	5.10	16.70
3619152.16	0.00	0.00	2.60	3.50	6.30	5.40	2.50	3.20	7.70
3618952.16	0.00	0.00	0.00	1.30	10.70	2.70	13.50	16.20	8.50
3618752.16	0.00	0.00	0.00	0.00	0.00	6.90	2.20	3.90	12.40
3618552.16	0.00	0.00	0.00	0.00	0.00	0.00	3.60	8.30	5.40
3618352.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00



\*\*MODELOPTs: NonDEFAULT CONC FLAT and ELEV

\*\*\* NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART \*\*\*

\* ELEVATION HEIGHTS IN METERS \*

Y-COORD (METERS)	X-COORD (METERS)								
	485016.60	485216.60	485416.60	485616.60	485816.60	486016.60	486216.60	486416.60	486616.60
3628152.16	112.70	105.80	107.30	107.20	69.70	100.70	127.20	121.00	124.10
3627952.16	106.70	105.60	103.40	98.40	63.00	92.30	107.90	123.00	118.10
3627752.16	103.90	94.20	92.80	75.80	78.60	105.00	99.30	125.90	119.10
3627552.16	106.10	94.20	80.20	56.90	82.80	108.60	106.30	106.90	118.20
3627352.16	95.40	94.90	61.00	52.10	80.20	90.10	88.00	106.20	92.40
3627152.16	95.80	83.10	81.80	39.00	71.10	60.90	55.80	73.90	89.40
3626952.16	55.20	70.30	67.00	35.10	70.70	49.80	33.70	32.70	38.30
3626752.16	41.40	30.70	32.10	29.00	29.10	26.70	28.00	25.40	28.00
3626552.16	25.90	24.00	25.60	26.10	30.10	20.20	22.10	18.90	23.60
3626352.16	18.90	31.50	23.00	17.60	19.90	21.30	21.50	23.00	18.80
3626152.16	23.60	19.20	19.10	14.00	17.90	18.90	19.10	12.30	15.40
3625952.16	15.30	28.00	14.90	15.60	11.50	12.80	14.10	13.90	15.20
3625752.16	17.60	13.20	10.50	13.40	17.40	21.00	17.80	17.30	14.50
3625552.16	13.30	13.40	13.70	14.00	16.60	15.40	16.80	16.40	23.80
3625352.16	9.30	10.70	13.10	16.60	8.80	13.60	15.10	25.30	58.10
3625152.16	15.60	15.50	13.10	24.50	29.80	62.10	80.10	106.70	77.30
3624952.16	17.40	31.50	77.60	69.40	103.90	92.10	110.40	107.30	106.60
3624752.16	64.40	93.10	101.60	106.10	106.90	112.50	108.20	108.30	103.70
3624552.16	45.00	78.40	86.80	95.40	107.30	111.90	106.90	106.90	100.40
3624352.16	48.10	50.40	57.00	91.10	101.90	108.30	106.50	106.00	97.90
3624152.16	78.70	65.60	82.90	74.30	89.60	108.50	107.90	104.10	94.50
3623952.16	89.40	59.20	86.80	91.70	89.60	103.30	108.10	102.50	91.40
3623752.16	94.50	74.10	78.10	88.30	93.80	95.70	106.30	102.60	91.00
3623552.16	98.20	88.80	90.30	91.40	94.20	97.00	101.10	106.90	88.20
3623352.16	91.70	88.70	90.40	89.60	90.50	95.80	97.10	107.70	82.10
3623152.16	90.70	87.30	85.30	90.40	92.50	93.00	94.80	95.00	79.10
3622952.16	86.00	92.00	84.20	89.90	90.00	91.00	96.70	92.40	72.60
3622752.16	90.50	86.80	71.70	84.70	84.30	90.70	97.30	89.90	71.20
3622552.16	90.20	90.20	69.10	87.90	93.80	91.60	96.00	82.20	82.40
3622352.16	93.50	89.00	66.70	83.90	88.10	94.10	93.40	74.50	77.80
3622152.16	93.60	85.60	60.60	85.40	87.70	89.70	92.20	81.00	58.90
3621952.16	88.50	80.70	61.10	81.40	76.10	90.00	96.30	73.50	66.60
3621752.16	86.20	81.90	58.30	60.20	76.70	87.60	92.90	62.30	56.70
3621552.16	80.50	83.70	69.30	70.00	87.90	89.70	94.20	72.30	51.60
3621352.16	80.60	80.50	54.60	63.70	82.20	77.60	87.40	69.50	50.60
3621152.16	68.70	77.10	57.80	76.30	76.50	67.10	81.00	76.30	44.20
3620952.16	58.30	71.00	45.80	68.80	67.50	69.60	70.40	68.90	44.00
3620752.16	51.00	54.60	47.80	60.70	66.40	63.90	72.90	58.20	35.20
3620552.16	43.40	54.80	45.80	46.50	53.00	50.60	62.50	63.10	32.00
3620352.16	40.80	44.70	46.10	48.00	48.90	47.30	38.10	38.80	30.50

\*\*\* AERMOD - VERSION 14134 \*\*\*  
\*\*\* AERMET - VERSION 14134 \*\*\*

\*\*\* H:\RECON\6806\AERMOD\Fut\6086\_Fut\6086\_Fut.isc  
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\*\*\* 03/30/15  
\*\*\* 00:41:26  
PAGE 37

\*\*MODELOPTs: NonDEFAULT CONC FLAT and ELEV

\*\*\* NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART \*\*\*

\* ELEVATION HEIGHTS IN METERS \*

Y-COORD (METERS)	X-COORD (METERS)								
	485016.60	485216.60	485416.60	485616.60	485816.60	486016.60	486216.60	486416.60	486616.60
3620152.16	35.20	40.90	37.40	37.00	44.10	39.50	31.10	27.30	55.90
3619952.16	41.80	67.80	36.60	31.60	35.40	23.60	25.10	42.60	54.60
3619752.16	25.80	27.10	25.70	21.60	18.50	21.40	28.20	36.90	54.40
3619552.16	19.20	18.90	18.00	22.70	17.20	22.20	21.40	35.90	43.20
3619352.16	16.30	12.00	16.60	19.00	14.20	14.60	21.70	34.80	42.60
3619152.16	9.40	10.60	13.90	17.10	11.00	12.40	25.20	33.60	33.60
3618952.16	10.00	5.60	5.70	9.30	4.00	12.10	22.50	33.60	29.80
3618752.16	4.70	2.20	5.50	5.50	4.20	11.50	19.00	21.30	19.00
3618552.16	8.20	0.60	2.40	3.50	2.30	7.80	15.30	14.40	15.60
3618352.16	6.40	4.30	3.40	3.00	3.10	6.30	13.40	15.80	19.30

\*\*\* AERMOD - VERSION 14134 \*\*\*  
\*\*\* AERMET - VERSION 14134 \*\*\*

\*\*\* H:\RECON\6806\AERMOD\Fut\6086\_Fut\6086\_Fut.isc  
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\*\*\* 03/30/15  
\*\*\* 00:41:26  
\*\*\* PAGE 38

\*\*MODELOPTs: NonDEFAULT CONC FLAT and ELEV

\*\*\* NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART \*\*\*

\* ELEVATION HEIGHTS IN METERS \*

Y-COORD (METERS)	X-COORD (METERS)								
	486816.60	487016.60	487216.60	487416.60	487616.60	487816.60	488016.60	488216.60	488416.60
3628152.16	106.90	96.00	70.30	110.20	64.20	89.80	110.80	117.10	112.10
3627952.16	118.50	112.80	66.60	86.20	56.40	109.20	111.80	108.10	110.70
3627752.16	113.30	114.80	113.40	82.70	66.80	82.80	78.80	59.90	73.70
3627552.16	105.60	113.20	98.60	58.90	47.70	51.30	49.20	44.20	28.90
3627352.16	100.70	94.70	99.70	56.00	40.40	43.70	35.10	33.10	17.70
3627152.16	81.60	78.10	88.00	43.30	39.10	24.20	25.50	25.40	13.90
3626952.16	60.00	65.70	61.80	39.60	28.40	26.00	21.00	21.70	18.20
3626752.16	35.20	38.40	48.20	29.60	21.80	22.30	16.50	15.70	16.70
3626552.16	25.90	23.90	20.30	27.40	21.90	23.00	16.00	18.60	22.90
3626352.16	16.80	20.50	19.10	30.60	13.50	13.00	14.10	26.60	25.50
3626152.16	16.00	8.50	12.20	16.80	24.80	12.70	17.60	25.30	68.00
3625952.16	18.00	16.90	20.20	20.60	26.10	24.60	47.90	112.70	70.90
3625752.16	13.80	18.20	19.50	30.20	33.30	53.00	119.10	124.50	111.90
3625552.16	33.30	33.80	44.90	68.90	100.50	76.10	93.40	120.60	121.70
3625352.16	97.20	61.30	107.30	120.40	121.00	111.10	107.50	120.10	121.50
3625152.16	112.30	85.10	120.70	123.50	121.50	120.90	100.40	122.40	120.70
3624952.16	108.20	107.10	117.00	119.50	120.90	119.30	117.10	120.60	119.30
3624752.16	106.00	109.10	116.50	116.20	116.20	117.60	122.40	119.90	120.80
3624552.16	107.50	106.50	115.60	121.20	113.50	116.20	122.00	116.20	119.70
3624352.16	104.80	104.00	112.60	118.40	116.00	115.80	116.60	118.00	117.70
3624152.16	103.00	100.80	114.70	119.00	115.20	114.00	114.00	117.00	117.00
3623952.16	99.70	100.50	110.30	119.00	114.90	114.40	111.40	113.30	113.30
3623752.16	95.50	102.10	104.80	113.30	114.90	113.30	115.80	110.30	104.20
3623552.16	91.20	96.10	100.30	110.00	113.00	113.50	112.60	109.90	102.90
3623352.16	90.20	97.40	97.00	107.10	107.50	111.60	110.40	110.40	106.30
3623152.16	85.50	90.70	96.00	104.90	107.00	107.60	107.00	107.10	105.70
3622952.16	84.30	92.20	92.60	104.30	104.90	106.00	107.90	106.00	105.00
3622752.16	85.60	89.30	92.30	102.10	104.10	103.30	103.10	103.70	105.40
3622552.16	91.20	94.00	86.90	104.50	101.00	101.00	102.20	102.10	97.10
3622352.16	86.40	90.90	82.50	97.30	102.10	98.60	101.00	98.20	98.60
3622152.16	79.80	85.60	83.90	87.50	100.00	97.70	93.90	91.50	96.30
3621952.16	79.00	80.60	78.60	84.60	97.90	95.30	93.50	92.80	94.70
3621752.16	80.80	79.30	80.60	81.00	87.50	74.40	88.10	89.60	94.00
3621552.16	77.80	75.20	76.80	65.60	75.50	90.40	92.40	94.00	89.70
3621352.16	73.90	70.40	74.20	60.50	83.50	92.00	89.70	91.90	87.30
3621152.16	63.80	76.30	51.20	66.90	80.00	88.60	87.70	90.90	81.20
3620952.16	55.90	45.50	51.80	77.30	78.20	87.20	85.20	84.40	80.20
3620752.16	47.80	53.50	58.70	66.90	72.10	81.10	71.70	71.50	67.40
3620552.16	45.60	60.30	73.20	77.20	68.10	71.50	71.50	71.90	74.90
3620352.16	66.10	62.00	69.40	67.50	66.00	73.10	76.90	58.20	64.90

\*\*\* AERMOD - VERSION 14134 \*\*\*  
\*\*\* AERMET - VERSION 14134 \*\*\*

\*\*\* H:\RECON\6806\AERMOD\Fut\6086\_Fut\6086\_Fut.isc  
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\*\*\* 03/30/15  
\*\*\* 00:41:26  
\*\*\* PAGE 39

\*\*MODELOPTs: NonDEFAULT CONC FLAT and ELEV

\*\*\* NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART \*\*\*

\* ELEVATION HEIGHTS IN METERS \*

Y-COORD (METERS)	486816.60	487016.60	487216.60	487416.60	487616.60	487816.60	488016.60	488216.60	488416.60
3620152.16	66.00	66.90	68.60	63.60	61.10	70.90	72.50	66.20	51.70
3619952.16	61.60	64.10	60.10	58.90	59.40	65.60	64.60	63.10	39.70
3619752.16	59.40	57.90	53.70	51.70	60.80	57.00	55.90	50.90	34.40
3619552.16	56.00	53.80	52.00	48.80	49.50	50.80	51.60	31.30	26.70
3619352.16	50.00	45.00	44.90	43.70	43.00	48.50	35.60	30.10	21.60
3619152.16	38.50	45.20	48.70	33.50	33.50	33.10	27.90	23.70	15.60
3618952.16	26.00	25.80	34.20	29.30	26.90	24.40	27.30	26.20	14.30
3618752.16	21.60	23.80	22.60	25.00	26.00	23.10	26.00	22.20	12.80
3618552.16	19.40	25.20	22.60	24.50	24.50	25.30	25.80	30.40	18.10
3618352.16	23.00	24.80	31.40	28.80	28.90	29.00	21.70	26.50	27.30

\*\*\* AERMOD - VERSION 14134 \*\*\*  
\*\*\* AERMET - VERSION 14134 \*\*\*

\*\*\* H:\RECON\6806\AERMOD\Fut\6086\_Fut\6086\_Fut.isc  
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\*\*\* 03/30/15  
\*\*\* 00:41:26  
\*\*\* PAGE 40

\*\*MODELOPTs: NonDEFAULT CONC FLAT and ELEV

\*\*\* NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART \*\*\*

\* ELEVATION HEIGHTS IN METERS \*

Y-COORD (METERS)	488616.60	488816.60	489016.60	489216.60	489416.60	489616.60	489816.60	490016.60	490216.60
3628152.16	83.60	103.50	93.30	26.90	30.50	92.30	86.30	91.80	31.40
3627952.16	81.80	86.60	63.20	25.80	37.40	58.10	63.90	69.80	28.90
3627752.16	51.10	46.20	20.00	19.70	46.40	56.60	62.00	64.40	32.00
3627552.16	25.90	15.60	19.00	24.00	26.40	36.40	42.60	39.90	29.00
3627352.16	16.40	33.10	20.10	14.70	23.70	27.50	26.00	30.50	28.80
3627152.16	18.30	30.30	17.70	16.70	23.00	24.00	22.20	25.10	17.60
3626952.16	12.50	21.30	19.60	24.60	30.20	19.20	21.20	22.90	24.30
3626752.16	17.30	21.90	28.00	33.70	30.10	23.20	27.40	32.50	27.70
3626552.16	29.10	37.70	44.40	58.80	67.70	42.50	61.50	57.30	50.30
3626352.16	55.70	85.10	98.00	94.80	94.30	58.10	118.80	122.20	99.70
3626152.16	70.60	125.60	102.50	118.60	75.40	89.10	94.30	119.90	102.80
3625952.16	120.70	121.00	123.00	114.40	80.80	109.10	116.10	115.90	116.00
3625752.16	124.00	122.20	121.80	122.30	104.00	105.20	119.00	114.30	104.50
3625552.16	123.00	124.10	124.80	117.30	95.30	93.80	114.30	118.80	107.40
3625352.16	123.70	123.00	123.00	124.00	110.40	104.10	108.20	113.20	115.90
3625152.16	124.70	122.60	121.90	121.30	117.80	114.10	108.90	113.40	113.70
3624952.16	123.10	122.70	122.40	122.80	119.80	113.60	109.60	115.50	112.60
3624752.16	120.90	124.90	123.50	123.80	116.30	113.50	109.60	116.30	114.00
3624552.16	118.30	122.20	126.40	122.80	119.50	116.20	115.50	115.10	115.00
3624352.16	118.40	118.90	118.80	117.90	118.80	116.10	109.50	114.90	114.80
3624152.16	115.30	117.20	119.50	119.10	117.00	114.90	111.40	114.20	113.60
3623952.16	114.80	116.50	121.00	120.40	113.60	114.80	112.90	113.90	113.30
3623752.16	112.60	115.00	116.00	112.10	110.70	113.80	107.40	113.20	112.90
3623552.16	105.80	113.80	114.00	111.80	108.10	105.30	110.00	112.10	110.10
3623352.16	96.00	105.90	109.00	108.40	108.60	105.00	107.30	107.30	109.60
3623152.16	98.80	91.20	105.30	105.10	102.60	103.30	95.90	109.30	108.30
3622952.16	103.60	87.70	99.10	104.10	100.00	92.80	103.20	103.10	106.00
3622752.16	98.90	99.10	82.20	96.80	91.50	93.50	100.10	100.60	102.60
3622552.16	99.10	97.00	91.30	80.40	77.80	94.30	94.80	98.00	94.70
3622352.16	98.90	89.10	93.50	70.20	82.30	95.10	93.60	93.10	87.00
3622152.16	97.60	91.50	91.50	76.20	73.90	90.50	85.50	79.00	84.90
3621952.16	94.70	91.40	78.40	81.20	63.70	80.20	69.60	89.10	91.70
3621752.16	86.30	88.10	93.50	82.70	63.90	56.90	87.60	90.10	86.00
3621552.16	76.00	82.60	89.60	84.30	61.10	65.50	83.40	84.90	81.90
3621352.16	67.10	79.80	78.30	78.00	57.30	67.70	73.10	70.80	75.40
3621152.16	60.50	70.40	77.80	65.80	44.00	68.00	67.70	72.10	69.80
3620952.16	64.20	58.90	73.30	50.80	47.30	68.10	58.50	65.10	49.00
3620752.16	62.50	57.10	60.50	39.00	61.10	64.40	56.00	50.30	37.60
3620552.16	65.70	41.10	37.50	48.50	59.70	59.70	40.90	40.70	60.20
3620352.16	65.00	42.30	28.10	55.30	54.70	34.00	38.10	48.80	43.90

\*\*\* AERMOD - VERSION 14134 \*\*\*  
\*\*\* AERMET - VERSION 14134 \*\*\*

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\*\*\* 03/30/15  
\*\*\* 00:41:26  
PAGE 41

\*\*MODELOPTs: NonDEFAULT CONC FLAT and ELEV

\*\*\* NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART \*\*\*

\* ELEVATION HEIGHTS IN METERS \*

Y-COORD (METERS)	488616.60	488816.60	489016.60	489216.60	489416.60	489616.60	489816.60	490016.60	490216.60
3620152.16	58.00	34.20	36.20	44.00	23.10	27.40	27.50	36.20	44.20
3619952.16	47.90	31.20	25.30	23.40	35.60	43.60	50.90	53.60	40.50
3619752.16	27.20	21.50	18.90	50.10	54.50	53.30	56.30	50.70	50.30
3619552.16	17.10	18.00	41.70	49.70	54.10	49.20	49.40	44.10	46.40
3619352.16	14.90	21.50	34.80	40.10	45.10	47.30	41.70	41.20	42.60
3619152.16	11.40	25.30	38.50	33.10	42.40	36.60	37.40	40.50	38.40
3618952.16	13.10	27.70	29.30	34.00	38.10	33.40	38.60	42.30	47.40
3618752.16	13.20	13.40	16.40	18.00	30.60	38.50	37.40	43.40	43.30
3618552.16	9.60	20.20	30.60	31.20	31.40	38.10	43.00	39.60	36.90
3618352.16	12.20	22.70	28.90	26.50	27.30	35.30	37.80	27.70	25.40

\*\*MODELOPTs: NonDEFAULT CONC FLAT and ELEV

\*\*\* NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART \*\*\*

\* ELEVATION HEIGHTS IN METERS \*

Y-COORD (METERS)	X-COORD (METERS)								
	490416.60	490616.60	490816.60	491016.60	491216.60	491416.60	491616.60	491816.60	492016.60
3628152.16	20.40	29.10	33.60	46.70	48.20	57.80	68.30	89.50	88.40
3627952.16	21.60	26.60	33.80	40.50	47.70	55.60	81.70	91.50	81.90
3627752.16	21.30	27.60	26.00	36.90	48.70	64.60	77.10	89.00	72.20
3627552.16	25.10	22.60	27.30	35.00	49.90	78.00	80.20	83.90	58.30
3627352.16	24.70	24.00	27.30	33.80	51.20	66.20	71.80	58.50	44.40
3627152.16	26.40	24.00	24.60	27.10	30.70	28.50	37.80	32.80	35.20
3626952.16	22.80	25.50	30.10	40.40	40.00	40.30	40.70	49.00	57.10
3626752.16	26.10	33.20	77.30	100.50	94.60	80.70	61.10	104.40	108.60
3626552.16	55.90	32.00	68.80	101.10	73.30	94.50	100.60	79.80	124.60
3626352.16	111.40	56.50	50.20	101.20	107.50	98.90	118.10	90.60	120.80
3626152.16	92.10	103.40	54.00	64.40	96.60	121.00	120.90	116.60	114.70
3625952.16	117.60	111.90	78.50	63.70	52.70	90.30	115.40	120.20	101.10
3625752.16	110.30	80.30	60.90	78.40	102.00	60.10	64.80	78.60	88.70
3625552.16	85.40	88.50	102.00	70.10	112.30	118.70	119.40	113.90	80.00
3625352.16	112.90	107.70	91.90	95.40	83.20	111.40	125.90	123.20	112.40
3625152.16	105.20	109.30	77.70	107.00	116.20	94.60	122.40	124.10	123.30
3624952.16	110.80	111.00	84.80	102.70	116.70	117.00	122.40	123.90	122.00
3624752.16	109.50	99.00	108.90	93.30	112.00	117.90	120.00	121.80	121.10
3624552.16	110.20	110.30	111.70	112.20	107.80	112.80	118.90	117.50	120.90
3624352.16	111.00	110.50	114.10	111.20	112.00	109.00	112.00	119.30	123.40
3624152.16	113.00	113.70	112.50	112.50	112.60	109.90	110.50	115.00	117.60
3623952.16	111.10	113.30	110.90	111.80	109.90	108.30	106.60	104.70	100.00
3623752.16	112.30	113.10	110.40	109.00	108.80	108.00	105.00	104.10	101.10
3623552.16	114.00	113.00	110.60	108.00	108.00	107.60	99.20	104.80	97.80
3623352.16	111.00	112.70	109.90	108.90	106.90	107.00	98.40	97.80	92.00
3623152.16	110.90	110.00	109.00	105.00	106.90	105.90	101.60	90.40	99.30
3622952.16	107.80	106.00	110.50	105.50	103.40	106.60	90.40	97.90	98.60
3622752.16	102.60	103.00	108.90	102.60	101.30	101.80	81.40	98.30	90.90
3622552.16	95.30	102.10	105.90	101.40	89.00	98.60	79.70	94.50	74.20
3622352.16	93.20	96.30	96.70	98.60	85.30	91.10	70.30	86.30	67.10
3622152.16	92.60	90.70	89.40	95.40	82.90	70.90	79.10	66.00	69.30
3621952.16	88.30	94.10	72.90	90.60	70.80	74.50	77.80	60.40	84.00
3621752.16	81.70	89.20	87.90	70.80	60.60	85.50	55.50	73.70	70.90
3621552.16	81.80	82.50	67.00	56.60	81.50	81.50	54.00	73.20	67.30
3621352.16	77.40	64.00	51.90	80.10	78.90	51.30	58.10	72.60	73.60
3621152.16	73.20	45.10	69.00	78.00	55.30	47.60	63.00	61.20	67.60
3620952.16	45.50	72.00	74.50	55.30	42.80	59.40	67.30	73.70	76.40
3620752.16	50.00	70.50	48.30	40.30	61.20	71.40	68.10	71.10	75.60
3620552.16	44.90	40.20	42.10	55.90	69.90	73.50	72.70	71.00	75.00
3620352.16	44.50	46.10	55.80	65.60	69.40	70.80	68.30	68.40	70.00

\*\*\* AERMOD - VERSION 14134 \*\*\*  
\*\*\* AERMET - VERSION 14134 \*\*\*

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\*\*\* 03/30/15  
\*\*\* 00:41:26  
PAGE 43

\*\*MODELOPTs: NonDEFAULT CONC FLAT and ELEV

\*\*\* NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART \*\*\*

\* ELEVATION HEIGHTS IN METERS \*

Y-COORD (METERS)	X-COORD (METERS)								
	490416.60	490616.60	490816.60	491016.60	491216.60	491416.60	491616.60	491816.60	492016.60
3620152.16	45.70	57.80	65.70	70.60	69.10	66.40	64.10	62.90	65.40
3619952.16	49.60	59.20	65.80	57.00	60.10	59.00	56.10	61.10	60.20
3619752.16	44.20	56.10	56.80	56.40	57.30	58.50	52.20	52.90	51.00
3619552.16	42.30	45.90	51.60	53.40	56.40	50.80	51.40	53.70	39.00
3619352.16	42.80	46.10	49.50	51.50	44.40	51.10	44.70	44.10	36.70
3619152.16	41.40	39.50	46.80	44.50	36.90	38.80	38.30	34.50	31.40
3618952.16	45.00	43.20	30.10	35.80	28.20	26.10	27.20	29.60	36.50
3618752.16	49.70	43.20	21.80	25.40	25.20	31.50	39.40	48.90	45.10
3618552.16	39.50	29.10	19.10	29.10	35.50	43.70	46.20	51.80	53.80
3618352.16	24.60	20.40	22.40	30.00	35.80	41.40	47.30	53.60	51.20



\*\*\* AERMOD - VERSION 14134 \*\*\*  
\*\*\* AERMET - VERSION 14134 \*\*\*

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\*\*\* 03/30/15  
\*\*\* 00:41:26  
\*\*\* PAGE 44

\*\*MODELOPTs: NonDEFAULT CONC FLAT and ELEV

\*\*\* NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART \*\*\*

\* ELEVATION HEIGHTS IN METERS \*

Y-COORD (METERS)	492216.60	492416.60	492616.60	492816.60	493016.60	493216.60	493416.60	493616.60	493816.60
3628152.16	95.20	99.50	99.90	92.80	89.10	113.90	119.40	124.00	140.40
3627952.16	96.20	94.20	83.10	82.30	91.50	123.90	130.40	131.10	146.00
3627752.16	97.70	63.90	77.70	123.20	119.10	113.40	121.00	133.90	146.20
3627552.16	70.30	81.60	108.20	100.20	125.70	129.60	130.40	124.40	139.10
3627352.16	72.20	114.50	115.80	103.80	114.00	120.60	131.30	136.50	146.60
3627152.16	38.10	49.80	49.20	44.90	49.40	59.10	87.80	131.00	140.70
3626952.16	53.30	51.50	50.30	52.40	54.50	62.50	91.10	115.50	120.50
3626752.16	105.40	82.00	103.30	101.80	94.30	106.10	117.30	98.80	99.10
3626552.16	121.00	113.20	105.60	125.30	122.10	137.50	133.10	121.50	126.50
3626352.16	135.90	133.70	135.20	133.90	129.00	136.60	136.70	140.50	131.50
3626152.16	127.80	127.70	129.70	138.30	138.60	139.40	140.00	131.60	127.30
3625952.16	103.90	109.90	125.20	136.10	141.20	143.60	139.10	144.70	143.40
3625752.16	103.20	119.90	121.20	140.90	143.90	142.00	135.60	141.50	146.60
3625552.16	91.40	96.60	105.80	110.60	133.70	128.10	123.70	143.00	143.60
3625352.16	101.40	128.80	115.20	134.10	111.80	116.10	121.30	129.80	137.60
3625152.16	100.70	123.20	120.00	130.70	136.40	132.30	135.40	142.70	146.00
3624952.16	108.20	123.10	129.00	134.00	140.10	132.90	136.30	145.00	144.70
3624752.16	119.00	115.70	124.60	132.20	139.60	144.00	141.40	144.20	142.20
3624552.16	119.40	127.80	129.60	128.20	139.50	147.00	139.80	135.40	141.20
3624352.16	116.10	126.10	124.30	125.50	132.10	130.80	135.30	143.00	144.70
3624152.16	103.10	110.00	112.70	118.00	119.10	137.50	147.90	135.30	131.90
3623952.16	124.40	120.30	117.50	114.80	121.40	126.70	145.00	123.80	112.00
3623752.16	102.60	104.10	121.70	120.80	119.90	117.60	120.30	100.80	102.40
3623552.16	98.40	103.90	107.00	112.00	111.40	97.40	96.20	104.70	115.60
3623352.16	103.60	108.00	95.50	91.30	89.60	90.10	112.30	145.20	136.10
3623152.16	107.00	96.90	87.50	86.10	90.80	121.00	120.10	139.80	133.30
3622952.16	91.80	79.20	82.40	106.30	115.00	117.60	109.50	119.70	120.00
3622752.16	71.20	78.00	88.30	91.40	94.80	100.50	108.60	129.80	136.60
3622552.16	73.10	88.00	91.30	106.60	119.60	123.30	124.70	130.20	144.90
3622352.16	82.20	89.80	94.00	98.20	101.90	113.60	122.60	125.00	135.30
3622152.16	87.00	84.90	90.50	100.60	114.80	109.60	113.30	125.30	127.60
3621952.16	79.50	80.40	92.50	94.80	116.80	128.70	131.00	129.70	143.50
3621752.16	82.30	83.10	94.70	113.30	117.60	128.10	129.20	132.90	138.70
3621552.16	79.10	84.40	91.30	108.20	125.40	124.30	129.60	131.00	130.00
3621352.16	78.50	81.20	93.20	110.80	112.20	113.90	111.60	108.30	101.40
3621152.16	72.10	79.60	98.10	94.10	100.00	100.30	92.10	81.80	84.90
3620952.16	71.20	83.80	84.80	101.50	87.30	77.80	77.20	94.60	114.70
3620752.16	74.50	84.00	90.10	80.00	69.50	87.90	108.30	119.90	128.40
3620552.16	77.10	76.20	73.70	65.20	76.70	102.00	114.10	102.80	124.50
3620352.16	68.30	60.60	59.00	84.60	99.20	106.50	112.90	101.60	112.40

\*\*\* AERMOD - VERSION 14134 \*\*\*  
\*\*\* AERMET - VERSION 14134 \*\*\*

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\*\*\* 03/30/15  
\*\*\* 00:41:26  
PAGE 45

\*\*MODELOPTs: NonDEFAULT CONC FLAT and ELEV

\*\*\* NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART \*\*\*

\* ELEVATION HEIGHTS IN METERS \*

Y-COORD (METERS)	492216.60	492416.60	492616.60	492816.60	493016.60	493216.60	493416.60	493616.60	493816.60
3620152.16	65.70	50.80	63.70	74.80	87.30	95.20	104.80	98.90	102.00
3619952.16	48.50	53.70	71.00	77.00	90.70	93.10	85.20	89.10	87.50
3619752.16	44.70	64.90	79.10	82.50	82.80	82.70	73.30	88.00	92.30
3619552.16	51.00	74.00	83.20	71.40	80.90	73.80	84.00	80.60	84.30
3619352.16	62.10	65.20	65.70	79.50	76.60	65.50	72.60	64.20	67.30
3619152.16	36.80	37.50	39.80	46.70	51.30	51.60	53.90	54.90	55.80
3618952.16	40.80	44.90	48.40	45.60	46.50	50.80	62.00	74.90	82.50
3618752.16	48.10	50.80	50.90	53.50	67.30	62.00	77.10	84.90	90.30
3618552.16	52.40	64.40	69.00	78.10	90.20	72.40	84.80	91.80	99.10
3618352.16	49.60	55.10	66.40	75.90	87.80	83.80	81.00	87.50	89.90

\*\*\* AERMOD - VERSION 14134 \*\*\*  
\*\*\* AERMET - VERSION 14134 \*\*\*

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\*\*\* 03/30/15  
\*\*\* 00:41:26  
PAGE 46

\*\*MODELOPTs: NonDEFAULT CONC FLAT and ELEV

\*\*\* NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART \*\*\*

\* ELEVATION HEIGHTS IN METERS \*

Y-COORD (METERS)	494016.60	494216.60	494416.60	X-COORD (METERS)
3628152.16	165.60	232.80	250.70	
3627952.16	178.90	235.20	239.70	
3627752.16	171.20	207.60	214.20	
3627552.16	155.10	177.30	175.10	
3627352.16	151.20	149.30	146.80	
3627152.16	140.10	137.40	141.40	
3626952.16	116.20	132.40	129.00	
3626752.16	102.10	111.20	113.60	
3626552.16	114.30	104.80	106.60	
3626352.16	124.60	119.90	135.10	
3626152.16	133.60	140.00	136.60	
3625952.16	142.70	137.20	136.10	
3625752.16	144.40	140.00	138.10	
3625552.16	142.20	143.10	141.10	
3625352.16	146.00	142.20	143.90	
3625152.16	145.10	146.50	144.20	
3624952.16	143.50	146.30	141.90	
3624752.16	145.40	145.10	142.00	
3624552.16	145.90	143.50	142.00	
3624352.16	136.00	141.10	131.00	
3624152.16	123.40	117.00	115.60	
3623952.16	105.20	106.40	109.40	
3623752.16	102.50	127.00	138.30	
3623552.16	131.90	125.70	125.40	
3623352.16	141.10	132.70	141.80	
3623152.16	139.90	136.90	142.80	
3622952.16	125.10	133.20	139.10	
3622752.16	138.00	138.70	143.80	
3622552.16	146.50	143.20	143.20	
3622352.16	141.80	143.00	135.30	
3622152.16	139.70	142.40	128.70	
3621952.16	137.20	137.50	136.00	
3621752.16	134.90	132.90	110.30	
3621552.16	129.90	106.80	96.00	
3621352.16	87.70	92.60	100.50	
3621152.16	101.30	107.30	117.60	
3620952.16	117.60	125.40	137.40	
3620752.16	139.10	131.50	121.50	
3620552.16	136.60	109.30	106.70	
3620352.16	103.90	96.00	118.20	

\*\*\* AERMOD - VERSION 14134 \*\*\*  
\*\*\* AERMET - VERSION 14134 \*\*\*

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\*\*\* 03/30/15  
\*\*\* 00:41:26  
PAGE 47

\*\*MODELOPTs: NonDEFAULT CONC FLAT and ELEV

\*\*\* NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART \*\*\*

\* ELEVATION HEIGHTS IN METERS \*

Y-COORD (METERS)	494016.60	494216.60	494416.60	X-COORD (METERS)
3620152.16	84.10	121.00	121.40	
3619952.16	124.40	131.60	102.10	
3619752.16	97.30	101.10	88.60	
3619552.16	80.60	89.60	82.70	
3619352.16	68.20	74.80	74.20	
3619152.16	60.50	65.10	68.60	
3618952.16	84.20	93.20	119.80	
3618752.16	96.40	114.40	114.70	
3618552.16	99.40	104.70	120.30	
3618352.16	93.10	99.30	117.20	

\*\*MODELOPTs: NonDEFAULT CONC FLAT and ELEV

\*\*\* NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART \*\*\*

\* HILL HEIGHT SCALES IN METERS \*

Y-COORD (METERS)	X-COORD (METERS)								
	479616.60	479816.60	480016.60	480216.60	480416.60	480616.60	480816.60	481016.60	481216.60
3628152.16	0.00	0.00	0.00	0.00	1.00	15.00	23.10	53.00	84.00
3627952.16	0.00	0.00	0.00	0.00	1.80	9.30	17.00	58.00	47.00
3627752.16	0.20	0.50	-0.20	0.00	0.00	3.70	11.00	48.00	42.00
3627552.16	12.00	2.80	0.00	0.00	0.50	2.30	9.50	38.00	58.00
3627352.16	4.70	0.00	0.00	0.00	0.70	2.50	9.30	44.00	44.00
3627152.16	5.50	0.00	0.00	5.40	3.70	5.50	11.40	44.00	36.00
3626952.16	13.00	0.10	0.00	3.40	2.70	8.70	12.00	50.00	52.00
3626752.16	2.00	4.60	0.00	3.50	0.50	10.70	14.60	20.90	61.00
3626552.16	0.00	0.10	0.00	0.00	2.00	5.50	13.10	21.00	62.00
3626352.16	12.00	0.00	0.00	0.00	2.40	1.10	3.10	61.00	65.00
3626152.16	6.50	1.10	0.00	0.00	3.00	5.40	3.80	61.00	61.00
3625952.16	7.00	2.10	4.90	0.00	7.00	2.20	3.30	7.00	62.00
3625752.16	10.00	4.30	7.00	0.00	8.00	3.30	3.60	7.00	60.00
3625552.16	7.00	15.00	15.00	13.00	4.80	0.90	4.80	8.10	10.20
3625352.16	0.00	0.00	0.00	11.00	5.20	7.40	5.70	5.00	8.00
3625152.16	3.00	11.00	4.40	4.40	4.80	5.00	8.00	6.60	3.00
3624952.16	6.20	7.10	6.00	4.70	2.50	-1.80	2.80	2.10	7.60
3624752.16	2.30	1.00	2.00	-4.60	0.80	-2.40	14.00	20.00	21.00
3624552.16	3.00	4.10	-0.20	2.80	3.10	2.40	14.00	8.60	21.00
3624352.16	3.40	2.90	4.40	18.00	4.90	2.60	6.10	7.80	5.20
3624152.16	6.60	3.90	19.00	19.00	2.90	2.60	1.90	9.00	3.60
3623952.16	38.00	4.00	6.10	4.10	6.70	4.00	4.70	-0.20	3.60
3623752.16	39.00	4.10	5.90	7.20	7.20	5.00	3.30	3.90	2.60
3623552.16	36.00	6.00	8.00	8.90	4.00	3.50	4.10	0.20	1.60
3623352.16	32.00	22.00	21.00	13.00	5.30	5.60	3.50	0.80	3.30
3623152.16	22.90	23.00	24.10	21.00	3.50	4.00	7.00	15.00	4.50
3622952.16	27.50	23.10	19.50	8.70	6.10	2.40	3.20	1.70	8.10
3622752.16	27.70	23.60	20.70	20.00	1.20	9.00	13.00	3.50	2.60
3622552.16	23.20	17.10	8.50	6.00	4.20	3.00	9.00	3.60	8.00
3622352.16	20.00	11.10	6.60	4.90	-0.10	-2.10	3.00	4.70	8.00
3622152.16	38.00	5.20	5.60	3.90	0.00	0.10	10.00	9.00	2.80
3621952.16	6.70	4.10	4.90	8.00	7.00	2.60	4.00	21.00	21.00
3621752.16	5.90	8.00	7.00	6.00	4.80	2.00	7.00	2.70	21.00
3621552.16	5.90	4.10	0.00	8.00	3.90	3.00	7.80	3.10	8.00
3621352.16	3.70	2.30	2.30	2.60	3.20	4.20	5.00	3.70	5.00
3621152.16	6.70	1.10	0.20	0.00	0.00	0.00	0.00	0.00	1.00
3620952.16	4.00	3.20	2.70	0.50	16.00	1.30	20.00	20.00	1.60
3620752.16	4.80	7.00	7.00	13.00	16.00	0.00	20.00	20.00	0.00
3620552.16	4.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3620352.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

\*\*\* AERMOD - VERSION 14134 \*\*\*  
\*\*\* AERMET - VERSION 14134 \*\*\*

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\*\*\* 03/30/15  
\*\*\* 00:41:26  
PAGE 49

\*\*MODELOPTs: NonDEFAULT CONC FLAT and ELEV

\*\*\* NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART \*\*\*

\* HILL HEIGHT SCALES IN METERS \*

Y-COORD (METERS)	X-COORD (METERS)								
	479616.60	479816.60	480016.60	480216.60	480416.60	480616.60	480816.60	481016.60	481216.60
3620152.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3619952.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3619752.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3619552.16	0.00	0.00	0.00	0.00	0.00	0.00	0.30	7.40	3.20
3619352.16	0.00	11.00	19.00	17.00	19.00	2.00	6.00	3.00	4.90
3619152.16	4.70	9.90	19.00	17.00	5.00	6.20	5.40	10.10	7.40
3618952.16	5.20	5.00	15.00	17.00	7.00	37.00	37.00	8.20	4.70
3618752.16	7.40	8.90	31.00	37.00	37.00	37.00	37.00	37.00	9.10
3618552.16	17.00	31.00	18.00	31.00	20.00	12.50	37.00	16.00	27.00
3618352.16	15.00	31.00	31.00	31.00	31.00	9.30	7.30	8.90	27.00

\*\*\* AERMOD - VERSION 14134 \*\*\*  
\*\*\* AERMET - VERSION 14134 \*\*\*

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\*\*\* 03/30/15  
\*\*\* 00:41:26  
\*\*\* PAGE 50

\*\*MODELOPTs: NonDEFAULT CONC FLAT and ELEV

\*\*\* NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART \*\*\*

\* HILL HEIGHT SCALES IN METERS \*

Y-COORD (METERS)	X-COORD (METERS)								
	481416.60	481616.60	481816.60	482016.60	482216.60	482416.60	482616.60	482816.60	483016.60
3628152.16	61.10	90.00	83.40	92.60	100.00	100.00	89.00	89.00	95.00
3627952.16	57.00	66.00	75.30	86.00	94.50	100.00	89.00	88.00	86.30
3627752.16	76.00	74.00	72.10	87.00	93.90	100.00	98.00	81.00	95.00
3627552.16	52.90	73.00	85.00	98.00	92.00	97.00	98.00	95.00	85.00
3627352.16	50.00	70.00	71.60	78.90	89.00	92.50	98.00	98.00	82.00
3627152.16	54.50	62.80	77.00	80.10	82.00	97.00	97.00	97.00	96.00
3626952.16	61.00	80.00	79.00	80.00	89.00	88.00	96.00	97.00	85.00
3626752.16	80.00	82.00	81.00	81.00	79.00	88.00	97.00	97.00	85.00
3626552.16	81.00	83.00	87.00	87.00	81.00	97.00	97.00	80.00	85.00
3626352.16	65.00	65.00	82.00	88.00	96.00	96.00	61.00	80.00	77.00
3626152.16	61.00	60.90	61.70	81.00	81.00	76.00	58.50	78.00	79.40
3625952.16	60.00	62.00	64.00	69.20	74.00	72.60	74.00	79.90	80.50
3625752.16	61.00	57.00	59.00	81.00	81.00	72.00	71.80	82.00	81.00
3625552.16	59.00	70.00	81.00	81.00	81.00	76.00	75.00	85.00	83.00
3625352.16	5.90	8.00	68.00	76.00	81.00	76.00	80.00	86.00	86.00
3625152.16	6.20	10.00	8.90	7.90	16.20	15.70	83.00	83.00	86.00
3624952.16	4.20	56.00	77.00	82.00	86.00	86.00	86.00	89.00	89.00
3624752.16	15.00	67.00	77.00	86.00	86.00	86.00	89.00	89.00	89.00
3624552.16	56.00	77.00	56.00	85.00	82.00	86.00	88.00	89.00	91.00
3624352.16	67.00	80.00	67.00	66.00	84.00	81.00	80.60	86.00	89.00
3624152.16	67.00	80.00	80.00	66.70	75.10	82.50	83.00	89.00	88.50
3623952.16	6.30	80.00	87.00	83.00	79.00	75.00	82.40	80.70	87.30
3623752.16	8.00	79.00	89.00	89.00	87.00	89.00	87.00	87.50	87.80
3623552.16	5.20	64.00	89.00	89.00	89.00	89.00	88.00	83.80	84.00
3623352.16	4.00	9.10	89.00	89.00	89.00	89.00	76.00	82.00	96.00
3623152.16	0.50	5.60	89.00	89.00	89.00	89.00	76.00	89.00	70.00
3622952.16	3.50	4.20	9.00	89.00	89.00	89.00	89.00	80.00	89.00
3622752.16	3.20	6.40	7.70	9.50	70.00	89.00	82.00	83.00	89.00
3622552.16	7.10	7.00	4.10	6.60	15.00	1.70	5.70	85.00	89.00
3622352.16	3.60	4.10	1.50	12.00	15.00	4.60	6.00	19.00	88.00
3622152.16	16.00	11.00	2.60	10.80	6.80	24.00	24.00	4.60	88.00
3621952.16	21.00	6.70	17.00	15.00	12.00	15.00	22.00	42.00	42.00
3621752.16	21.00	16.00	17.00	17.00	32.00	42.00	42.00	42.00	42.00
3621552.16	4.40	6.50	4.40	5.00	2.80	4.30	42.00	42.00	42.00
3621352.16	4.30	3.70	4.40	6.20	5.70	4.40	2.60	42.00	42.00
3621152.16	11.00	4.70	3.90	6.90	3.20	2.50	14.80	2.90	3.80
3620952.16	17.00	3.60	0.80	2.50	0.60	0.00	0.00	12.00	0.40
3620752.16	11.00	0.00	0.00	10.00	9.00	0.00	0.00	0.00	0.00
3620552.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3620352.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

\*\*\* AERMOD - VERSION 14134 \*\*\*  
\*\*\* AERMET - VERSION 14134 \*\*\*

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\*\*\* 03/30/15  
\*\*\* 00:41:26  
PAGE 51

\*\*MODELOPTs: NonDEFAULT CONC FLAT and ELEV

\*\*\* NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART \*\*\*

\* HILL HEIGHT SCALES IN METERS \*

Y-COORD (METERS)	X-COORD (METERS)								
	481416.60	481616.60	481816.60	482016.60	482216.60	482416.60	482616.60	482816.60	483016.60
3620152.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3619952.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3619752.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3619552.16	4.40	1.90	6.80	13.00	13.00	0.00	0.00	0.00	0.00
3619352.16	7.20	3.10	8.30	4.40	7.10	0.00	0.00	0.00	0.00
3619152.16	5.80	5.60	9.40	6.90	3.00	0.00	0.00	0.00	0.00
3618952.16	8.70	11.50	15.70	7.50	18.00	18.00	0.00	0.00	0.00
3618752.16	10.40	8.90	11.40	9.10	10.00	14.00	15.00	0.00	0.00
3618552.16	27.00	20.00	11.40	6.40	5.90	4.70	17.00	9.00	0.00
3618352.16	27.00	26.00	13.30	6.50	4.90	2.90	5.00	11.00	4.10



\*\*MODELOPTs: NonDEFAULT CONC FLAT and ELEV

\*\*\* NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART \*\*\*

\* HILL HEIGHT SCALES IN METERS \*

Y-COORD (METERS)	X-COORD (METERS)								
	483216.60	483416.60	483616.60	483816.60	484016.60	484216.60	484416.60	484616.60	484816.60
3628152.16	91.80	97.70	109.30	112.80	104.30	108.70	109.40	106.80	107.90
3627952.16	92.00	88.70	103.10	113.70	108.10	108.70	105.50	105.00	107.30
3627752.16	93.00	93.00	107.00	110.20	108.10	104.00	103.50	105.00	104.00
3627552.16	87.30	119.00	98.60	118.00	111.50	109.00	103.00	95.50	102.10
3627352.16	103.00	119.00	118.00	108.40	111.00	106.70	98.30	86.70	103.00
3627152.16	91.00	90.00	95.00	108.20	110.30	111.50	107.00	111.00	99.00
3626952.16	74.90	88.00	95.00	114.00	110.20	103.70	107.00	89.90	109.00
3626752.16	88.00	87.00	90.70	104.20	111.50	98.30	94.70	109.00	109.00
3626552.16	85.00	81.00	88.10	97.60	100.40	94.00	92.00	81.20	109.00
3626352.16	70.90	85.00	91.50	95.80	95.50	101.00	94.00	90.00	90.00
3626152.16	78.00	82.90	87.90	92.20	90.50	86.00	76.00	94.00	94.00
3625952.16	82.00	85.00	95.00	90.40	95.00	75.00	80.00	80.00	94.00
3625752.16	79.70	86.00	96.00	98.00	103.00	103.00	103.00	100.00	92.00
3625552.16	86.00	95.00	100.00	103.00	103.00	100.00	97.00	96.00	106.00
3625352.16	86.00	95.00	97.00	99.00	99.00	98.00	96.00	106.00	107.00
3625152.16	86.00	86.00	96.00	97.00	97.00	18.70	91.00	107.00	108.00
3624952.16	89.00	81.00	82.00	86.00	104.00	104.00	106.00	107.00	109.00
3624752.16	91.00	91.00	93.00	104.00	104.00	104.00	104.00	107.00	108.00
3624552.16	91.00	91.00	93.00	104.00	104.00	104.00	104.00	91.00	107.00
3624352.16	91.00	91.00	91.00	78.70	95.00	103.00	88.40	104.00	89.00
3624152.16	89.00	85.00	82.00	87.00	104.00	104.00	96.90	91.10	92.90
3623952.16	85.40	88.50	87.00	87.00	80.50	104.00	104.00	98.00	90.30
3623752.16	85.80	87.00	87.00	82.40	81.20	91.00	89.00	91.50	108.00
3623552.16	97.00	97.00	84.00	86.00	84.90	85.00	84.50	88.90	108.00
3623352.16	84.00	97.00	88.00	87.80	81.80	80.00	86.40	86.40	88.00
3623152.16	97.00	82.80	85.70	78.60	81.80	85.00	85.00	83.00	90.10
3622952.16	89.00	87.00	83.00	81.00	85.00	85.00	79.00	92.00	90.60
3622752.16	89.00	89.00	80.00	75.30	85.00	79.00	101.00	101.00	101.00
3622552.16	89.00	88.00	71.30	80.00	79.00	101.00	76.00	101.00	93.90
3622352.16	89.00	81.00	65.00	60.00	82.00	82.00	76.50	86.00	90.00
3622152.16	81.00	72.00	67.00	66.00	68.00	82.00	86.00	76.70	84.00
3621952.16	67.00	68.00	68.00	67.00	64.00	46.00	79.00	80.00	87.00
3621752.16	42.00	68.00	68.00	66.00	52.40	90.00	90.00	90.00	90.00
3621552.16	14.40	21.00	67.00	65.00	48.00	48.00	56.80	73.50	85.00
3621352.16	16.00	21.00	21.00	48.00	27.00	37.90	65.00	68.00	71.80
3621152.16	13.00	4.90	6.10	6.60	24.00	33.40	67.00	67.00	71.00
3620952.16	0.00	15.00	15.00	7.70	12.80	35.00	35.00	53.00	56.00
3620752.16	0.00	0.00	0.00	2.50	12.00	28.00	26.10	55.00	48.20
3620552.16	0.00	0.00	0.00	10.00	5.60	18.00	36.00	33.90	44.00
3620352.16	0.00	0.00	0.00	13.00	5.50	44.00	63.00	63.00	35.50

\*\*\* AERMOD - VERSION 14134 \*\*\*  
\*\*\* AERMET - VERSION 14134 \*\*\*

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\*\*\* 03/30/15  
\*\*\* 00:41:26  
\*\*\* PAGE 53

\*\*MODELOPTs: NonDEFAULT CONC FLAT and ELEV

\*\*\* NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART \*\*\*

\* HILL HEIGHT SCALES IN METERS \*

Y-COORD (METERS)	X-COORD (METERS)								
	483216.60	483416.60	483616.60	483816.60	484016.60	484216.60	484416.60	484616.60	484816.60
3620152.16	0.00	0.00	0.00	63.00	63.00	63.00	63.00	63.00	64.00
3619952.16	0.00	10.00	3.30	63.00	63.00	63.00	63.00	63.00	69.00
3619752.16	0.00	0.90	63.00	63.00	63.00	63.00	63.00	63.00	63.00
3619552.16	0.00	10.00	9.50	63.00	63.00	63.00	63.00	40.00	47.00
3619352.16	0.00	0.00	3.60	9.00	63.00	63.00	63.00	47.00	16.70
3619152.16	0.00	0.00	2.60	3.50	6.30	29.00	29.00	9.00	7.70
3618952.16	0.00	0.00	0.00	23.00	23.00	29.00	13.50	22.00	26.00
3618752.16	0.00	0.00	0.00	0.00	23.00	6.90	2.20	23.00	12.40
3618552.16	0.00	0.00	0.00	0.00	0.00	0.00	7.00	8.30	15.00
3618352.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.00	19.00

\*\*\* AERMOD - VERSION 14134 \*\*\*  
\*\*\* AERMET - VERSION 14134 \*\*\*

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\*\*\* 03/30/15  
\*\*\* 00:41:26  
PAGE 54

\*\*MODELOPTs: NonDEFAULT CONC FLAT and ELEV

\*\*\* NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART \*\*\*

\* HILL HEIGHT SCALES IN METERS \*

Y-COORD (METERS)	X-COORD (METERS)								
	485016.60	485216.60	485416.60	485616.60	485816.60	486016.60	486216.60	486416.60	486616.60
3628152.16	122.00	122.00	107.30	107.20	135.00	135.00	127.20	121.00	124.10
3627952.16	108.00	111.00	105.00	98.40	135.00	135.00	135.00	123.00	118.10
3627752.16	103.90	105.00	98.00	108.00	135.00	105.00	135.00	125.90	119.10
3627552.16	106.10	94.20	97.00	135.00	109.00	108.60	106.30	125.00	118.20
3627352.16	95.40	94.90	107.00	111.00	109.00	109.00	108.00	106.20	123.00
3627152.16	95.80	83.10	81.80	111.00	71.10	111.00	127.00	120.00	94.00
3626952.16	100.00	96.00	83.00	109.00	70.70	109.00	127.00	127.00	127.00
3626752.16	107.00	104.00	98.00	96.00	108.00	109.00	125.00	126.00	125.00
3626552.16	109.00	98.00	96.00	80.00	74.00	75.00	107.00	120.00	115.00
3626352.16	109.00	31.50	23.00	17.60	19.90	21.30	21.50	23.00	18.80
3626152.16	94.00	79.00	55.00	55.00	17.90	18.90	25.00	112.00	123.00
3625952.16	90.00	55.00	55.00	55.00	111.00	113.00	113.00	124.00	125.00
3625752.16	55.00	107.00	111.00	113.00	113.00	113.00	113.00	124.00	126.00
3625552.16	108.00	112.00	113.00	113.00	113.00	114.00	124.00	124.00	126.00
3625352.16	112.00	113.00	114.00	114.00	114.00	114.00	124.00	124.00	124.00
3625152.16	112.00	113.00	114.00	114.00	114.00	113.00	113.00	113.00	113.00
3624952.16	112.00	113.00	108.00	113.00	110.00	113.00	110.40	107.30	106.60
3624752.16	107.00	99.00	101.60	106.10	106.90	112.50	108.20	108.30	103.70
3624552.16	107.00	91.00	92.00	104.00	107.30	111.90	106.90	106.90	100.40
3624352.16	100.00	107.00	111.00	91.10	109.00	108.30	106.50	109.00	97.90
3624152.16	93.00	93.00	87.00	111.00	111.00	108.50	107.90	104.10	94.50
3623952.16	89.40	108.00	92.00	91.70	94.00	103.30	108.10	102.50	91.40
3623752.16	98.00	98.00	91.00	91.00	95.00	95.70	106.30	102.60	91.00
3623552.16	98.20	88.80	90.30	91.40	94.20	97.00	110.00	106.90	88.20
3623352.16	103.00	103.00	90.40	89.60	90.50	95.80	97.10	107.70	109.00
3623152.16	90.70	87.30	85.30	90.40	92.50	93.00	94.80	95.00	108.00
3622952.16	86.00	92.00	95.00	89.90	90.00	91.00	96.70	96.00	96.00
3622752.16	118.00	118.00	118.00	84.70	84.30	90.70	97.30	89.90	94.00
3622552.16	118.00	118.00	118.00	87.90	93.80	91.60	96.00	93.00	85.00
3622352.16	101.00	118.00	118.00	83.90	88.10	94.10	93.40	95.00	86.00
3622152.16	93.60	94.00	118.00	85.40	92.00	89.70	92.20	91.00	95.00
3621952.16	88.50	90.00	94.00	81.40	92.00	90.00	103.00	103.00	75.00
3621752.16	86.20	98.00	98.00	88.00	86.00	92.00	92.90	103.00	103.00
3621552.16	97.00	98.00	98.00	88.00	87.90	89.70	94.20	96.00	103.00
3621352.16	80.60	80.50	98.00	86.00	82.20	93.00	87.40	93.00	94.00
3621152.16	88.00	89.00	89.00	76.30	76.50	88.00	82.00	86.00	90.00
3620952.16	76.00	71.00	89.00	80.00	76.00	83.00	81.00	75.00	86.00
3620752.16	67.00	65.00	80.00	60.70	77.00	80.00	74.00	63.00	78.00
3620552.16	43.40	54.80	45.80	53.00	53.00	79.00	72.00	66.00	74.00
3620352.16	40.80	44.70	46.10	48.00	54.00	47.30	72.00	72.00	74.00

\*\*\* AERMOD - VERSION 14134 \*\*\*  
\*\*\* AERMET - VERSION 14134 \*\*\*

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\*\*\* 03/30/15  
\*\*\* 00:41:26  
PAGE 55

\*\*MODELOPTs: NonDEFAULT CONC FLAT and ELEV

\*\*\* NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART \*\*\*

\* HILL HEIGHT SCALES IN METERS \*

Y-COORD (METERS)	X-COORD (METERS)								
	485016.60	485216.60	485416.60	485616.60	485816.60	486016.60	486216.60	486416.60	486616.60
3620152.16	69.00	69.00	69.00	46.00	44.10	45.00	51.00	69.00	55.90
3619952.16	69.00	69.00	69.00	31.60	46.00	46.00	40.00	42.60	56.00
3619752.16	69.00	69.00	69.00	69.00	27.00	36.00	28.20	51.00	54.40
3619552.16	69.00	69.00	69.00	22.70	17.20	36.00	28.00	46.00	58.00
3619352.16	16.30	12.00	16.60	19.00	14.20	14.60	21.70	42.00	42.60
3619152.16	9.40	10.60	13.90	17.10	11.00	12.40	25.20	33.60	33.60
3618952.16	28.00	28.00	5.70	9.30	4.00	23.00	22.50	33.60	34.00
3618752.16	26.00	28.00	5.50	16.00	4.20	11.50	24.00	29.00	19.00
3618552.16	8.20	0.60	2.40	3.50	6.00	7.80	15.30	14.40	15.60
3618352.16	19.00	4.30	3.40	3.00	3.10	6.30	13.40	15.80	19.30

\*\*MODELOPTs: NonDEFAULT CONC FLAT and ELEV

\*\*\* NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART \*\*\*

\* HILL HEIGHT SCALES IN METERS \*

Y-COORD (METERS)	X-COORD (METERS)								
	486816.60	487016.60	487216.60	487416.60	487616.60	487816.60	488016.60	488216.60	488416.60
3628152.16	123.00	122.00	125.00	113.00	117.00	115.00	110.80	117.10	115.00
3627952.16	118.50	122.00	124.00	114.00	122.00	109.20	111.80	110.00	110.70
3627752.16	123.00	114.80	113.40	118.00	116.00	114.00	118.00	118.00	118.00
3627552.16	123.00	113.20	117.00	122.00	122.00	118.00	118.00	118.00	118.00
3627352.16	115.00	112.00	103.00	118.00	118.00	114.00	118.00	118.00	118.00
3627152.16	115.00	105.00	103.00	118.00	117.00	117.00	114.00	117.00	127.00
3626952.16	115.00	103.00	105.00	115.00	116.00	105.00	111.00	127.00	129.00
3626752.16	122.00	115.00	103.00	105.00	105.00	115.00	127.00	129.00	129.00
3626552.16	114.00	104.00	105.00	103.00	125.00	125.00	129.00	129.00	129.00
3626352.16	72.00	72.00	124.00	123.00	126.00	128.00	129.00	129.00	129.00
3626152.16	126.00	126.00	126.00	126.00	126.00	127.00	129.00	129.00	129.00
3625952.16	126.00	126.00	126.00	127.00	127.00	128.00	128.00	114.00	129.00
3625752.16	126.00	126.00	126.00	127.00	127.00	127.00	119.10	124.50	123.00
3625552.16	126.00	126.00	126.00	126.00	126.00	127.00	127.00	122.00	121.70
3625352.16	112.00	126.00	124.00	120.40	121.00	123.00	123.00	127.00	121.50
3625152.16	112.30	124.00	120.70	123.50	121.50	120.90	124.00	122.40	120.70
3624952.16	108.20	117.00	117.00	119.50	120.90	119.30	123.00	120.60	119.30
3624752.16	106.00	109.10	116.50	116.20	116.20	119.00	122.40	119.90	124.00
3624552.16	107.50	106.50	115.60	121.20	113.50	118.00	122.00	116.20	119.70
3624352.16	104.80	104.00	112.60	118.40	116.00	115.80	116.60	118.00	117.70
3624152.16	103.00	100.80	114.70	119.00	115.20	114.00	114.00	117.00	117.00
3623952.16	99.70	100.50	110.30	119.00	114.90	114.40	111.40	113.30	113.30
3623752.16	95.50	102.10	104.80	113.30	114.90	113.30	115.80	110.30	104.20
3623552.16	91.20	96.10	104.00	110.00	113.00	113.50	112.60	124.00	124.00
3623352.16	90.20	97.40	97.00	107.10	107.50	111.60	110.40	124.00	106.30
3623152.16	85.50	90.70	96.00	104.90	107.00	107.60	107.00	107.10	105.70
3622952.16	84.30	92.20	92.60	104.30	104.90	106.00	107.90	106.00	105.00
3622752.16	85.60	89.30	92.30	102.10	104.10	103.30	103.10	103.70	105.40
3622552.16	91.20	94.00	106.00	104.50	101.00	101.00	102.20	102.10	97.10
3622352.16	86.40	90.90	105.00	97.30	102.10	98.60	101.00	98.20	98.60
3622152.16	79.80	85.60	83.90	102.00	100.00	97.70	93.90	91.50	96.30
3621952.16	79.00	80.60	78.60	94.00	97.90	95.30	93.50	92.80	94.70
3621752.16	80.80	79.30	80.60	93.00	94.00	101.00	88.10	90.00	94.00
3621552.16	77.80	75.20	76.80	93.00	92.00	90.40	92.40	94.00	89.70
3621352.16	83.00	83.00	74.20	91.00	83.50	92.00	89.70	91.90	91.00
3621152.16	83.00	76.30	80.00	79.00	89.00	88.60	87.70	90.90	81.20
3620952.16	75.00	80.00	79.00	77.30	78.20	87.20	85.20	84.40	83.00
3620752.16	62.00	72.00	72.00	74.00	72.10	81.10	85.00	86.00	76.00
3620552.16	74.00	78.00	78.00	78.00	68.10	71.50	71.50	71.90	74.90
3620352.16	74.00	74.00	69.40	67.50	66.00	73.10	76.90	77.00	64.90

\*\*\* AERMOD - VERSION 14134 \*\*\*  
\*\*\* AERMET - VERSION 14134 \*\*\*

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\*\*\* 03/30/15  
\*\*\* 00:41:26  
PAGE 57

\*\*MODELOPTs: NonDEFAULT CONC FLAT and ELEV

\*\*\* NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART \*\*\*

\* HILL HEIGHT SCALES IN METERS \*

Y-COORD (METERS)	486816.60	487016.60	487216.60	487416.60	487616.60	487816.60	488016.60	488216.60	488416.60
3620152.16	66.00	66.90	73.00	63.60	61.10	70.90	72.50	70.00	67.00
3619952.16	61.60	64.10	60.10	58.90	63.00	65.60	64.60	63.10	69.00
3619752.16	59.40	57.90	59.00	62.00	60.80	66.00	63.00	62.00	63.00
3619552.16	56.00	53.80	52.00	60.00	49.50	50.80	51.60	63.00	26.70
3619352.16	50.00	45.00	44.90	49.00	43.00	48.50	52.00	30.10	21.60
3619152.16	50.00	55.00	48.70	46.00	33.50	43.00	27.90	23.70	24.00
3618952.16	26.00	57.00	57.00	46.00	32.00	24.40	27.30	26.20	27.00
3618752.16	21.60	23.80	22.60	25.00	26.00	23.10	26.00	22.20	26.00
3618552.16	19.40	25.20	22.60	24.50	24.50	25.30	25.80	30.40	26.00
3618352.16	23.00	24.80	31.40	28.80	28.90	29.00	21.70	26.50	30.00

\*\*\* AERMOD - VERSION 14134 \*\*\*  
\*\*\* AERMET - VERSION 14134 \*\*\*

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\*\*\* 03/30/15  
\*\*\* 00:41:26  
PAGE 58

\*\*MODELOPTs: NonDEFAULT CONC FLAT and ELEV

\*\*\* NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART \*\*\*

\* HILL HEIGHT SCALES IN METERS \*

Y-COORD (METERS)	X-COORD (METERS)								
	488616.60	488816.60	489016.60	489216.60	489416.60	489616.60	489816.60	490016.60	490216.60
3628152.16	117.00	103.50	102.00	116.00	111.00	95.00	86.30	91.80	105.00
3627952.16	116.00	88.00	109.00	116.00	111.00	99.00	99.00	93.00	105.00
3627752.16	118.00	118.00	118.00	116.00	95.00	90.00	66.00	76.00	93.00
3627552.16	118.00	118.00	118.00	110.00	95.00	90.00	67.00	76.00	92.00
3627352.16	118.00	115.00	115.00	117.00	23.70	59.00	61.00	63.00	44.00
3627152.16	127.00	125.00	127.00	127.00	123.00	124.00	124.00	124.00	124.00
3626952.16	129.00	129.00	129.00	129.00	125.00	127.00	124.00	124.00	124.00
3626752.16	129.00	129.00	129.00	129.00	129.00	129.00	125.00	124.00	124.00
3626552.16	129.00	129.00	129.00	129.00	125.00	129.00	124.00	124.00	124.00
3626352.16	129.00	129.00	125.00	125.00	123.00	127.00	118.80	124.00	124.00
3626152.16	129.00	125.60	129.00	120.00	129.00	121.00	124.00	119.90	118.00
3625952.16	120.70	121.00	123.00	127.00	129.00	118.00	116.10	115.90	116.00
3625752.16	124.00	122.20	121.80	122.30	124.00	114.00	119.00	114.30	114.00
3625552.16	123.00	124.10	124.80	122.00	125.00	118.00	114.30	118.80	110.00
3625352.16	123.70	123.00	123.00	124.00	120.00	114.00	112.00	113.20	115.90
3625152.16	124.70	122.60	121.90	121.30	117.80	114.10	112.00	113.40	113.70
3624952.16	123.10	122.70	124.00	122.80	119.80	113.60	109.60	115.50	112.60
3624752.16	120.90	124.90	123.50	123.80	116.30	113.50	109.60	116.30	114.00
3624552.16	118.30	122.20	126.40	122.80	119.50	116.20	119.00	115.10	115.00
3624352.16	118.40	118.90	118.80	117.90	118.80	116.10	109.50	114.90	114.80
3624152.16	115.30	117.20	119.50	119.10	117.00	114.90	111.40	114.20	113.60
3623952.16	114.80	116.50	121.00	120.40	113.60	114.80	112.90	113.90	113.30
3623752.16	112.60	115.00	116.00	112.10	110.70	113.80	114.00	113.20	112.90
3623552.16	105.80	113.80	114.00	111.80	108.10	111.00	110.00	112.10	110.10
3623352.16	98.00	108.00	109.00	108.40	108.60	105.00	107.30	107.30	109.60
3623152.16	106.00	105.00	105.30	105.10	102.60	103.30	103.00	109.30	108.30
3622952.16	103.60	102.00	99.10	104.10	100.00	99.00	103.20	103.10	106.00
3622752.16	98.90	99.10	102.00	96.80	97.00	98.00	100.10	100.60	102.60
3622552.16	99.10	97.00	100.00	96.00	99.00	94.30	94.80	98.00	94.70
3622352.16	98.90	89.10	93.50	97.00	98.00	95.10	93.60	93.10	95.00
3622152.16	97.60	91.50	91.50	94.00	93.00	90.50	91.00	92.00	87.00
3621952.16	94.70	91.40	95.00	87.00	80.00	80.20	93.00	89.10	91.70
3621752.16	86.30	88.10	93.50	82.70	82.00	91.00	87.60	90.10	86.00
3621552.16	86.00	87.00	89.60	84.30	86.00	79.00	83.40	84.90	81.90
3621352.16	93.00	81.00	87.00	78.00	84.00	67.70	73.10	82.00	77.00
3621152.16	91.00	81.00	81.00	65.80	84.00	68.00	72.00	72.10	76.00
3620952.16	80.00	80.00	76.00	81.00	71.00	68.10	62.00	67.00	79.00
3620752.16	64.00	69.00	60.50	78.00	61.10	70.00	63.00	60.00	75.00
3620552.16	65.70	74.00	70.00	65.00	64.00	62.00	64.00	59.00	62.00
3620352.16	65.00	69.00	63.00	55.30	54.70	67.00	48.00	48.80	64.00

\*\*\* AERMOD - VERSION 14134 \*\*\*  
\*\*\* AERMET - VERSION 14134 \*\*\*

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\*\*\* 03/30/15  
\*\*\* 00:41:26  
PAGE 59

\*\*MODELOPTs: NonDEFAULT CONC FLAT and ELEV

\*\*\* NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART \*\*\*

\* HILL HEIGHT SCALES IN METERS \*

Y-COORD (METERS)	488616.60	488816.60	489016.60	489216.60	489416.60	489616.60	489816.60	490016.60	490216.60
3620152.16	58.00	69.00	53.00	52.00	64.00	56.00	55.00	47.00	44.20
3619952.16	60.00	60.00	52.00	55.00	56.00	56.00	52.00	54.00	58.00
3619752.16	60.00	60.00	54.00	50.10	54.50	53.30	56.30	54.00	50.30
3619552.16	31.00	52.00	52.00	49.70	54.10	49.20	49.40	44.10	46.40
3619352.16	14.90	45.00	45.00	40.10	45.10	47.30	41.70	41.20	42.60
3619152.16	11.40	39.00	38.50	33.10	42.40	53.00	37.40	40.50	38.40
3618952.16	13.10	27.70	29.30	42.00	39.00	38.00	43.00	46.00	49.00
3618752.16	13.20	20.00	29.00	42.00	30.60	40.00	37.40	44.00	51.00
3618552.16	19.00	28.00	30.60	31.20	31.40	38.10	43.00	39.60	42.00
3618352.16	12.20	22.70	28.90	26.50	32.00	35.30	37.80	27.70	25.40



\*\*MODELOPTs: NonDEFAULT CONC FLAT and ELEV

\*\*\* NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART \*\*\*

\* HILL HEIGHT SCALES IN METERS \*

Y-COORD (METERS)	X-COORD (METERS)								
	490416.60	490616.60	490816.60	491016.60	491216.60	491416.60	491616.60	491816.60	492016.60
3628152.16	105.00	93.00	33.60	51.00	52.00	57.80	94.00	89.50	88.40
3627952.16	98.00	93.00	33.80	40.50	55.00	91.00	81.70	91.50	97.00
3627752.16	93.00	27.60	26.00	40.00	80.00	79.00	89.00	89.00	100.00
3627552.16	76.00	22.60	30.00	79.00	80.00	78.00	80.20	83.90	126.00
3627352.16	24.70	112.00	112.00	112.00	79.00	77.00	82.00	91.00	136.00
3627152.16	124.00	119.00	115.00	119.00	122.00	135.00	137.00	139.00	141.00
3626952.16	124.00	124.00	119.00	119.00	123.00	135.00	139.00	139.00	141.00
3626752.16	124.00	124.00	112.00	112.00	107.00	120.00	139.00	104.40	126.00
3626552.16	124.00	124.00	114.00	111.00	123.00	119.00	123.00	139.00	124.60
3626352.16	114.00	124.00	122.00	110.00	119.00	123.00	123.00	139.00	135.00
3626152.16	119.00	110.00	122.00	122.00	122.00	121.00	120.90	116.60	136.00
3625952.16	117.60	111.90	118.00	122.00	126.00	125.00	122.00	120.20	136.00
3625752.16	110.30	119.00	119.00	118.00	111.00	128.00	128.00	128.00	125.00
3625552.16	117.00	114.00	113.00	124.00	118.00	118.70	119.40	120.00	129.00
3625352.16	112.90	112.00	113.00	117.00	127.00	121.00	125.90	123.20	125.00
3625152.16	110.00	115.00	118.00	116.00	116.20	128.00	122.40	124.10	123.30
3624952.16	110.80	111.00	118.00	118.00	116.70	117.00	122.40	123.90	122.00
3624752.16	109.50	113.00	108.90	118.00	112.00	117.90	120.00	121.80	121.10
3624552.16	110.20	110.30	111.70	112.20	107.80	112.80	118.90	117.50	120.90
3624352.16	111.00	110.50	114.10	111.20	112.00	109.00	112.00	119.30	123.40
3624152.16	113.00	113.70	112.50	112.50	112.60	109.90	110.50	115.00	117.60
3623952.16	111.10	113.30	110.90	111.80	109.90	108.30	106.60	116.00	126.00
3623752.16	112.30	113.10	110.40	109.00	108.80	108.00	105.00	107.00	101.10
3623552.16	114.00	113.00	110.60	108.00	108.00	107.60	99.20	104.80	107.00
3623352.16	111.00	112.70	109.90	108.90	106.90	107.00	107.00	105.00	106.00
3623152.16	110.90	110.00	109.00	105.00	106.90	105.90	104.00	101.00	99.30
3622952.16	107.80	106.00	110.50	105.50	103.40	106.60	109.00	97.90	98.60
3622752.16	102.60	103.00	108.90	102.60	101.30	104.00	107.00	98.30	101.00
3622552.16	95.30	102.10	105.90	101.40	89.00	98.60	106.00	94.50	98.00
3622352.16	93.20	96.30	96.70	98.60	96.00	95.00	106.00	90.00	98.00
3622152.16	92.60	90.70	89.40	95.40	98.00	98.00	79.10	90.00	90.00
3621952.16	88.30	94.10	95.00	90.60	98.00	88.00	82.00	86.00	84.00
3621752.16	81.70	89.20	87.90	92.00	93.00	85.50	88.00	73.70	70.90
3621552.16	81.80	87.00	88.00	88.00	81.50	85.00	88.00	73.20	74.00
3621352.16	82.00	87.00	89.00	80.10	85.00	86.00	61.00	79.00	73.60
3621152.16	75.00	86.00	81.00	78.00	85.00	85.00	77.00	78.00	67.60
3620952.16	80.00	76.00	74.50	81.00	85.00	64.00	67.30	75.00	76.40
3620752.16	75.00	70.50	76.00	80.00	73.00	71.40	68.10	71.10	75.60
3620552.16	71.00	75.00	72.00	71.00	69.90	73.50	72.70	71.00	75.00
3620352.16	44.50	67.00	67.00	65.60	69.40	70.80	68.30	68.40	70.00

\*\*\* AERMOD - VERSION 14134 \*\*\*  
\*\*\* AERMET - VERSION 14134 \*\*\*

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\*\*\* 03/30/15  
\*\*\* 00:41:26  
PAGE 61

\*\*MODELOPTs: NonDEFAULT CONC FLAT and ELEV

\*\*\* NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART \*\*\*

\* HILL HEIGHT SCALES IN METERS \*

Y-COORD (METERS)	X-COORD (METERS)								
	490416.60	490616.60	490816.60	491016.60	491216.60	491416.60	491616.60	491816.60	492016.60
3620152.16	56.00	57.80	65.70	72.00	69.10	66.40	64.10	62.90	65.40
3619952.16	56.00	64.00	71.00	57.00	60.10	59.00	66.00	61.10	60.20
3619752.16	58.00	56.10	56.80	56.40	57.30	58.50	62.00	52.90	59.00
3619552.16	42.30	50.00	51.60	53.40	56.40	55.00	51.40	53.70	77.00
3619352.16	42.80	47.00	49.50	51.50	44.40	51.10	44.70	44.10	77.00
3619152.16	41.40	43.00	46.80	44.50	48.00	53.00	53.00	34.50	70.00
3618952.16	45.00	43.20	47.00	45.00	40.00	26.10	27.20	47.00	36.50
3618752.16	49.70	46.00	47.00	25.40	25.20	31.50	39.40	48.90	45.10
3618552.16	45.00	46.00	46.00	29.10	35.50	43.70	46.20	51.80	53.80
3618352.16	38.00	24.00	22.40	30.00	35.80	41.40	47.30	53.60	51.20

\*\*\* AERMOD - VERSION 14134 \*\*\*  
\*\*\* AERMET - VERSION 14134 \*\*\*

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\*\*\* 03/30/15  
\*\*\* 00:41:26  
\*\*\* PAGE 62

\*\*MODELOPTs: NonDEFAULT CONC FLAT and ELEV

\*\*\* NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART \*\*\*

\* HILL HEIGHT SCALES IN METERS \*

Y-COORD (METERS)	X-COORD (METERS)								
	492216.60	492416.60	492616.60	492816.60	493016.60	493216.60	493416.60	493616.60	493816.60
3628152.16	95.20	99.50	99.90	254.00	254.00	254.00	254.00	254.00	254.00
3627952.16	96.20	99.00	130.00	254.00	254.00	254.00	254.00	254.00	254.00
3627752.16	97.70	130.00	131.00	123.20	130.00	254.00	254.00	254.00	254.00
3627552.16	126.00	126.00	126.00	131.00	125.70	129.60	254.00	254.00	254.00
3627352.16	126.00	126.00	126.00	126.00	115.00	132.00	253.00	254.00	254.00
3627152.16	141.00	141.00	254.00	254.00	254.00	254.00	254.00	252.00	253.00
3626952.16	141.00	141.00	145.00	254.00	254.00	254.00	254.00	250.00	253.00
3626752.16	136.00	141.00	141.00	131.00	145.00	141.00	137.00	243.00	253.00
3626552.16	137.00	141.00	141.00	126.00	133.00	137.50	141.00	144.00	135.00
3626352.16	135.90	133.70	141.00	133.90	131.00	145.00	136.70	140.50	131.50
3626152.16	127.80	135.00	129.70	138.30	144.00	149.00	140.00	138.00	141.00
3625952.16	136.00	135.00	125.20	136.10	141.20	143.60	139.10	144.70	143.40
3625752.16	106.00	122.00	141.00	140.90	143.90	142.00	135.60	141.50	146.60
3625552.16	130.00	141.00	146.00	146.00	139.00	143.00	144.00	143.00	143.60
3625352.16	130.00	128.80	136.00	135.00	144.00	140.00	142.00	142.00	137.60
3625152.16	130.00	130.00	132.00	141.00	136.40	139.00	135.40	142.70	146.00
3624952.16	111.00	123.10	131.00	134.00	140.10	144.00	143.00	145.00	144.70
3624752.16	120.00	115.70	126.00	132.20	140.00	144.00	141.40	144.20	142.20
3624552.16	119.40	127.80	132.00	128.20	139.50	147.00	147.00	135.40	141.20
3624352.16	116.10	126.10	124.30	125.50	132.10	145.00	145.00	143.00	144.70
3624152.16	126.00	124.00	112.70	118.00	130.00	139.00	147.90	151.00	131.90
3623952.16	126.00	120.30	122.00	121.00	121.40	150.00	145.00	151.00	151.00
3623752.16	126.00	117.00	124.00	120.80	119.90	150.00	150.00	151.00	147.00
3623552.16	98.40	103.90	107.00	112.00	112.00	150.00	150.00	150.00	150.00
3623352.16	103.60	108.00	108.00	112.00	112.00	148.00	150.00	147.00	143.00
3623152.16	107.00	113.00	113.00	119.00	126.00	121.00	150.00	147.00	146.00
3622952.16	107.00	113.00	111.00	106.30	115.00	117.60	150.00	147.00	147.00
3622752.16	107.00	78.00	120.00	124.00	126.00	126.00	138.00	129.80	136.60
3622552.16	89.00	88.00	91.30	120.00	122.00	123.30	124.70	146.00	144.90
3622352.16	82.20	89.80	94.00	124.00	124.00	128.00	129.00	141.00	149.00
3622152.16	87.00	84.90	90.50	121.00	121.00	130.00	134.00	146.00	155.00
3621952.16	79.50	85.00	111.00	129.00	128.00	128.70	131.00	147.00	143.50
3621752.16	82.30	83.10	113.00	113.30	125.00	128.10	129.20	132.90	138.70
3621552.16	79.10	84.40	125.00	126.00	125.40	124.30	129.60	131.00	130.00
3621352.16	78.50	81.20	98.00	110.80	112.20	131.00	131.00	133.00	141.00
3621152.16	72.10	97.00	98.10	110.00	100.00	113.00	131.00	141.00	142.00
3620952.16	71.20	94.00	99.00	104.00	105.00	136.00	140.00	140.00	140.00
3620752.16	85.00	91.00	95.00	105.00	136.00	136.00	108.30	124.00	140.00
3620552.16	77.10	91.00	91.00	136.00	136.00	136.00	136.00	140.00	136.00
3620352.16	68.30	91.00	103.00	84.60	101.00	133.00	136.00	136.00	134.00

\*\*\* AERMOD - VERSION 14134 \*\*\*  
\*\*\* AERMET - VERSION 14134 \*\*\*

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\*\*\* 03/30/15  
\*\*\* 00:41:26  
\*\*\* PAGE 63

\*\*MODELOPTs: NonDEFAULT CONC FLAT and ELEV

\*\*\* NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART \*\*\*

\* HILL HEIGHT SCALES IN METERS \*

Y-COORD (METERS)	X-COORD (METERS)								
	492216.60	492416.60	492616.60	492816.60	493016.60	493216.60	493416.60	493616.60	493816.60
3620152.16	67.00	84.00	86.00	82.00	125.00	133.00	125.00	136.00	132.00
3619952.16	67.00	80.00	86.00	86.00	90.70	93.10	125.00	112.00	139.00
3619752.16	77.00	64.90	81.00	82.50	82.80	88.00	93.00	90.00	139.00
3619552.16	77.00	74.00	83.20	84.00	80.90	78.00	84.00	80.60	86.00
3619352.16	69.00	75.00	76.00	82.00	77.00	73.00	72.60	77.00	67.30
3619152.16	77.00	84.00	84.00	83.00	83.00	78.00	60.00	127.00	132.00
3618952.16	47.00	44.90	48.40	92.00	92.00	92.00	81.00	74.90	82.50
3618752.16	48.10	50.80	82.00	92.00	92.00	92.00	77.10	84.90	92.00
3618552.16	52.40	64.40	69.00	78.10	90.20	92.00	84.80	91.80	99.10
3618352.16	49.60	55.10	66.40	75.90	87.80	89.00	81.00	87.50	89.90

\*\*\* AERMOD - VERSION 14134 \*\*\*  
\*\*\* AERMET - VERSION 14134 \*\*\*

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\*\*\* 03/30/15  
\*\*\* 00:41:26  
PAGE 64

\*\*MODELOPTs: NonDEFAULT CONC FLAT and ELEV

\*\*\* NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART \*\*\*

\* HILL HEIGHT SCALES IN METERS \*

Y-COORD (METERS)	494016.60	494216.60	494416.60	X-COORD (METERS)
3628152.16	254.00	254.00	250.70	
3627952.16	254.00	239.00	239.70	
3627752.16	254.00	253.00	252.00	
3627552.16	254.00	254.00	254.00	
3627352.16	254.00	254.00	254.00	
3627152.16	254.00	254.00	254.00	
3626952.16	254.00	253.00	254.00	
3626752.16	254.00	253.00	253.00	
3626552.16	137.00	140.00	140.00	
3626352.16	137.00	140.00	140.00	
3626152.16	133.60	140.00	141.00	
3625952.16	142.70	137.20	136.10	
3625752.16	144.40	140.00	138.10	
3625552.16	142.20	143.10	141.10	
3625352.16	146.00	142.20	143.90	
3625152.16	145.10	146.50	144.20	
3624952.16	143.50	146.30	145.00	
3624752.16	145.40	145.10	142.00	
3624552.16	145.90	143.50	142.00	
3624352.16	136.00	142.00	137.00	
3624152.16	140.00	144.00	115.60	
3623952.16	138.00	140.00	140.00	
3623752.16	142.00	131.00	138.30	
3623552.16	136.00	136.00	143.00	
3623352.16	141.10	132.70	141.80	
3623152.16	139.90	136.90	142.80	
3622952.16	141.00	133.20	139.10	
3622752.16	138.00	150.00	143.80	
3622552.16	146.50	152.00	143.20	
3622352.16	149.00	143.00	142.00	
3622152.16	155.00	142.40	150.00	
3621952.16	137.20	137.50	138.00	
3621752.16	134.90	132.90	141.00	
3621552.16	134.00	141.00	141.00	
3621352.16	142.00	141.00	141.00	
3621152.16	142.00	142.00	141.00	
3620952.16	140.00	142.00	137.40	
3620752.16	139.10	142.00	143.00	
3620552.16	136.60	142.00	145.00	
3620352.16	142.00	145.00	145.00	

\*\*\* AERMOD - VERSION 14134 \*\*\*  
\*\*\* AERMET - VERSION 14134 \*\*\*

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\*\*\* 03/30/15  
\*\*\* 00:41:26  
PAGE 65

\*\*MODELOPTs: NonDEFAULT CONC FLAT and ELEV

\*\*\* NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART \*\*\*

\* HILL HEIGHT SCALES IN METERS \*

Y-COORD (METERS)	494016.60	494216.60	494416.60	X-COORD (METERS)
3620152.16	143.00	139.00	143.00	
3619952.16	127.00	139.00	145.00	
3619752.16	139.00	139.00	145.00	
3619552.16	139.00	139.00	139.00	
3619352.16	139.00	139.00	132.00	
3619152.16	132.00	132.00	132.00	
3618952.16	132.00	132.00	132.00	
3618752.16	130.00	130.00	132.00	
3618552.16	99.40	124.00	127.00	
3618352.16	102.00	132.00	132.00	

\*\*MODELOPTs:    NonDEFAULT CONC            FLAT and    ELEV

\* SOURCE-RECEPTOR COMBINATIONS FOR WHICH CALCULATIONS MAY NOT BE PERFORMED \*  
 LESS THAN 1.0 METER; WITHIN OPENPIT; OR BEYOND 80KM FOR FASTAREA/FASTALL

SOURCE ID	- - RECEPTOR LOCATION - - XR (METERS)    YR (METERS)	DISTANCE (METERS)
L0000913	486016.6    3620552.2	-15.39
L0000914	486016.6    3620552.2	-9.88
L0000919	485816.6    3620752.2	-0.01
L0000922	485616.6    3620752.2	-13.39
L0000923	485616.6    3620752.2	-14.82
L0000926	485416.6    3620752.2	-1.27
L0000927	485416.6    3620752.2	-6.95
L0000935	485016.6    3620552.2	-7.62
L0000936	485016.6    3620552.2	-11.48
L0000939	484816.6    3620552.2	-26.81
L0000940	484816.6    3620552.2	-18.62
L0000951	484416.6    3620952.2	-12.28
L0000956	484216.6    3621152.2	-28.40
L0000957	484216.6    3621152.2	-21.61
L0000962	484016.6    3621352.2	-8.04
L0000971	483816.6    3621752.2	-13.58
L0000976	483616.6    3621952.2	-7.63
L0000977	483616.6    3621952.2	-39.33
L0000991	483216.6    3622552.2	-17.82
L0000992	483216.6    3622552.2	-1.67
L0001000	482816.6    3622752.2	-4.65
L0001005	482616.6    3622952.2	-12.06
L0001006	482616.6    3622952.2	-2.04
L0001014	482216.6    3623152.2	-28.10
L0001015	482216.6    3623152.2	-9.37
L0001022	481816.6    3623352.2	0.24
L0001023	481816.6    3623352.2	-27.16
L0001028	481616.6    3623552.2	-12.58
L0001029	481616.6    3623552.2	-12.02
L0001049	481016.6    3624352.2	-3.54
L0001098	481416.6    3624752.2	-8.00
L0001069	481616.6    3624752.2	-19.22
L0001070	481616.6    3624752.2	-30.41
L0001073	481816.6    3624752.2	-14.22
L0001074	481816.6    3624752.2	-27.77
L0001077	482016.6    3624752.2	-14.20
L0001078	482016.6    3624752.2	-25.72
L0001129	484016.6    3624752.2	-11.39
L0001130	484016.6    3624752.2	-27.91
L0001133	484216.6    3624752.2	-5.19

\*\*MODELOPTs: NonDEFAULT CONC FLAT and ELEV

\* SOURCE-RECEPTOR COMBINATIONS FOR WHICH CALCULATIONS MAY NOT BE PERFORMED \*  
 LESS THAN 1.0 METER; WITHIN OPENPIT; OR BEYOND 80KM FOR FASTAREA/FASTALL

SOURCE ID	- - RECEPTOR LOCATION - - XR (METERS)	YR (METERS)	DISTANCE (METERS)
L0001134	484216.6	3624752.2	-9.23
L0001142	484616.6	3624952.2	-22.12
L0001143	484616.6	3624952.2	-20.43
L0001155	485216.6	3625152.2	-29.75
L0001156	485216.6	3625152.2	-19.20
L0001168	485816.6	3625352.2	-44.64
L0001169	485816.6	3625352.2	-3.44
L0001180	486416.6	3625552.2	-9.97
L0001181	486416.6	3625552.2	-26.22
L0001189	486816.6	3625752.2	-15.61
L0001190	486816.6	3625752.2	-33.00
L0001202	487416.6	3625952.2	-28.31
L0001203	487416.6	3625952.2	-5.46
L0001206	487616.6	3625952.2	-14.40
L0001214	488016.6	3626152.2	-17.61
L0001215	488016.6	3626152.2	-32.40
L0001224	488416.6	3626352.2	0.42
L0001229	488616.6	3626552.2	-35.48
L0001230	488616.6	3626552.2	-1.47
L0001238	489016.6	3626752.2	-24.08
L0001241	489216.6	3626752.2	-6.11
L0001242	489216.6	3626752.2	-34.40
L0001245	489416.6	3626752.2	-7.31
L0001246	489416.6	3626752.2	-37.98
L0001250	489616.6	3626752.2	-37.11
L0001251	489616.6	3626752.2	-12.73
L0001254	489816.6	3626752.2	-36.77
L0001255	489816.6	3626752.2	-12.50
L0001258	490016.6	3626752.2	-34.26
L0001259	490016.6	3626752.2	-11.44
L0001262	490216.6	3626752.2	-29.99
L0001263	490216.6	3626752.2	-7.75
L0001266	490416.6	3626752.2	-9.26
L0001279	491016.6	3626952.2	-5.13
L0001282	491216.6	3626952.2	-11.28
L0001283	491216.6	3626952.2	-37.66
L0001286	491416.6	3626952.2	-9.83
L0001287	491416.6	3626952.2	-30.39
L0001290	491616.6	3626952.2	-0.62
L0001291	491616.6	3626952.2	-14.03



\*\*MODELOPTs:    NonDEFAULT CONC            FLAT and    ELEV

\* SOURCE-RECEPTOR COMBINATIONS FOR WHICH CALCULATIONS MAY NOT BE PERFORMED \*  
 LESS THAN 1.0 METER; WITHIN OPENPIT; OR BEYOND 80KM FOR FASTAREA/FASTALL

SOURCE ID	- - RECEPTOR LOCATION - - XR (METERS)    YR (METERS)	DISTANCE (METERS)
L0001295	491816.6    3626952.2	-4.01
L0001299	492016.6    3626952.2	-3.60
L0001303	492216.6    3626952.2	-30.70
L0001304	492216.6    3626952.2	-13.96
L0001307	492416.6    3626952.2	-22.61
L0001308	492416.6    3626952.2	-5.33
L0001338	490416.6    3620352.2	-4.75
L0001339	490416.6    3620352.2	-8.81
L0001342	490416.6    3620552.2	-12.19
L0001343	490416.6    3620552.2	-11.17
L0001364	489816.6    3621352.2	-1.93
L0001369	489616.6    3621552.2	-18.47
L0001370	489616.6    3621552.2	-24.59
L0001375	489416.6    3621752.2	-18.29
L0001376	489416.6    3621752.2	-30.90
L0001388	489216.6    3622352.2	-35.59
L0001389	489216.6    3622352.2	-13.15
L0001397	489016.6    3622752.2	-29.88
L0001398	489016.6    3622752.2	-6.27
L0001403	488816.6    3622952.2	-11.22
L0001411	488616.6    3623352.2	-9.76
L0001412	488616.6    3623352.2	-16.33
L0001420	488416.6    3623752.2	-32.75
L0001421	488416.6    3623752.2	-17.06
L0001432	488216.6    3624352.2	-12.28
L0001433	488216.6    3624352.2	-14.31
L0001436	488216.6    3624552.2	-18.37
L0001437	488216.6    3624552.2	-10.91
L0001449	488016.6    3625152.2	-39.22
L0001450	488016.6    3625152.2	-0.24
L0001453	488016.6    3625352.2	-3.83
L0001461	487816.6    3625752.2	-6.43
L0001462	487816.6    3625752.2	-18.28
L0001472	489016.6    3620152.2	-0.44
L0001476	489016.6    3620352.2	-28.80
L0001477	489016.6    3620352.2	-19.29
L0001485	489216.6    3620752.2	-10.50
L0001486	489216.6    3620752.2	-0.73
L0001491	489416.6    3620952.2	-12.79
L0001511	489416.6    3621952.2	-3.36

\*\*MODELOPTs:    NonDEFAULT CONC            FLAT and    ELEV

\* SOURCE-RECEPTOR COMBINATIONS FOR WHICH CALCULATIONS MAY NOT BE PERFORMED \*  
 LESS THAN 1.0 METER; WITHIN OPENPIT; OR BEYOND 80KM FOR FASTAREA/FASTALL

SOURCE ID	- - RECEPTOR LOCATION - - XR (METERS)    YR (METERS)	DISTANCE (METERS)
L0001512	489416.6    3621952.2	-6.37
L0001515	489416.6    3622152.2	-18.69
L0001516	489416.6    3622152.2	-8.20
L0001523	489416.6    3622552.2	-12.13
L0001524	489416.6    3622552.2	-37.10
L0001538	489816.6    3623152.2	-20.41
L0001539	489816.6    3623152.2	0.67
L0001542	489816.6    3623352.2	-42.20
L0001543	489816.6    3623352.2	-3.41
L0001546	489816.6    3623552.2	-35.44
L0001549	489816.6    3623752.2	-12.67
L0001550	489816.6    3623752.2	-35.48
L0001553	489816.6    3623952.2	-12.69
L0001554	489816.6    3623952.2	-35.51
L0001557	489816.6    3624152.2	-12.70
L0001558	489816.6    3624152.2	-25.21
L0001561	489816.6    3624352.2	-20.62
L0001562	489816.6    3624352.2	-22.56
L0001565	489816.6    3624552.2	-17.21
L0001566	489816.6    3624552.2	-18.77
L0001569	489816.6    3624752.2	-12.96
L0001570	489816.6    3624752.2	-14.19
L0001573	489816.6    3624952.2	-5.00
L0001574	489816.6    3624952.2	-4.75
L0001586	489616.6    3625552.2	-8.01
L0001595	489416.6    3625952.2	-16.10
L0001599	489416.6    3626152.2	-2.56
L0001712	486216.6    3619552.2	-15.40
L0001715	486416.6    3619552.2	-9.98
L0001716	486416.6    3619552.2	-5.56
L0001719	486616.6    3619552.2	0.42
L0001636	487416.6    3619552.2	0.84
L0001639	487616.6    3619552.2	0.32
L0001640	487616.6    3619552.2	-9.56
L0001643	487816.6    3619552.2	-13.78
L0001644	487816.6    3619552.2	-33.55
L0001656	488416.6    3619752.2	-17.46
L0001657	488416.6    3619752.2	-32.26
L0001669	489016.6    3619952.2	-12.83
L0001672	489216.6    3619952.2	-7.72

\*\*\* AERMOD - VERSION 14134 \*\*\* H:\RECON\6806\AERMOD\Fut\6086\_Fut\6086\_Fut.isc  
\*\*\* AERMET - VERSION 14134 \*\*\*

\*\*\* 03/30/15  
\*\*\* 00:41:26  
PAGE 70

\*\*MODELOPTs: NonDEFAULT CONC FLAT and ELEV

\* SOURCE-RECEPTOR COMBINATIONS FOR WHICH CALCULATIONS MAY NOT BE PERFORMED \*  
LESS THAN 1.0 METER; WITHIN OPENPIT; OR BEYOND 80KM FOR FASTAREA/FASTALL

SOURCE ID	- - RECEPTOR LOCATION - - XR (METERS) YR (METERS)	DISTANCE (METERS)
L0001673	489216.6 3619952.2	-40.00
L0001677	489416.6 3619952.2	0.37
L0001693	490216.6 3620152.2	-13.00
L0001694	490216.6 3620152.2	-5.32



\*\*MODELOPTs: NonDEFAULT CONC FLAT and ELEV

\*\*\* UP TO THE FIRST 24 HOURS OF METEOROLOGICAL DATA \*\*\*

Surface file: ..\Met\MET156459\_2008\_2013.SFC  
 Profile file: ..\Met\MET156459\_2008\_2013.PFL  
 Surface format: FREE  
 Profile format: FREE  
 Surface station no.: 23188  
 Name: SAN\_DIEGO/LINDBERGH\_FIELD  
 Year: 2008

Upper air station no.: 3190  
 Name: UNKNOWN  
 Year: 2008

Met Version: 14134

First 24 hours of scalar data

YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O	LEN	Z0	BOWEN	ALBEDO	REF	WS	WD	HT	REF	TA	HT
08	01	01	1	01	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.14	1.15	1.00	0.00	0.00	0.00	0.	10.0	282.5	2.0	
08	01	01	1	02	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.14	1.15	1.00	0.00	0.00	0.00	0.	10.0	282.0	2.0	
08	01	01	1	03	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.14	1.15	1.00	0.00	0.00	0.00	0.	10.0	281.4	2.0	
08	01	01	1	04	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.14	1.15	1.00	0.00	0.00	0.00	0.	10.0	280.9	2.0	
08	01	01	1	05	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.14	1.15	1.00	0.00	0.00	0.00	0.	10.0	280.4	2.0	
08	01	01	1	06	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.14	1.15	1.00	0.00	0.00	0.00	0.	10.0	280.4	2.0	
08	01	01	1	07	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.14	1.15	1.00	0.00	0.00	0.00	0.	10.0	280.4	2.0	
08	01	01	1	08	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.14	1.15	0.50	0.00	0.00	0.00	0.	10.0	281.4	2.0	
08	01	01	1	09	19.4	0.239	0.297	0.007	49.	280.	-63.8	0.13	1.15	0.30	2.36	337.	10.0	283.8	2.0			
08	01	01	1	10	19.3	0.188	0.334	0.006	70.	197.	-31.4	0.13	1.15	0.23	1.76	341.	10.0	287.0	2.0			
08	01	01	1	11	63.2	-9.000	-9.000	-9.000	152.	-999.	-99999.0	0.14	1.15	0.21	0.00	0.00	0.	10.0	290.4	2.0		
08	01	01	1	12	71.9	0.255	0.811	0.007	269.	309.	-20.9	0.12	1.15	0.20	2.36	306.	10.0	292.0	2.0			
08	01	01	1	13	71.0	0.336	0.939	0.009	424.	467.	-48.5	0.12	1.15	0.20	3.36	313.	10.0	292.5	2.0			
08	01	01	1	14	60.7	0.251	0.955	0.010	521.	306.	-23.8	0.12	1.15	0.21	2.36	319.	10.0	292.5	2.0			
08	01	01	1	15	41.9	0.251	0.875	0.011	579.	301.	-34.1	0.13	1.15	0.24	2.36	332.	10.0	293.1	2.0			
08	01	01	1	16	23.6	0.186	0.735	0.011	610.	194.	-24.9	0.12	1.15	0.33	1.76	304.	10.0	293.8	2.0			
08	01	01	1	17	11.2	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.14	1.15	0.60	0.00	0.00	0.	10.0	289.9	2.0		
08	01	01	1	18	-1.2	0.040	-9.000	-9.000	-999.	19.	5.0	0.12	1.15	1.00	0.90	312.	10.0	288.8	2.0			
08	01	01	1	19	-2.2	0.055	-9.000	-9.000	-999.	31.	7.0	0.15	1.15	1.00	1.16	7.	10.0	288.1	2.0			
08	01	01	1	20	-3.1	0.066	-9.000	-9.000	-999.	41.	8.5	0.15	1.15	1.00	1.40	2.	10.0	287.5	2.0			
08	01	01	1	21	-1.7	0.050	-9.000	-9.000	-999.	27.	6.4	0.16	1.15	1.00	1.03	34.	10.0	286.4	2.0			
08	01	01	1	22	-4.2	0.073	-9.000	-9.000	-999.	48.	8.6	0.13	1.15	1.00	1.59	341.	10.0	285.4	2.0			
08	01	01	1	23	-4.0	0.068	-9.000	-9.000	-999.	42.	7.1	0.15	1.15	1.00	1.43	16.	10.0	284.9	2.0			
08	01	01	1	24	-3.1	0.065	-9.000	-9.000	-999.	40.	8.2	0.13	1.15	1.00	1.42	342.	10.0	283.8	2.0			

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
08	01	01	01	10.0	1	-999.	-99.00	282.6	99.0	-99.00	-99.00

F indicates top of profile (=1) or below (=0)

\*\*MODELOPTs: NonDEFAULT CONC FLAT and ELEV

\*\*\* THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 6 YEARS FOR SOURCE GROUP: ALL \*\*\*  
 INCLUDING SOURCE(S): L0000877 , L0000878 , L0000879 , L0000880 , L0000881 ,  
 L0000882 , L0000883 , L0000884 , L0000885 , L0000886 , L0000887 , L0000888 , L0000889 ,  
 L0000890 , L0000891 , L0000892 , L0000893 , L0000894 , L0000895 , L0000896 , L0000897 ,  
 L0000898 , L0000899 , L0000900 , L0000901 , L0000902 , L0000903 , L0000904 , . . .

\*\*\* NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART \*\*\*

\*\* CONC OF PM\_10 IN MICROGRAMS/M\*\*3 \*\*

Y-COORD (METERS)	X-COORD (METERS)								
	479616.60	479816.60	480016.60	480216.60	480416.60	480616.60	480816.60	481016.60	481216.60
3628152.16	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001
3627952.16	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001
3627752.16	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001
3627552.16	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001
3627352.16	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001
3627152.16	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001
3626952.16	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001
3626752.16	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001
3626552.16	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001
3626352.16	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001
3626152.16	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001
3625952.16	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001
3625752.16	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00002	0.00002
3625552.16	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00002	0.00002	0.00002
3625352.16	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00002	0.00002	0.00002
3625152.16	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00002	0.00002	0.00002
3624952.16	0.00001	0.00001	0.00001	0.00001	0.00002	0.00002	0.00002	0.00003	0.00003
3624752.16	0.00001	0.00001	0.00001	0.00002	0.00002	0.00002	0.00003	0.00004	0.00004
3624552.16	0.00001	0.00001	0.00002	0.00002	0.00002	0.00002	0.00004	0.00007	0.00006
3624352.16	0.00001	0.00001	0.00002	0.00002	0.00002	0.00003	0.00004	0.00007	0.00005
3624152.16	0.00001	0.00002	0.00002	0.00002	0.00002	0.00003	0.00004	0.00007	0.00006
3623952.16	0.00001	0.00002	0.00002	0.00002	0.00002	0.00003	0.00004	0.00005	0.00007
3623752.16	0.00001	0.00002	0.00002	0.00002	0.00002	0.00003	0.00003	0.00004	0.00005
3623552.16	0.00001	0.00002	0.00002	0.00002	0.00002	0.00003	0.00003	0.00004	0.00005
3623352.16	0.00001	0.00001	0.00002	0.00002	0.00002	0.00003	0.00003	0.00003	0.00004
3623152.16	0.00001	0.00001	0.00001	0.00002	0.00002	0.00002	0.00003	0.00003	0.00004
3622952.16	0.00001	0.00001	0.00002	0.00002	0.00002	0.00002	0.00003	0.00003	0.00004
3622752.16	0.00001	0.00001	0.00002	0.00002	0.00002	0.00002	0.00003	0.00003	0.00003
3622552.16	0.00001	0.00002	0.00002	0.00002	0.00002	0.00002	0.00002	0.00003	0.00003
3622352.16	0.00001	0.00002	0.00002	0.00002	0.00002	0.00002	0.00002	0.00003	0.00003
3622152.16	0.00001	0.00002	0.00002	0.00002	0.00002	0.00002	0.00002	0.00003	0.00003
3621952.16	0.00001	0.00002	0.00002	0.00002	0.00002	0.00002	0.00002	0.00002	0.00003
3621752.16	0.00001	0.00001	0.00002	0.00002	0.00002	0.00002	0.00002	0.00002	0.00003
3621552.16	0.00001	0.00001	0.00002	0.00002	0.00002	0.00002	0.00002	0.00002	0.00002
3621352.16	0.00001	0.00001	0.00002	0.00002	0.00002	0.00002	0.00002	0.00002	0.00002
3621152.16	0.00001	0.00001	0.00002	0.00002	0.00002	0.00002	0.00002	0.00002	0.00002
3620952.16	0.00001	0.00001	0.00001	0.00002	0.00002	0.00002	0.00002	0.00002	0.00002
3620752.16	0.00001	0.00001	0.00001	0.00002	0.00002	0.00002	0.00002	0.00002	0.00002
3620552.16	0.00001	0.00001	0.00001	0.00002	0.00002	0.00002	0.00002	0.00002	0.00002
3620352.16	0.00001	0.00001	0.00001	0.00001	0.00002	0.00002	0.00002	0.00002	0.00002

\*\*MODELOPTs: NonDEFAULT CONC FLAT and ELEV

\*\*\* THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 6 YEARS FOR SOURCE GROUP: ALL \*\*\*  
 INCLUDING SOURCE(S):  
 L0000882 , L0000883 , L0000884 , L0000877 , L0000878 , L0000879 , L0000880 , L0000881 ,  
 L0000890 , L0000891 , L0000892 , L0000885 , L0000886 , L0000887 , L0000888 , L0000889 ,  
 L0000898 , L0000899 , L0000900 , L0000893 , L0000894 , L0000895 , L0000896 , L0000897 ,  
 L0000901 , L0000902 , L0000903 , L0000904 , . . .

\*\*\* NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART \*\*\*

\*\* CONC OF PM<sub>10</sub> IN MICROGRAMS/M<sup>3</sup> \*\*

Y-COORD (METERS)	X-COORD (METERS)								
	479616.60	479816.60	480016.60	480216.60	480416.60	480616.60	480816.60	481016.60	481216.60
3620152.16	0.00001	0.00001	0.00001	0.00001	0.00002	0.00002	0.00002	0.00002	0.00002
3619952.16	0.00001	0.00001	0.00001	0.00001	0.00002	0.00002	0.00002	0.00002	0.00002
3619752.16	0.00001	0.00001	0.00001	0.00001	0.00001	0.00002	0.00002	0.00002	0.00002
3619552.16	0.00001	0.00001	0.00001	0.00001	0.00001	0.00002	0.00002	0.00002	0.00002
3619352.16	0.00001	0.00001	0.00001	0.00001	0.00001	0.00002	0.00002	0.00002	0.00002
3619152.16	0.00001	0.00001	0.00001	0.00001	0.00001	0.00002	0.00002	0.00002	0.00002
3618952.16	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00002	0.00002	0.00002
3618752.16	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00002	0.00002	0.00002
3618552.16	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00002	0.00002	0.00002
3618352.16	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00002	0.00002

\*\*MODELOPTs: NonDEFAULT CONC FLAT and ELEV

\*\*\* THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 6 YEARS FOR SOURCE GROUP: ALL \*\*\*  
 INCLUDING SOURCE(S): L0000877 , L0000878 , L0000879 , L0000880 , L0000881 ,  
 L0000882 , L0000883 , L0000884 , L0000885 , L0000886 , L0000887 , L0000888 , L0000889 ,  
 L0000890 , L0000891 , L0000892 , L0000893 , L0000894 , L0000895 , L0000896 , L0000897 ,  
 L0000898 , L0000899 , L0000900 , L0000901 , L0000902 , L0000903 , L0000904 , . . .

\*\*\* NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART \*\*\*

\*\* CONC OF PM<sub>10</sub> IN MICROGRAMS/M<sup>3</sup> \*\*

Y-COORD (METERS)	X-COORD (METERS)								
	481416.60	481616.60	481816.60	482016.60	482216.60	482416.60	482616.60	482816.60	483016.60
3628152.16	0.00001	0.00001	0.00000	0.00000	0.00000	0.00001	0.00001	0.00000	0.00000
3627952.16	0.00001	0.00001	0.00000	0.00000	0.00000	0.00001	0.00001	0.00001	0.00000
3627752.16	0.00001	0.00001	0.00001	0.00000	0.00000	0.00001	0.00001	0.00001	0.00001
3627552.16	0.00001	0.00001	0.00001	0.00001	0.00000	0.00000	0.00001	0.00001	0.00001
3627352.16	0.00001	0.00001	0.00001	0.00001	0.00001	0.00000	0.00001	0.00001	0.00001
3627152.16	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001
3626952.16	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001
3626752.16	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001
3626552.16	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001
3626352.16	0.00001	0.00001	0.00001	0.00001	0.00002	0.00001	0.00001	0.00001	0.00001
3626152.16	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001
3625952.16	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001
3625752.16	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001
3625552.16	0.00002	0.00002	0.00002	0.00002	0.00002	0.00001	0.00001	0.00002	0.00001
3625352.16	0.00002	0.00002	0.00002	0.00002	0.00002	0.00002	0.00002	0.00002	0.00002
3625152.16	0.00002	0.00002	0.00002	0.00002	0.00002	0.00002	0.00002	0.00003	0.00003
3624952.16	0.00003	0.00003	0.00003	0.00003	0.00003	0.00003	0.00003	0.00003	0.00003
3624752.16	0.00003	0.00003	0.00003	0.00003	0.00004	0.00004	0.00003	0.00003	0.00003
3624552.16	0.00005	0.00004	0.00002	0.00002	0.00001	0.00002	0.00003	0.00004	0.00005
3624352.16	0.00005	0.00004	0.00002	0.00001	0.00001	0.00001	0.00001	0.00001	0.00002
3624152.16	0.00005	0.00004	0.00002	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001
3623952.16	0.00007	0.00005	0.00003	0.00002	0.00001	0.00001	0.00001	0.00001	0.00001
3623752.16	0.00007	0.00007	0.00005	0.00002	0.00001	0.00001	0.00001	0.00001	0.00001
3623552.16	0.00006	0.00007	0.00006	0.00004	0.00002	0.00001	0.00001	0.00001	0.00001
3623352.16	0.00005	0.00006	0.00007	0.00005	0.00003	0.00002	0.00001	0.00001	0.00002
3623152.16	0.00004	0.00005	0.00006	0.00009	0.00006	0.00004	0.00002	0.00003	0.00002
3622952.16	0.00004	0.00005	0.00005	0.00006	0.00007	0.00010	0.00007	0.00004	0.00003
3622752.16	0.00004	0.00004	0.00005	0.00005	0.00006	0.00007	0.00008	0.00010	0.00008
3622552.16	0.00003	0.00004	0.00004	0.00005	0.00005	0.00005	0.00006	0.00007	0.00008
3622352.16	0.00003	0.00004	0.00004	0.00004	0.00005	0.00005	0.00005	0.00006	0.00006
3622152.16	0.00003	0.00003	0.00004	0.00004	0.00004	0.00005	0.00005	0.00005	0.00005
3621952.16	0.00003	0.00003	0.00003	0.00003	0.00004	0.00004	0.00005	0.00005	0.00005
3621752.16	0.00003	0.00003	0.00003	0.00003	0.00003	0.00004	0.00004	0.00005	0.00005
3621552.16	0.00003	0.00003	0.00003	0.00003	0.00003	0.00004	0.00004	0.00004	0.00004
3621352.16	0.00003	0.00003	0.00003	0.00003	0.00003	0.00004	0.00004	0.00004	0.00004
3621152.16	0.00002	0.00003	0.00003	0.00003	0.00003	0.00003	0.00004	0.00004	0.00004
3620952.16	0.00002	0.00003	0.00003	0.00003	0.00003	0.00003	0.00003	0.00004	0.00004
3620752.16	0.00002	0.00002	0.00003	0.00003	0.00003	0.00003	0.00003	0.00003	0.00004
3620552.16	0.00002	0.00002	0.00002	0.00003	0.00003	0.00003	0.00003	0.00003	0.00003
3620352.16	0.00002	0.00002	0.00002	0.00002	0.00003	0.00003	0.00003	0.00003	0.00003



\*\*\* AERMOD - VERSION 14134 \*\*\*  
\*\*\* AERMET - VERSION 14134 \*\*\*

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PAGE 76

\*\*MODELOPTs: NonDEFAULT CONC FLAT and ELEV

\*\*\* THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 6 YEARS FOR SOURCE GROUP: ALL \*\*\*  
INCLUDING SOURCE(S): L0000877 , L0000878 , L0000879 , L0000880 , L0000881 ,  
L0000882 , L0000883 , L0000884 , L0000885 , L0000886 , L0000887 , L0000888 , L0000889 ,  
L0000890 , L0000891 , L0000892 , L0000893 , L0000894 , L0000895 , L0000896 , L0000897 ,  
L0000898 , L0000899 , L0000900 , L0000901 , L0000902 , L0000903 , L0000904 , . . .

\*\*\* NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART \*\*\*

\*\* CONC OF PM<sub>10</sub> IN MICROGRAMS/M\*\*3 \*\*

Y-COORD (METERS)	X-COORD (METERS)								
	481416.60	481616.60	481816.60	482016.60	482216.60	482416.60	482616.60	482816.60	483016.60
3620152.16	0.00002	0.00002	0.00002	0.00002	0.00003	0.00003	0.00003	0.00003	0.00003
3619952.16	0.00002	0.00002	0.00002	0.00002	0.00002	0.00003	0.00003	0.00003	0.00003
3619752.16	0.00002	0.00002	0.00002	0.00002	0.00002	0.00002	0.00003	0.00003	0.00003
3619552.16	0.00002	0.00002	0.00002	0.00002	0.00002	0.00002	0.00003	0.00003	0.00003
3619352.16	0.00002	0.00002	0.00002	0.00002	0.00002	0.00002	0.00002	0.00003	0.00003
3619152.16	0.00002	0.00002	0.00002	0.00002	0.00002	0.00002	0.00002	0.00003	0.00003
3618952.16	0.00002	0.00002	0.00002	0.00002	0.00002	0.00002	0.00002	0.00002	0.00003
3618752.16	0.00002	0.00002	0.00002	0.00002	0.00002	0.00002	0.00002	0.00002	0.00002
3618552.16	0.00002	0.00002	0.00002	0.00002	0.00002	0.00002	0.00002	0.00002	0.00002
3618352.16	0.00002	0.00002	0.00002	0.00002	0.00002	0.00002	0.00002	0.00002	0.00002

\*\*MODELOPTs: NonDEFAULT CONC FLAT and ELEV

\*\*\* THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 6 YEARS FOR SOURCE GROUP: ALL \*\*\*  
 INCLUDING SOURCE(S): L0000877 , L0000878 , L0000879 , L0000880 , L0000881 ,  
 L0000882 , L0000883 , L0000884 , L0000885 , L0000886 , L0000887 , L0000888 , L0000889 ,  
 L0000890 , L0000891 , L0000892 , L0000893 , L0000894 , L0000895 , L0000896 , L0000897 ,  
 L0000898 , L0000899 , L0000900 , L0000901 , L0000902 , L0000903 , L0000904 , . . .

\*\*\* NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART \*\*\*

\*\* CONC OF PM<sub>10</sub> IN MICROGRAMS/M<sup>3</sup> \*\*

Y-COORD (METERS)	X-COORD (METERS)								
	483216.60	483416.60	483616.60	483816.60	484016.60	484216.60	484416.60	484616.60	484816.60
3628152.16	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
3627952.16	0.00001	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
3627752.16	0.00001	0.00001	0.00000	0.00000	0.00000	0.00000	0.00000	0.00001	0.00001
3627552.16	0.00001	0.00001	0.00000	0.00000	0.00000	0.00000	0.00001	0.00001	0.00001
3627352.16	0.00001	0.00001	0.00001	0.00000	0.00000	0.00000	0.00001	0.00001	0.00001
3627152.16	0.00001	0.00001	0.00001	0.00000	0.00000	0.00000	0.00001	0.00001	0.00001
3626952.16	0.00001	0.00001	0.00001	0.00001	0.00000	0.00001	0.00001	0.00001	0.00001
3626752.16	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001
3626552.16	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001
3626352.16	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001
3626152.16	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00002
3625952.16	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00002
3625752.16	0.00001	0.00001	0.00001	0.00001	0.00002	0.00002	0.00002	0.00003	0.00003
3625552.16	0.00001	0.00002	0.00002	0.00002	0.00002	0.00002	0.00002	0.00003	0.00003
3625352.16	0.00002	0.00002	0.00002	0.00003	0.00003	0.00003	0.00003	0.00003	0.00004
3625152.16	0.00003	0.00003	0.00003	0.00003	0.00003	0.00003	0.00003	0.00004	0.00005
3624952.16	0.00003	0.00003	0.00003	0.00003	0.00003	0.00003	0.00004	0.00004	0.00007
3624752.16	0.00003	0.00003	0.00003	0.00004	0.00004	0.00004	0.00005	0.00005	0.00004
3624552.16	0.00004	0.00005	0.00004	0.00004	0.00004	0.00003	0.00003	0.00001	0.00003
3624352.16	0.00002	0.00002	0.00002	0.00001	0.00002	0.00001	0.00001	0.00002	0.00001
3624152.16	0.00001	0.00001	0.00001	0.00001	0.00002	0.00001	0.00001	0.00001	0.00001
3623952.16	0.00001	0.00001	0.00001	0.00001	0.00001	0.00002	0.00001	0.00001	0.00001
3623752.16	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001
3623552.16	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001
3623352.16	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001
3623152.16	0.00002	0.00001	0.00001	0.00001	0.00001	0.00002	0.00001	0.00001	0.00001
3622952.16	0.00002	0.00001	0.00001	0.00001	0.00001	0.00002	0.00001	0.00001	0.00001
3622752.16	0.00004	0.00002	0.00001	0.00001	0.00002	0.00002	0.00002	0.00001	0.00001
3622552.16	0.00007	0.00004	0.00002	0.00002	0.00002	0.00003	0.00002	0.00002	0.00001
3622352.16	0.00008	0.00007	0.00003	0.00003	0.00003	0.00002	0.00002	0.00001	0.00001
3622152.16	0.00006	0.00010	0.00005	0.00003	0.00003	0.00003	0.00003	0.00002	0.00002
3621952.16	0.00006	0.00007	0.00008	0.00004	0.00003	0.00003	0.00003	0.00002	0.00002
3621752.16	0.00005	0.00006	0.00008	0.00008	0.00004	0.00005	0.00003	0.00002	0.00002
3621552.16	0.00005	0.00006	0.00006	0.00010	0.00008	0.00005	0.00003	0.00002	0.00002
3621352.16	0.00004	0.00005	0.00006	0.00008	0.00011	0.00007	0.00004	0.00002	0.00002
3621152.16	0.00004	0.00005	0.00005	0.00006	0.00009	0.00009	0.00006	0.00004	0.00003
3620952.16	0.00004	0.00004	0.00005	0.00006	0.00007	0.00010	0.00011	0.00005	0.00004
3620752.16	0.00004	0.00004	0.00005	0.00005	0.00006	0.00008	0.00010	0.00011	0.00005
3620552.16	0.00004	0.00004	0.00004	0.00005	0.00006	0.00006	0.00008	0.00010	0.00009
3620352.16	0.00004	0.00004	0.00004	0.00005	0.00005	0.00006	0.00007	0.00007	0.00008

\*\*MODELOPTs: NonDEFAULT CONC FLAT and ELEV

\*\*\* THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 6 YEARS FOR SOURCE GROUP: ALL \*\*\*  
 INCLUDING SOURCE(S): L0000877 , L0000878 , L0000879 , L0000880 , L0000881 ,  
 L0000882 , L0000883 , L0000884 , L0000885 , L0000886 , L0000887 , L0000888 , L0000889 ,  
 L0000890 , L0000891 , L0000892 , L0000893 , L0000894 , L0000895 , L0000896 , L0000897 ,  
 L0000898 , L0000899 , L0000900 , L0000901 , L0000902 , L0000903 , L0000904 , . . .

\*\*\* NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART \*\*\*

\*\* CONC OF PM\_10 IN MICROGRAMS/M\*\*3 \*\*

Y-COORD (METERS)	X-COORD (METERS)								
	483216.60	483416.60	483616.60	483816.60	484016.60	484216.60	484416.60	484616.60	484816.60
3620152.16	0.00003	0.00004	0.00004	0.00004	0.00005	0.00005	0.00006	0.00007	0.00007
3619952.16	0.00003	0.00003	0.00004	0.00004	0.00004	0.00005	0.00005	0.00006	0.00006
3619752.16	0.00003	0.00003	0.00004	0.00004	0.00004	0.00005	0.00005	0.00005	0.00006
3619552.16	0.00003	0.00003	0.00004	0.00004	0.00004	0.00005	0.00005	0.00005	0.00005
3619352.16	0.00003	0.00003	0.00003	0.00004	0.00004	0.00004	0.00004	0.00004	0.00005
3619152.16	0.00003	0.00003	0.00003	0.00003	0.00004	0.00004	0.00004	0.00004	0.00004
3618952.16	0.00003	0.00003	0.00003	0.00003	0.00003	0.00004	0.00004	0.00004	0.00004
3618752.16	0.00003	0.00003	0.00003	0.00003	0.00003	0.00003	0.00004	0.00004	0.00004
3618552.16	0.00002	0.00003	0.00003	0.00003	0.00003	0.00003	0.00003	0.00004	0.00004
3618352.16	0.00002	0.00003	0.00003	0.00003	0.00003	0.00003	0.00003	0.00003	0.00003

\*\*MODELOPTs: NonDEFAULT CONC FLAT and ELEV

\*\*\* THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 6 YEARS FOR SOURCE GROUP: ALL \*\*\*  
 INCLUDING SOURCE(S): L0000877 , L0000878 , L0000879 , L0000880 , L0000881 ,  
 L0000882 , L0000883 , L0000884 , L0000885 , L0000886 , L0000887 , L0000888 , L0000889 ,  
 L0000890 , L0000891 , L0000892 , L0000893 , L0000894 , L0000895 , L0000896 , L0000897 ,  
 L0000898 , L0000899 , L0000900 , L0000901 , L0000902 , L0000903 , L0000904 , . . .

\*\*\* NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART \*\*\*

\*\* CONC OF PM<sub>10</sub> IN MICROGRAMS/M\*\*3 \*\*

Y-COORD (METERS)	X-COORD (METERS)								
	485016.60	485216.60	485416.60	485616.60	485816.60	486016.60	486216.60	486416.60	486616.60
3628152.16	0.00000	0.00000	0.00000	0.00001	0.00001	0.00001	0.00000	0.00000	0.00000
3627952.16	0.00000	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00000	0.00001
3627752.16	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00000	0.00001
3627552.16	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001
3627352.16	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001
3627152.16	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001
3626952.16	0.00001	0.00001	0.00001	0.00002	0.00001	0.00001	0.00002	0.00002	0.00002
3626752.16	0.00001	0.00002	0.00002	0.00002	0.00002	0.00002	0.00002	0.00002	0.00002
3626552.16	0.00002	0.00002	0.00002	0.00002	0.00002	0.00003	0.00003	0.00003	0.00003
3626352.16	0.00002	0.00002	0.00002	0.00003	0.00003	0.00003	0.00003	0.00003	0.00003
3626152.16	0.00002	0.00003	0.00003	0.00003	0.00003	0.00003	0.00003	0.00004	0.00004
3625952.16	0.00003	0.00002	0.00003	0.00003	0.00003	0.00004	0.00004	0.00004	0.00005
3625752.16	0.00003	0.00003	0.00003	0.00004	0.00004	0.00004	0.00004	0.00005	0.00006
3625552.16	0.00003	0.00004	0.00004	0.00004	0.00004	0.00005	0.00006	0.00006	0.00006
3625352.16	0.00004	0.00004	0.00005	0.00006	0.00006	0.00008	0.00007	0.00005	0.00003
3625152.16	0.00006	0.00005	0.00008	0.00006	0.00005	0.00002	0.00002	0.00002	0.00002
3624952.16	0.00006	0.00004	0.00002	0.00002	0.00001	0.00002	0.00001	0.00002	0.00002
3624752.16	0.00002	0.00001	0.00001	0.00001	0.00001	0.00001	0.00002	0.00002	0.00002
3624552.16	0.00003	0.00002	0.00001	0.00001	0.00001	0.00001	0.00002	0.00002	0.00002
3624352.16	0.00002	0.00002	0.00002	0.00002	0.00001	0.00001	0.00002	0.00002	0.00002
3624152.16	0.00001	0.00002	0.00002	0.00002	0.00002	0.00001	0.00002	0.00002	0.00002
3623952.16	0.00001	0.00002	0.00001	0.00002	0.00002	0.00002	0.00002	0.00002	0.00002
3623752.16	0.00001	0.00002	0.00002	0.00002	0.00002	0.00002	0.00002	0.00002	0.00002
3623552.16	0.00001	0.00001	0.00001	0.00002	0.00002	0.00002	0.00002	0.00002	0.00002
3623352.16	0.00001	0.00001	0.00001	0.00002	0.00002	0.00002	0.00002	0.00002	0.00002
3623152.16	0.00001	0.00001	0.00002	0.00002	0.00002	0.00002	0.00002	0.00002	0.00002
3622952.16	0.00001	0.00001	0.00002	0.00002	0.00002	0.00002	0.00002	0.00002	0.00003
3622752.16	0.00001	0.00001	0.00002	0.00002	0.00002	0.00002	0.00002	0.00002	0.00003
3622552.16	0.00001	0.00001	0.00002	0.00002	0.00002	0.00002	0.00002	0.00002	0.00002
3622352.16	0.00001	0.00001	0.00002	0.00002	0.00002	0.00002	0.00002	0.00002	0.00002
3622152.16	0.00001	0.00002	0.00002	0.00002	0.00002	0.00002	0.00002	0.00002	0.00003
3621952.16	0.00002	0.00002	0.00002	0.00002	0.00002	0.00002	0.00002	0.00002	0.00003
3621752.16	0.00002	0.00002	0.00003	0.00003	0.00002	0.00002	0.00002	0.00003	0.00003
3621552.16	0.00002	0.00002	0.00002	0.00002	0.00002	0.00002	0.00002	0.00003	0.00004
3621352.16	0.00002	0.00002	0.00003	0.00003	0.00002	0.00002	0.00002	0.00003	0.00004
3621152.16	0.00002	0.00002	0.00003	0.00002	0.00002	0.00003	0.00002	0.00003	0.00004
3620952.16	0.00003	0.00003	0.00005	0.00003	0.00003	0.00003	0.00003	0.00003	0.00004
3620752.16	0.00005	0.00005	0.00006	0.00004	0.00004	0.00004	0.00003	0.00004	0.00005
3620552.16	0.00008	0.00007	0.00009	0.00008	0.00008	0.00008	0.00005	0.00004	0.00006
3620352.16	0.00008	0.00007	0.00007	0.00007	0.00007	0.00009	0.00009	0.00007	0.00006

\*\*MODELOPTs: NonDEFAULT CONC FLAT and ELEV

\*\*\* THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 6 YEARS FOR SOURCE GROUP: ALL \*\*\*  
 INCLUDING SOURCE(S): L0000877 , L0000878 , L0000879 , L0000880 , L0000881 ,  
 L0000882 , L0000883 , L0000884 , L0000885 , L0000886 , L0000887 , L0000888 , L0000889 ,  
 L0000890 , L0000891 , L0000892 , L0000893 , L0000894 , L0000895 , L0000896 , L0000897 ,  
 L0000898 , L0000899 , L0000900 , L0000901 , L0000902 , L0000903 , L0000904 , . . .

\*\*\* NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART \*\*\*

\*\* CONC OF PM<sub>10</sub> IN MICROGRAMS/M<sup>3</sup> \*\*

Y-COORD (METERS)	X-COORD (METERS)								
	485016.60	485216.60	485416.60	485616.60	485816.60	486016.60	486216.60	486416.60	486616.60
3620152.16	0.00007	0.00006	0.00007	0.00007	0.00007	0.00008	0.00011	0.00008	0.00005
3619952.16	0.00006	0.00003	0.00006	0.00006	0.00007	0.00009	0.00012	0.00007	0.00006
3619752.16	0.00006	0.00006	0.00006	0.00006	0.00007	0.00009	0.00013	0.00008	0.00006
3619552.16	0.00005	0.00006	0.00006	0.00006	0.00007	0.00009	0.00015	0.00009	0.00009
3619352.16	0.00005	0.00005	0.00006	0.00006	0.00007	0.00009	0.00018	0.00010	0.00010
3619152.16	0.00005	0.00005	0.00005	0.00006	0.00007	0.00009	0.00015	0.00009	0.00008
3618952.16	0.00004	0.00005	0.00005	0.00006	0.00006	0.00009	0.00017	0.00008	0.00008
3618752.16	0.00004	0.00004	0.00005	0.00005	0.00006	0.00008	0.00014	0.00009	0.00008
3618552.16	0.00004	0.00004	0.00004	0.00005	0.00005	0.00007	0.00009	0.00008	0.00007
3618352.16	0.00004	0.00004	0.00004	0.00005	0.00005	0.00006	0.00007	0.00007	0.00006

\*\*MODELOPTs: NonDEFAULT CONC FLAT and ELEV

\*\*\* THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 6 YEARS FOR SOURCE GROUP: ALL \*\*\*  
 INCLUDING SOURCE(S): L0000877 , L0000878 , L0000879 , L0000880 , L0000881 ,  
 L0000882 , L0000883 , L0000884 , L0000885 , L0000886 , L0000887 , L0000888 , L0000889 ,  
 L0000890 , L0000891 , L0000892 , L0000893 , L0000894 , L0000895 , L0000896 , L0000897 ,  
 L0000898 , L0000899 , L0000900 , L0000901 , L0000902 , L0000903 , L0000904 , . . .

\*\*\* NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART \*\*\*

\*\* CONC OF PM\_10 IN MICROGRAMS/M\*\*3 \*\*

Y-COORD (METERS)	X-COORD (METERS)								
	486816.60	487016.60	487216.60	487416.60	487616.60	487816.60	488016.60	488216.60	488416.60
3628152.16	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001
3627952.16	0.00001	0.00001	0.00001	0.00001	0.00002	0.00001	0.00001	0.00001	0.00001
3627752.16	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00002	0.00002
3627552.16	0.00001	0.00001	0.00001	0.00002	0.00002	0.00002	0.00002	0.00002	0.00003
3627352.16	0.00001	0.00001	0.00001	0.00002	0.00002	0.00002	0.00003	0.00003	0.00003
3627152.16	0.00001	0.00001	0.00001	0.00002	0.00002	0.00003	0.00003	0.00003	0.00004
3626952.16	0.00002	0.00002	0.00002	0.00002	0.00003	0.00004	0.00004	0.00004	0.00004
3626752.16	0.00002	0.00002	0.00002	0.00003	0.00004	0.00004	0.00004	0.00004	0.00005
3626552.16	0.00003	0.00003	0.00004	0.00004	0.00004	0.00005	0.00005	0.00005	0.00006
3626352.16	0.00004	0.00004	0.00004	0.00004	0.00005	0.00006	0.00006	0.00007	0.00007
3626152.16	0.00004	0.00005	0.00005	0.00006	0.00007	0.00008	0.00007	0.00008	0.00004
3625952.16	0.00005	0.00006	0.00007	0.00007	0.00011	0.00012	0.00006	0.00003	0.00004
3625752.16	0.00006	0.00010	0.00009	0.00008	0.00010	0.00010	0.00004	0.00002	0.00003
3625552.16	0.00005	0.00005	0.00005	0.00004	0.00003	0.00011	0.00008	0.00004	0.00003
3625352.16	0.00002	0.00003	0.00002	0.00002	0.00002	0.00004	0.00010	0.00005	0.00003
3625152.16	0.00002	0.00003	0.00002	0.00002	0.00002	0.00003	0.00012	0.00006	0.00004
3624952.16	0.00002	0.00002	0.00002	0.00002	0.00003	0.00004	0.00012	0.00009	0.00006
3624752.16	0.00002	0.00002	0.00002	0.00003	0.00004	0.00005	0.00008	0.00015	0.00007
3624552.16	0.00002	0.00002	0.00003	0.00002	0.00004	0.00006	0.00007	0.00016	0.00009
3624352.16	0.00002	0.00003	0.00003	0.00003	0.00004	0.00006	0.00009	0.00015	0.00012
3624152.16	0.00002	0.00003	0.00003	0.00003	0.00004	0.00006	0.00008	0.00015	0.00015
3623952.16	0.00002	0.00003	0.00003	0.00003	0.00004	0.00006	0.00008	0.00013	0.00022
3623752.16	0.00003	0.00003	0.00003	0.00003	0.00004	0.00005	0.00007	0.00011	0.00019
3623552.16	0.00003	0.00003	0.00003	0.00003	0.00004	0.00005	0.00007	0.00010	0.00020
3623352.16	0.00003	0.00003	0.00003	0.00003	0.00004	0.00005	0.00006	0.00008	0.00012
3623152.16	0.00003	0.00003	0.00003	0.00003	0.00004	0.00005	0.00006	0.00007	0.00009
3622952.16	0.00003	0.00003	0.00003	0.00003	0.00004	0.00004	0.00005	0.00007	0.00008
3622752.16	0.00003	0.00003	0.00003	0.00003	0.00004	0.00004	0.00005	0.00006	0.00007
3622552.16	0.00002	0.00003	0.00003	0.00003	0.00004	0.00004	0.00005	0.00005	0.00006
3622352.16	0.00002	0.00003	0.00003	0.00003	0.00003	0.00004	0.00004	0.00005	0.00005
3622152.16	0.00003	0.00003	0.00003	0.00003	0.00003	0.00004	0.00004	0.00005	0.00005
3621952.16	0.00003	0.00003	0.00003	0.00003	0.00003	0.00004	0.00004	0.00004	0.00005
3621752.16	0.00003	0.00003	0.00003	0.00003	0.00003	0.00004	0.00004	0.00004	0.00004
3621552.16	0.00003	0.00003	0.00003	0.00004	0.00004	0.00003	0.00004	0.00004	0.00004
3621352.16	0.00003	0.00003	0.00003	0.00004	0.00003	0.00003	0.00004	0.00004	0.00004
3621152.16	0.00003	0.00003	0.00004	0.00004	0.00003	0.00003	0.00004	0.00004	0.00004
3620952.16	0.00004	0.00004	0.00004	0.00003	0.00003	0.00003	0.00003	0.00004	0.00004
3620752.16	0.00004	0.00004	0.00004	0.00004	0.00003	0.00003	0.00004	0.00004	0.00005
3620552.16	0.00005	0.00004	0.00003	0.00003	0.00004	0.00004	0.00004	0.00004	0.00004
3620352.16	0.00004	0.00004	0.00003	0.00004	0.00004	0.00004	0.00004	0.00005	0.00005

\*\*MODELOPTs: NonDEFAULT CONC FLAT and ELEV

\*\*\* THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 6 YEARS FOR SOURCE GROUP: ALL \*\*\*  
 INCLUDING SOURCE(S): L0000877 , L0000878 , L0000879 , L0000880 , L0000881 ,  
 L0000882 , L0000883 , L0000884 , L0000885 , L0000886 , L0000887 , L0000888 , L0000889 ,  
 L0000890 , L0000891 , L0000892 , L0000893 , L0000894 , L0000895 , L0000896 , L0000897 ,  
 L0000898 , L0000899 , L0000900 , L0000901 , L0000902 , L0000903 , L0000904 , . . .

\*\*\* NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART \*\*\*

\*\* CONC OF PM<sub>10</sub> IN MICROGRAMS/M<sup>3</sup> \*\*

Y-COORD (METERS)	X-COORD (METERS)								
	486816.60	487016.60	487216.60	487416.60	487616.60	487816.60	488016.60	488216.60	488416.60
3620152.16	0.00004	0.00004	0.00004	0.00004	0.00004	0.00004	0.00004	0.00005	0.00006
3619952.16	0.00005	0.00004	0.00005	0.00005	0.00005	0.00004	0.00005	0.00005	0.00008
3619752.16	0.00005	0.00006	0.00006	0.00007	0.00005	0.00006	0.00007	0.00008	0.00010
3619552.16	0.00009	0.00009	0.00009	0.00009	0.00008	0.00008	0.00012	0.00012	0.00012
3619352.16	0.00010	0.00010	0.00010	0.00010	0.00010	0.00010	0.00010	0.00010	0.00010
3619152.16	0.00008	0.00008	0.00008	0.00008	0.00009	0.00009	0.00009	0.00009	0.00008
3618952.16	0.00008	0.00008	0.00007	0.00007	0.00008	0.00008	0.00008	0.00008	0.00008
3618752.16	0.00007	0.00007	0.00007	0.00007	0.00007	0.00007	0.00007	0.00007	0.00007
3618552.16	0.00007	0.00007	0.00007	0.00006	0.00006	0.00006	0.00007	0.00007	0.00007
3618352.16	0.00006	0.00006	0.00006	0.00006	0.00006	0.00006	0.00006	0.00006	0.00006

\*\*MODELOPTs: NonDEFAULT CONC FLAT and ELEV

\*\*\* THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 6 YEARS FOR SOURCE GROUP: ALL \*\*\*  
 INCLUDING SOURCE(S): L0000877 , L0000878 , L0000879 , L0000880 , L0000881 ,  
 L0000882 , L0000883 , L0000884 , L0000885 , L0000886 , L0000887 , L0000888 , L0000889 ,  
 L0000890 , L0000891 , L0000892 , L0000893 , L0000894 , L0000895 , L0000896 , L0000897 ,  
 L0000898 , L0000899 , L0000900 , L0000901 , L0000902 , L0000903 , L0000904 , . . .

\*\*\* NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART \*\*\*

\*\* CONC OF PM\_10 IN MICROGRAMS/M\*\*3 \*\*

Y-COORD (METERS)	X-COORD (METERS)								
	488616.60	488816.60	489016.60	489216.60	489416.60	489616.60	489816.60	490016.60	490216.60
3628152.16	0.00001	0.00001	0.00001	0.00002	0.00002	0.00001	0.00001	0.00001	0.00002
3627952.16	0.00001	0.00001	0.00002	0.00003	0.00002	0.00002	0.00002	0.00002	0.00003
3627752.16	0.00002	0.00002	0.00003	0.00003	0.00002	0.00002	0.00002	0.00002	0.00003
3627552.16	0.00003	0.00003	0.00003	0.00003	0.00003	0.00003	0.00003	0.00003	0.00003
3627352.16	0.00003	0.00003	0.00003	0.00003	0.00004	0.00004	0.00004	0.00003	0.00004
3627152.16	0.00004	0.00003	0.00004	0.00004	0.00004	0.00004	0.00004	0.00004	0.00004
3626952.16	0.00004	0.00004	0.00004	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005
3626752.16	0.00005	0.00006	0.00006	0.00005	0.00007	0.00008	0.00008	0.00007	0.00007
3626552.16	0.00006	0.00005	0.00004	0.00004	0.00004	0.00007	0.00004	0.00004	0.00005
3626352.16	0.00004	0.00003	0.00002	0.00002	0.00003	0.00005	0.00002	0.00001	0.00002
3626152.16	0.00003	0.00001	0.00002	0.00002	0.00004	0.00003	0.00003	0.00002	0.00002
3625952.16	0.00002	0.00002	0.00001	0.00002	0.00005	0.00003	0.00002	0.00002	0.00002
3625752.16	0.00002	0.00002	0.00002	0.00002	0.00003	0.00003	0.00002	0.00002	0.00002
3625552.16	0.00002	0.00002	0.00002	0.00002	0.00004	0.00005	0.00003	0.00002	0.00002
3625352.16	0.00002	0.00002	0.00002	0.00002	0.00003	0.00005	0.00004	0.00003	0.00002
3625152.16	0.00003	0.00003	0.00002	0.00002	0.00003	0.00004	0.00006	0.00004	0.00003
3624952.16	0.00004	0.00003	0.00003	0.00002	0.00003	0.00005	0.00007	0.00004	0.00003
3624752.16	0.00005	0.00003	0.00003	0.00002	0.00004	0.00005	0.00008	0.00004	0.00003
3624552.16	0.00006	0.00004	0.00003	0.00003	0.00003	0.00005	0.00008	0.00005	0.00004
3624352.16	0.00007	0.00005	0.00004	0.00004	0.00004	0.00005	0.00010	0.00006	0.00004
3624152.16	0.00009	0.00006	0.00005	0.00004	0.00005	0.00006	0.00010	0.00006	0.00005
3623952.16	0.00010	0.00007	0.00004	0.00004	0.00005	0.00006	0.00012	0.00007	0.00005
3623752.16	0.00011	0.00007	0.00006	0.00006	0.00006	0.00007	0.00012	0.00008	0.00005
3623552.16	0.00014	0.00008	0.00006	0.00006	0.00006	0.00007	0.00012	0.00008	0.00006
3623352.16	0.00014	0.00009	0.00007	0.00006	0.00006	0.00007	0.00009	0.00007	0.00005
3623152.16	0.00011	0.00012	0.00007	0.00007	0.00006	0.00007	0.00008	0.00006	0.00005
3622952.16	0.00008	0.00011	0.00008	0.00007	0.00007	0.00007	0.00007	0.00006	0.00005
3622752.16	0.00007	0.00008	0.00010	0.00007	0.00007	0.00008	0.00007	0.00006	0.00005
3622552.16	0.00006	0.00007	0.00009	0.00010	0.00009	0.00007	0.00006	0.00005	0.00005
3622352.16	0.00006	0.00007	0.00007	0.00011	0.00010	0.00007	0.00006	0.00005	0.00005
3622152.16	0.00005	0.00006	0.00006	0.00010	0.00011	0.00007	0.00006	0.00006	0.00005
3621952.16	0.00005	0.00005	0.00007	0.00008	0.00015	0.00008	0.00008	0.00005	0.00005
3621752.16	0.00005	0.00005	0.00005	0.00007	0.00013	0.00013	0.00006	0.00005	0.00005
3621552.16	0.00005	0.00005	0.00005	0.00007	0.00013	0.00015	0.00008	0.00006	0.00006
3621352.16	0.00005	0.00005	0.00006	0.00007	0.00011	0.00014	0.00015	0.00014	0.00008
3621152.16	0.00006	0.00006	0.00006	0.00008	0.00012	0.00011	0.00012	0.00013	0.00013
3620952.16	0.00005	0.00006	0.00006	0.00008	0.00011	0.00009	0.00010	0.00011	0.00017
3620752.16	0.00005	0.00006	0.00006	0.00010	0.00009	0.00009	0.00009	0.00011	0.00016
3620552.16	0.00005	0.00007	0.00009	0.00009	0.00008	0.00008	0.00011	0.00012	0.00011
3620352.16	0.00005	0.00007	0.00010	0.00008	0.00008	0.00011	0.00011	0.00011	0.00015



\*\*MODELOPTs: NonDEFAULT CONC FLAT and ELEV

\*\*\* THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 6 YEARS FOR SOURCE GROUP: ALL \*\*\*  
 INCLUDING SOURCE(S): L0000877 , L0000878 , L0000879 , L0000880 , L0000881 ,  
 L0000882 , L0000883 , L0000884 , L0000885 , L0000886 , L0000887 , L0000888 , L0000889 ,  
 L0000890 , L0000891 , L0000892 , L0000893 , L0000894 , L0000895 , L0000896 , L0000897 ,  
 L0000898 , L0000899 , L0000900 , L0000901 , L0000902 , L0000903 , L0000904 , . . .

\*\*\* NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART \*\*\*

\*\* CONC OF PM<sub>10</sub> IN MICROGRAMS/M<sup>3</sup> \*\*

Y-COORD (METERS)	X-COORD (METERS)								
	488616.60	488816.60	489016.60	489216.60	489416.60	489616.60	489816.60	490016.60	490216.60
3620152.16	0.00006	0.00009	0.00011	0.00009	0.00012	0.00013	0.00013	0.00014	0.00015
3619952.16	0.00008	0.00012	0.00015	0.00013	0.00014	0.00014	0.00012	0.00012	0.00017
3619752.16	0.00016	0.00014	0.00014	0.00009	0.00009	0.00009	0.00009	0.00011	0.00011
3619552.16	0.00011	0.00011	0.00010	0.00009	0.00008	0.00009	0.00009	0.00010	0.00010
3619352.16	0.00009	0.00010	0.00010	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009
3619152.16	0.00008	0.00009	0.00008	0.00009	0.00008	0.00009	0.00009	0.00009	0.00008
3618952.16	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008	0.00007
3618752.16	0.00007	0.00007	0.00007	0.00007	0.00008	0.00007	0.00007	0.00007	0.00007
3618552.16	0.00006	0.00007	0.00007	0.00007	0.00007	0.00007	0.00007	0.00007	0.00007
3618352.16	0.00006	0.00006	0.00007	0.00007	0.00007	0.00006	0.00006	0.00006	0.00006

\*\*MODELOPTs: NonDEFAULT CONC FLAT and ELEV

\*\*\* THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 6 YEARS FOR SOURCE GROUP: ALL \*\*\*  
 INCLUDING SOURCE(S): L0000877 , L0000878 , L0000879 , L0000880 , L0000881 ,  
 L0000882 , L0000883 , L0000884 , L0000885 , L0000886 , L0000887 , L0000888 , L0000889 ,  
 L0000890 , L0000891 , L0000892 , L0000893 , L0000894 , L0000895 , L0000896 , L0000897 ,  
 L0000898 , L0000899 , L0000900 , L0000901 , L0000902 , L0000903 , L0000904 , . . .

\*\*\* NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART \*\*\*

\*\* CONC OF PM<sub>10</sub> IN MICROGRAMS/M<sup>3</sup> \*\*

Y-COORD (METERS)	X-COORD (METERS)								
	490416.60	490616.60	490816.60	491016.60	491216.60	491416.60	491616.60	491816.60	492016.60
3628152.16	0.00002	0.00002	0.00002	0.00002	0.00002	0.00001	0.00001	0.00001	0.00001
3627952.16	0.00003	0.00002	0.00002	0.00002	0.00002	0.00002	0.00001	0.00001	0.00001
3627752.16	0.00003	0.00003	0.00003	0.00002	0.00002	0.00001	0.00001	0.00001	0.00001
3627552.16	0.00003	0.00003	0.00003	0.00003	0.00002	0.00001	0.00001	0.00001	0.00002
3627352.16	0.00003	0.00003	0.00003	0.00003	0.00002	0.00002	0.00002	0.00002	0.00002
3627152.16	0.00004	0.00004	0.00004	0.00004	0.00004	0.00004	0.00004	0.00004	0.00003
3626952.16	0.00005	0.00005	0.00006	0.00005	0.00005	0.00005	0.00005	0.00005	0.00004
3626752.16	0.00009	0.00008	0.00003	0.00002	0.00002	0.00002	0.00003	0.00001	0.00001
3626552.16	0.00004	0.00006	0.00003	0.00002	0.00003	0.00002	0.00002	0.00002	0.00001
3626352.16	0.00002	0.00004	0.00004	0.00002	0.00001	0.00002	0.00001	0.00002	0.00001
3626152.16	0.00002	0.00002	0.00004	0.00003	0.00002	0.00001	0.00001	0.00001	0.00001
3625952.16	0.00001	0.00002	0.00002	0.00003	0.00003	0.00002	0.00001	0.00001	0.00001
3625752.16	0.00002	0.00002	0.00003	0.00002	0.00002	0.00003	0.00002	0.00002	0.00002
3625552.16	0.00003	0.00002	0.00002	0.00003	0.00001	0.00001	0.00001	0.00001	0.00002
3625352.16	0.00002	0.00002	0.00002	0.00002	0.00002	0.00001	0.00001	0.00001	0.00001
3625152.16	0.00003	0.00002	0.00003	0.00002	0.00001	0.00002	0.00001	0.00001	0.00001
3624952.16	0.00003	0.00002	0.00003	0.00002	0.00001	0.00001	0.00001	0.00001	0.00001
3624752.16	0.00003	0.00003	0.00002	0.00002	0.00002	0.00001	0.00001	0.00001	0.00001
3624552.16	0.00003	0.00003	0.00002	0.00002	0.00002	0.00002	0.00001	0.00001	0.00001
3624352.16	0.00004	0.00003	0.00002	0.00002	0.00002	0.00002	0.00002	0.00001	0.00001
3624152.16	0.00004	0.00003	0.00003	0.00002	0.00002	0.00002	0.00002	0.00001	0.00001
3623952.16	0.00004	0.00003	0.00003	0.00002	0.00002	0.00002	0.00002	0.00002	0.00002
3623752.16	0.00004	0.00003	0.00003	0.00003	0.00002	0.00002	0.00002	0.00002	0.00002
3623552.16	0.00004	0.00003	0.00003	0.00003	0.00002	0.00002	0.00002	0.00002	0.00002
3623352.16	0.00004	0.00004	0.00003	0.00003	0.00003	0.00002	0.00002	0.00002	0.00002
3623152.16	0.00004	0.00004	0.00003	0.00003	0.00003	0.00002	0.00002	0.00002	0.00002
3622952.16	0.00004	0.00004	0.00003	0.00003	0.00003	0.00002	0.00002	0.00002	0.00002
3622752.16	0.00004	0.00004	0.00003	0.00003	0.00003	0.00002	0.00003	0.00002	0.00002
3622552.16	0.00004	0.00004	0.00003	0.00003	0.00003	0.00003	0.00003	0.00002	0.00002
3622352.16	0.00004	0.00004	0.00003	0.00003	0.00003	0.00003	0.00003	0.00002	0.00003
3622152.16	0.00004	0.00004	0.00003	0.00003	0.00003	0.00003	0.00003	0.00003	0.00003
3621952.16	0.00004	0.00004	0.00004	0.00003	0.00003	0.00003	0.00003	0.00003	0.00002
3621752.16	0.00005	0.00004	0.00003	0.00004	0.00004	0.00003	0.00003	0.00003	0.00002
3621552.16	0.00005	0.00004	0.00005	0.00004	0.00003	0.00003	0.00003	0.00003	0.00003
3621352.16	0.00006	0.00006	0.00006	0.00003	0.00003	0.00004	0.00003	0.00003	0.00002
3621152.16	0.00008	0.00009	0.00005	0.00004	0.00004	0.00004	0.00003	0.00003	0.00003
3620952.16	0.00016	0.00007	0.00005	0.00005	0.00005	0.00004	0.00003	0.00003	0.00002
3620752.16	0.00020	0.00007	0.00008	0.00007	0.00004	0.00003	0.00003	0.00003	0.00002
3620552.16	0.00021	0.00013	0.00009	0.00006	0.00004	0.00003	0.00003	0.00003	0.00003
3620352.16	0.00021	0.00013	0.00007	0.00005	0.00004	0.00004	0.00003	0.00003	0.00003

\*\*MODELOPTs: NonDEFAULT CONC FLAT and ELEV

\*\*\* THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 6 YEARS FOR SOURCE GROUP: ALL \*\*\*  
INCLUDING SOURCE(S): L0000877 , L0000878 , L0000879 , L0000880 , L0000881 ,  
L0000882 , L0000883 , L0000884 , L0000885 , L0000886 , L0000887 , L0000888 , L0000889 ,  
L0000890 , L0000891 , L0000892 , L0000893 , L0000894 , L0000895 , L0000896 , L0000897 ,  
L0000898 , L0000899 , L0000900 , L0000901 , L0000902 , L0000903 , L0000904 , . . .

\*\*\* NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART \*\*\*

\*\* CONC OF PM\_10 IN MICROGRAMS/M\*\*3 \*\*

Y-COORD (METERS)	X-COORD (METERS)								
	490416.60	490616.60	490816.60	491016.60	491216.60	491416.60	491616.60	491816.60	492016.60
3620152.16	0.00024	0.00009	0.00006	0.00005	0.00004	0.00004	0.00004	0.00003	0.00003
3619952.16	0.00014	0.00008	0.00006	0.00006	0.00005	0.00004	0.00004	0.00003	0.00003
3619752.16	0.00012	0.00008	0.00007	0.00006	0.00005	0.00004	0.00004	0.00004	0.00004
3619552.16	0.00010	0.00009	0.00007	0.00006	0.00005	0.00005	0.00004	0.00004	0.00004
3619352.16	0.00009	0.00008	0.00007	0.00006	0.00006	0.00005	0.00004	0.00004	0.00004
3619152.16	0.00008	0.00007	0.00006	0.00006	0.00005	0.00005	0.00004	0.00004	0.00004
3618952.16	0.00007	0.00007	0.00006	0.00006	0.00005	0.00005	0.00004	0.00004	0.00004
3618752.16	0.00006	0.00006	0.00006	0.00005	0.00005	0.00005	0.00004	0.00004	0.00004
3618552.16	0.00006	0.00006	0.00005	0.00005	0.00005	0.00004	0.00004	0.00003	0.00003
3618352.16	0.00006	0.00005	0.00005	0.00005	0.00005	0.00004	0.00004	0.00003	0.00003

\*\*MODELOPTs: NonDEFAULT CONC FLAT and ELEV

\*\*\* THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 6 YEARS FOR SOURCE GROUP: ALL \*\*\*  
 INCLUDING SOURCE(S): L0000877 , L0000878 , L0000879 , L0000880 , L0000881 ,  
 L0000882 , L0000883 , L0000884 , L0000885 , L0000886 , L0000887 , L0000888 , L0000889 ,  
 L0000890 , L0000891 , L0000892 , L0000893 , L0000894 , L0000895 , L0000896 , L0000897 ,  
 L0000898 , L0000899 , L0000900 , L0000901 , L0000902 , L0000903 , L0000904 , . . .

\*\*\* NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART \*\*\*

\*\* CONC OF PM\_10 IN MICROGRAMS/M\*\*3 \*\*

Y-COORD (METERS)	X-COORD (METERS)								
	492216.60	492416.60	492616.60	492816.60	493016.60	493216.60	493416.60	493616.60	493816.60
3628152.16	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00000	0.00000	0.00000
3627952.16	0.00001	0.00001	0.00001	0.00001	0.00001	0.00000	0.00000	0.00000	0.00000
3627752.16	0.00001	0.00001	0.00001	0.00000	0.00001	0.00001	0.00000	0.00000	0.00000
3627552.16	0.00001	0.00001	0.00001	0.00001	0.00000	0.00000	0.00000	0.00000	0.00000
3627352.16	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00000	0.00000	0.00000
3627152.16	0.00003	0.00002	0.00002	0.00002	0.00002	0.00002	0.00001	0.00001	0.00000
3626952.16	0.00003	0.00003	0.00003	0.00003	0.00003	0.00002	0.00002	0.00001	0.00001
3626752.16	0.00001	0.00002	0.00002	0.00002	0.00003	0.00002	0.00002	0.00004	0.00002
3626552.16	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001
3626352.16	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001
3626152.16	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001
3625952.16	0.00001	0.00001	0.00001	0.00001	0.00000	0.00000	0.00001	0.00000	0.00000
3625752.16	0.00001	0.00001	0.00001	0.00000	0.00000	0.00000	0.00001	0.00000	0.00000
3625552.16	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00000	0.00000
3625352.16	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00000
3625152.16	0.00001	0.00001	0.00001	0.00001	0.00000	0.00001	0.00000	0.00000	0.00000
3624952.16	0.00001	0.00001	0.00001	0.00001	0.00000	0.00001	0.00000	0.00000	0.00000
3624752.16	0.00001	0.00001	0.00001	0.00001	0.00000	0.00000	0.00000	0.00000	0.00000
3624552.16	0.00001	0.00001	0.00001	0.00001	0.00000	0.00000	0.00000	0.00000	0.00000
3624352.16	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00000	0.00000	0.00000
3624152.16	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00000	0.00000	0.00000
3623952.16	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00000	0.00001	0.00001
3623752.16	0.00002	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001
3623552.16	0.00002	0.00002	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001
3623352.16	0.00002	0.00002	0.00002	0.00002	0.00001	0.00001	0.00001	0.00000	0.00001
3623152.16	0.00002	0.00002	0.00002	0.00002	0.00001	0.00001	0.00001	0.00001	0.00001
3622952.16	0.00002	0.00002	0.00002	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001
3622752.16	0.00002	0.00002	0.00002	0.00002	0.00001	0.00001	0.00001	0.00001	0.00001
3622552.16	0.00002	0.00002	0.00002	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001
3622352.16	0.00002	0.00002	0.00002	0.00002	0.00001	0.00001	0.00001	0.00001	0.00001
3622152.16	0.00002	0.00002	0.00002	0.00002	0.00001	0.00001	0.00001	0.00001	0.00001
3621952.16	0.00002	0.00002	0.00002	0.00002	0.00001	0.00001	0.00001	0.00001	0.00001
3621752.16	0.00002	0.00002	0.00002	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001
3621552.16	0.00002	0.00002	0.00002	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001
3621352.16	0.00002	0.00002	0.00002	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001
3621152.16	0.00002	0.00002	0.00002	0.00002	0.00001	0.00001	0.00001	0.00001	0.00001
3620952.16	0.00002	0.00002	0.00002	0.00001	0.00002	0.00002	0.00002	0.00001	0.00001
3620752.16	0.00002	0.00002	0.00002	0.00002	0.00002	0.00001	0.00001	0.00001	0.00001
3620552.16	0.00002	0.00002	0.00002	0.00002	0.00002	0.00001	0.00001	0.00001	0.00001
3620352.16	0.00003	0.00003	0.00002	0.00002	0.00001	0.00001	0.00001	0.00001	0.00001

\*\*MODELOPTs: NonDEFAULT CONC FLAT and ELEV

\*\*\* THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 6 YEARS FOR SOURCE GROUP: ALL \*\*\*  
 INCLUDING SOURCE(S): L0000877 , L0000878 , L0000879 , L0000880 , L0000881 ,  
 L0000882 , L0000883 , L0000884 , L0000885 , L0000886 , L0000887 , L0000888 , L0000889 ,  
 L0000890 , L0000891 , L0000892 , L0000893 , L0000894 , L0000895 , L0000896 , L0000897 ,  
 L0000898 , L0000899 , L0000900 , L0000901 , L0000902 , L0000903 , L0000904 , . . .

\*\*\* NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART \*\*\*

\*\* CONC OF PM\_10 IN MICROGRAMS/M\*\*3 \*\*

Y-COORD (METERS)	X-COORD (METERS)								
	492216.60	492416.60	492616.60	492816.60	493016.60	493216.60	493416.60	493616.60	493816.60
3620152.16	0.00003	0.00003	0.00002	0.00002	0.00002	0.00001	0.00001	0.00001	0.00001
3619952.16	0.00003	0.00003	0.00002	0.00002	0.00002	0.00001	0.00002	0.00001	0.00001
3619752.16	0.00004	0.00003	0.00002	0.00002	0.00002	0.00002	0.00002	0.00001	0.00001
3619552.16	0.00003	0.00002	0.00002	0.00002	0.00002	0.00002	0.00002	0.00002	0.00001
3619352.16	0.00003	0.00003	0.00002	0.00002	0.00002	0.00002	0.00002	0.00002	0.00002
3619152.16	0.00004	0.00003	0.00003	0.00003	0.00003	0.00002	0.00002	0.00002	0.00002
3618952.16	0.00003	0.00003	0.00003	0.00003	0.00003	0.00002	0.00002	0.00002	0.00001
3618752.16	0.00003	0.00003	0.00003	0.00003	0.00002	0.00002	0.00002	0.00001	0.00001
3618552.16	0.00003	0.00002	0.00002	0.00002	0.00002	0.00002	0.00002	0.00001	0.00001
3618352.16	0.00003	0.00003	0.00002	0.00002	0.00002	0.00002	0.00002	0.00001	0.00001

\*\*MODELOPTs: NonDEFAULT CONC FLAT and ELEV

\*\*\* THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 6 YEARS FOR SOURCE GROUP: ALL \*\*\*  
 INCLUDING SOURCE(S): L0000877 , L0000878 , L0000879 , L0000880 , L0000881 ,  
 L0000882 , L0000883 , L0000884 , L0000885 , L0000886 , L0000887 , L0000888 , L0000889 ,  
 L0000890 , L0000891 , L0000892 , L0000893 , L0000894 , L0000895 , L0000896 , L0000897 ,  
 L0000898 , L0000899 , L0000900 , L0000901 , L0000902 , L0000903 , L0000904 , . . .

\*\*\* NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART \*\*\*

\*\* CONC OF PM\_10 IN MICROGRAMS/M\*\*3 \*\*

Y-COORD (METERS)	494016.60	494216.60	494416.60	X-COORD (METERS)
3628152.16	0.00000	0.00000	0.00000	
3627952.16	0.00000	0.00000	0.00000	
3627752.16	0.00000	0.00000	0.00000	
3627552.16	0.00000	0.00000	0.00000	
3627352.16	0.00000	0.00000	0.00000	
3627152.16	0.00000	0.00000	0.00000	
3626952.16	0.00001	0.00000	0.00000	
3626752.16	0.00001	0.00001	0.00001	
3626552.16	0.00001	0.00001	0.00001	
3626352.16	0.00001	0.00001	0.00000	
3626152.16	0.00001	0.00000	0.00000	
3625952.16	0.00000	0.00000	0.00000	
3625752.16	0.00000	0.00000	0.00000	
3625552.16	0.00000	0.00000	0.00000	
3625352.16	0.00000	0.00000	0.00000	
3625152.16	0.00000	0.00000	0.00000	
3624952.16	0.00000	0.00000	0.00000	
3624752.16	0.00000	0.00000	0.00000	
3624552.16	0.00000	0.00000	0.00000	
3624352.16	0.00000	0.00000	0.00000	
3624152.16	0.00001	0.00001	0.00001	
3623952.16	0.00001	0.00001	0.00001	
3623752.16	0.00001	0.00001	0.00000	
3623552.16	0.00001	0.00001	0.00001	
3623352.16	0.00000	0.00001	0.00000	
3623152.16	0.00001	0.00001	0.00000	
3622952.16	0.00001	0.00001	0.00000	
3622752.16	0.00001	0.00001	0.00000	
3622552.16	0.00001	0.00001	0.00001	
3622352.16	0.00001	0.00001	0.00001	
3622152.16	0.00001	0.00001	0.00001	
3621952.16	0.00001	0.00001	0.00001	
3621752.16	0.00001	0.00001	0.00001	
3621552.16	0.00001	0.00001	0.00001	
3621352.16	0.00001	0.00001	0.00001	
3621152.16	0.00001	0.00001	0.00001	
3620952.16	0.00001	0.00001	0.00001	
3620752.16	0.00001	0.00001	0.00001	
3620552.16	0.00001	0.00001	0.00001	
3620352.16	0.00001	0.00001	0.00001	

\*\*MODELOPTs: NonDEFAULT CONC FLAT and ELEV

\*\*\* THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 6 YEARS FOR SOURCE GROUP: ALL \*\*\*  
 INCLUDING SOURCE(S): L0000877 , L0000878 , L0000879 , L0000880 , L0000881 ,  
 L0000882 , L0000883 , L0000884 , L0000885 , L0000886 , L0000887 , L0000888 , L0000889 ,  
 L0000890 , L0000891 , L0000892 , L0000893 , L0000894 , L0000895 , L0000896 , L0000897 ,  
 L0000898 , L0000899 , L0000900 , L0000901 , L0000902 , L0000903 , L0000904 , . . .

\*\*\* NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART \*\*\*

\*\* CONC OF PM<sub>10</sub> IN MICROGRAMS/M<sup>3</sup> \*\*

Y-COORD (METERS)	X-COORD (METERS)		
	494016.60	494216.60	494416.60
3620152.16	0.00001	0.00001	0.00001
3619952.16	0.00001	0.00001	0.00001
3619752.16	0.00001	0.00001	0.00001
3619552.16	0.00001	0.00001	0.00001
3619352.16	0.00002	0.00001	0.00001
3619152.16	0.00002	0.00002	0.00002
3618952.16	0.00001	0.00001	0.00001
3618752.16	0.00001	0.00001	0.00001
3618552.16	0.00001	0.00001	0.00001
3618352.16	0.00001	0.00001	0.00001

\*\*MODELOPTs: NonDEFAULT CONC FLAT and ELEV

\*\*\* THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL \*\*\*  
 INCLUDING SOURCE(S): L0000877 , L0000878 , L0000879 , L0000880 , L0000881 ,  
 L0000882 , L0000883 , L0000884 , L0000885 , L0000886 , L0000887 , L0000888 , L0000889 ,  
 L0000890 , L0000891 , L0000892 , L0000893 , L0000894 , L0000895 , L0000896 , L0000897 ,  
 L0000898 , L0000899 , L0000900 , L0000901 , L0000902 , L0000903 , L0000904 , . . .

\*\*\* NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART \*\*\*

\*\* CONC OF PM\_10 IN MICROGRAMS/M\*\*3 \*\*

Y-COORD (METERS)	X-COORD (METERS)				
	479616.60	479816.60	480016.60	480216.60	480416.60
3628152.2	0.00025 (11120504)	0.00023 (09012002)	0.00025 (09012002)	0.00027 (09012002)	0.00028 (09012002)
3627952.2	0.00027 (11120504)	0.00024 (11120504)	0.00025 (08021103)	0.00027 (09012002)	0.00029 (09012002)
3627752.2	0.00028 (11120504)	0.00026 (11120504)	0.00025 (08021103)	0.00026 (09012002)	0.00028 (09012002)
3627552.2	0.00028 (08062206)	0.00028 (11120504)	0.00024 (08021103)	0.00025 (08021103)	0.00028 (09012002)
3627352.2	0.00030 (08062206)	0.00029 (11120504)	0.00026 (08062206)	0.00026 (08021103)	0.00026 (09012002)
3627152.2	0.00030 (08062206)	0.00030 (11120504)	0.00028 (11120504)	0.00028 (08021103)	0.00027 (08021103)
3626952.2	0.00030 (08062206)	0.00030 (08062206)	0.00031 (11120504)	0.00029 (08062206)	0.00027 (08021103)
3626752.2	0.00028 (08062206)	0.00030 (09012002)	0.00032 (11120504)	0.00030 (08062206)	0.00028 (08062206)
3626552.2	0.00030 (11020622)	0.00028 (08062206)	0.00031 (11120504)	0.00031 (11120504)	0.00030 (08062206)
3626352.2	0.00033 (11020622)	0.00030 (11020622)	0.00031 (09012002)	0.00034 (11120504)	0.00032 (08062206)
3626152.2	0.00038 (09121922)	0.00034 (11020622)	0.00031 (11020622)	0.00035 (11120504)	0.00031 (11120504)
3625952.2	0.00040 (09121922)	0.00039 (09121922)	0.00036 (11020622)	0.00034 (09012002)	0.00037 (11120504)
3625752.2	0.00044 (13022324)	0.00045 (09121922)	0.00042 (09121922)	0.00036 (11020622)	0.00037 (11120504)
3625552.2	0.00048 (11122104)	0.00054 (12110521)	0.00048 (09121922)	0.00042 (09121922)	0.00038 (09012002)
3625352.2	0.00047 (12121706)	0.00052 (11122104)	0.00052 (13022324)	0.00052 (09121922)	0.00044 (09121922)
3625152.2	0.00063 (12121706)	0.00056 (12121706)	0.00058 (11122104)	0.00059 (13022324)	0.00056 (09121922)
3624952.2	0.00063 (12121706)	0.00070 (12121706)	0.00065 (12121706)	0.00064 (11122104)	0.00064 (13022324)
3624752.2	0.00049 (10102807)	0.00060 (12121706)	0.00070 (12121706)	0.00068 (12121706)	0.00070 (08020502)
3624552.2	0.00059 (09121602)	0.00061 (09121602)	0.00061 (09121602)	0.00072 (12121706)	0.00080 (12121706)
3624352.2	0.00065 (11012202)	0.00070 (11012202)	0.00074 (11012202)	0.00073 (11012202)	0.00074 (11012202)
3624152.2	0.00072 (11012202)	0.00072 (11012202)	0.00076 (11012202)	0.00080 (11012202)	0.00081 (11012202)
3623952.2	0.00074 (11012202)	0.00072 (11012202)	0.00074 (11112304)	0.00077 (11112304)	0.00081 (11112304)
3623752.2	0.00072 (11112304)	0.00070 (11112304)	0.00068 (11112304)	0.00064 (11112304)	0.00059 (11112304)
3623552.2	0.00057 (11112304)	0.00054 (11012506)	0.00063 (11012506)	0.00073 (11012506)	0.00078 (11012506)
3623352.2	0.00068 (11012506)	0.00077 (11012506)	0.00076 (11012506)	0.00076 (11012506)	0.00068 (11012506)
3623152.2	0.00081 (11012506)	0.00070 (11012506)	0.00071 (12030504)	0.00074 (12030504)	0.00069 (12030504)
3622952.2	0.00071 (12030504)	0.00077 (12030504)	0.00072 (12030504)	0.00063 (10122304)	0.00064 (10122304)
3622752.2	0.00069 (12030504)	0.00071 (10122304)	0.00066 (10122304)	0.00058 (10122304)	0.00053 (10122304)
3622552.2	0.00066 (10122304)	0.00057 (12010524)	0.00054 (10122304)	0.00052 (10122304)	0.00052 (10122304)
3622352.2	0.00055 (12010524)	0.00051 (10122304)	0.00050 (10122304)	0.00049 (10122304)	0.00047 (10122304)
3622152.2	0.00049 (10122304)	0.00047 (10122304)	0.00046 (10122304)	0.00045 (10122304)	0.00043 (10122304)
3621952.2	0.00045 (10122304)	0.00043 (10122304)	0.00042 (10122304)	0.00040 (10122304)	0.00041 (12010524)
3621752.2	0.00041 (10122304)	0.00039 (10122304)	0.00039 (12010524)	0.00038 (12010524)	0.00038 (12010524)
3621552.2	0.00038 (10122304)	0.00037 (12010524)	0.00036 (12010524)	0.00035 (12010524)	0.00036 (12010522)
3621352.2	0.00035 (12010524)	0.00034 (12010524)	0.00035 (12010522)	0.00034 (12010522)	0.00033 (12010524)
3621152.2	0.00034 (12010522)	0.00033 (12010522)	0.00032 (12010524)	0.00032 (12010524)	0.00032 (12010524)
3620952.2	0.00033 (12010522)	0.00031 (12010522)	0.00031 (12010522)	0.00032 (12010522)	0.00033 (12010522)
3620752.2	0.00031 (12010522)	0.00030 (12010524)	0.00033 (12010522)	0.00034 (12010522)	0.00033 (12010522)
3620552.2	0.00033 (09121602)	0.00033 (09121602)	0.00034 (09121602)	0.00035 (09121602)	0.00036 (09121602)
3620352.2	0.00037 (09121602)	0.00037 (09121602)	0.00038 (09121602)	0.00039 (09121602)	0.00040 (09121602)



\*\*MODELOPTs: NonDEFAULT CONC FLAT and ELEV

\*\*\* THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL \*\*\*  
 INCLUDING SOURCE(S): L0000877 , L0000878 , L0000879 , L0000880 , L0000881 ,  
 L0000882 , L0000883 , L0000884 , L0000885 , L0000886 , L0000887 , L0000888 , L0000889 ,  
 L0000890 , L0000891 , L0000892 , L0000893 , L0000894 , L0000895 , L0000896 , L0000897 ,  
 L0000898 , L0000899 , L0000900 , L0000901 , L0000902 , L0000903 , L0000904 , . . .

\*\*\* NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART \*\*\*

\*\* CONC OF PM<sub>10</sub> IN MICROGRAMS/M<sup>3</sup> \*\*

Y-COORD (METERS)	479616.60	479816.60	480016.60	480216.60	480416.60
3620152.2	0.00036 (09121602)	0.00037 (09121602)	0.00037 (09121602)	0.00037 (09121602)	0.00038 (09121602)
3619952.2	0.00033 (09121602)	0.00033 (09121602)	0.00033 (09121602)	0.00033 (09121602)	0.00033 (12010522)
3619752.2	0.00032 (09121602)	0.00033 (09121602)	0.00033 (09121602)	0.00034 (09121602)	0.00034 (09121602)
3619552.2	0.00036 (09121602)	0.00037 (09121602)	0.00038 (09121602)	0.00039 (09121602)	0.00039 (09121602)
3619352.2	0.00041 (09121602)	0.00042 (09121602)	0.00044 (09121602)	0.00048 (09121602)	0.00044 (09121602)
3619152.2	0.00045 (09121602)	0.00047 (09121602)	0.00049 (09121602)	0.00048 (09121602)	0.00049 (09121602)
3618952.2	0.00041 (09121602)	0.00042 (09121602)	0.00041 (09121602)	0.00040 (09121602)	0.00043 (09121602)
3618752.2	0.00033 (12010522)	0.00034 (12010522)	0.00033 (12010522)	0.00033 (12010522)	0.00034 (12010522)
3618552.2	0.00033 (12010522)	0.00033 (12010522)	0.00036 (11012202)	0.00035 (11012202)	0.00041 (11012202)
3618352.2	0.00040 (11012202)	0.00041 (11012202)	0.00050 (11012202)	0.00055 (11012202)	0.00052 (11012202)

\*\*MODELOPTs: NonDEFAULT CONC FLAT and ELEV

\*\*\* THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL \*\*\*  
 INCLUDING SOURCE(S): L0000877 , L0000878 , L0000879 , L0000880 , L0000881 ,  
 L0000882 , L0000883 , L0000884 , L0000885 , L0000886 , L0000887 , L0000888 , L0000889 ,  
 L0000890 , L0000891 , L0000892 , L0000893 , L0000894 , L0000895 , L0000896 , L0000897 ,  
 L0000898 , L0000899 , L0000900 , L0000901 , L0000902 , L0000903 , L0000904 , . . .

\*\*\* NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART \*\*\*

\*\* CONC OF PM\_10 IN MICROGRAMS/M\*\*3 \*\*

Y-COORD (METERS)	X-COORD (METERS)				
	480616.60	480816.60	481016.60	481216.60	481416.60
3628152.2	0.00032 (11120504)	0.00035 (11120504)	0.00031 (11120504)	0.00027 (12120302)	0.00023 (11012606)
3627952.2	0.00030 (11120504)	0.00033 (11120504)	0.00034 (11120504)	0.00033 (08110722)	0.00026 (08110722)
3627752.2	0.00030 (09012002)	0.00033 (11120504)	0.00036 (11120504)	0.00034 (10010302)	0.00031 (08110722)
3627552.2	0.00030 (09012002)	0.00032 (11120504)	0.00037 (11120504)	0.00035 (11120504)	0.00030 (12121706)
3627352.2	0.00030 (09012002)	0.00033 (09012002)	0.00036 (11120504)	0.00041 (11120504)	0.00033 (10010302)
3627152.2	0.00030 (09012002)	0.00034 (09012002)	0.00035 (09012002)	0.00042 (11120504)	0.00032 (12121706)
3626952.2	0.00029 (09012002)	0.00034 (09012002)	0.00037 (09012002)	0.00040 (09012002)	0.00037 (11120504)
3626752.2	0.00029 (08021103)	0.00033 (09012002)	0.00038 (09012002)	0.00037 (09012002)	0.00040 (11120504)
3626552.2	0.00028 (08021103)	0.00030 (09012002)	0.00034 (09012002)	0.00036 (09012002)	0.00038 (11120504)
3626352.2	0.00030 (08062206)	0.00027 (08021103)	0.00032 (09012002)	0.00037 (09012002)	0.00038 (09012002)
3626152.2	0.00032 (08062206)	0.00030 (08062206)	0.00030 (09121602)	0.00041 (09012002)	0.00042 (08121906)
3625952.2	0.00033 (08062206)	0.00032 (08062206)	0.00033 (09121602)	0.00035 (09012002)	0.00046 (09012002)
3625752.2	0.00034 (11120504)	0.00034 (08062206)	0.00034 (09121602)	0.00035 (09121602)	0.00040 (09012002)
3625552.2	0.00036 (11120504)	0.00036 (09121602)	0.00038 (09121602)	0.00039 (09121602)	0.00040 (09121602)
3625352.2	0.00043 (11120504)	0.00039 (09121602)	0.00040 (09121602)	0.00041 (09121602)	0.00042 (09121602)
3625152.2	0.00045 (09121922)	0.00042 (11020622)	0.00041 (09121602)	0.00041 (09121602)	0.00043 (09121602)
3624952.2	0.00056 (09121922)	0.00047 (09121922)	0.00047 (09121602)	0.00050 (09121602)	0.00050 (09121602)
3624752.2	0.00069 (13022324)	0.00058 (09121922)	0.00061 (09121602)	0.00064 (09121602)	0.00064 (09121602)
3624552.2	0.00086 (11012202)	0.00092 (11012202)	0.00076 (11012202)	0.00070 (11012202)	0.00072 (11012202)
3624352.2	0.00085 (12121706)	0.00092 (08020502)	0.00084 (11012202)	0.00085 (11012202)	0.00087 (11012202)
3624152.2	0.00082 (11012202)	0.00088 (12121706)	0.00100 (12121706)	0.00086 (11112304)	0.00085 (11112304)
3623952.2	0.00079 (11112304)	0.00077 (11112304)	0.00088 (12121706)	0.00102 (12121706)	0.00082 (11012506)
3623752.2	0.00067 (11012506)	0.00077 (11012506)	0.00088 (11012506)	0.00091 (11012506)	0.00117 (12121706)
3623552.2	0.00081 (11012506)	0.00079 (11012506)	0.00070 (11012506)	0.00080 (12030504)	0.00090 (12120302)
3623352.2	0.00072 (12030504)	0.00075 (12030504)	0.00071 (12030504)	0.00073 (10122304)	0.00071 (10122304)
3623152.2	0.00065 (12030504)	0.00066 (10122304)	0.00065 (10122304)	0.00061 (10122304)	0.00057 (12010524)
3622952.2	0.00060 (10122304)	0.00057 (10122304)	0.00055 (10122304)	0.00059 (10122304)	0.00057 (10122304)
3622752.2	0.00051 (10122304)	0.00053 (10122304)	0.00054 (10122304)	0.00052 (10122304)	0.00052 (12010524)
3622552.2	0.00050 (10122304)	0.00051 (10122304)	0.00049 (10122304)	0.00048 (12010524)	0.00049 (12010524)
3622352.2	0.00045 (10122304)	0.00046 (10122304)	0.00046 (12010524)	0.00045 (12010524)	0.00045 (12010524)
3622152.2	0.00042 (12010524)	0.00042 (12010524)	0.00043 (12010524)	0.00042 (12010524)	0.00042 (12010524)
3621952.2	0.00040 (12010524)	0.00039 (12010524)	0.00038 (12010524)	0.00038 (12010524)	0.00037 (12010524)
3621752.2	0.00037 (12010524)	0.00036 (12010524)	0.00037 (12010524)	0.00037 (12010524)	0.00037 (12010522)
3621552.2	0.00035 (12010524)	0.00036 (12010524)	0.00035 (12010522)	0.00038 (12010522)	0.00038 (12010522)
3621352.2	0.00034 (12010524)	0.00035 (12010522)	0.00036 (12010522)	0.00038 (12010522)	0.00038 (12010522)
3621152.2	0.00033 (12010522)	0.00034 (12010522)	0.00035 (12010522)	0.00036 (12010522)	0.00038 (12010522)
3620952.2	0.00034 (12010522)	0.00034 (12010522)	0.00037 (12010522)	0.00036 (12010522)	0.00039 (12010522)
3620752.2	0.00034 (12010522)	0.00035 (12010522)	0.00035 (12010522)	0.00036 (12010522)	0.00037 (12010522)
3620552.2	0.00037 (09121602)	0.00038 (09121602)	0.00039 (09121602)	0.00041 (09121602)	0.00042 (09121602)
3620352.2	0.00041 (09121602)	0.00042 (09121602)	0.00043 (09121602)	0.00044 (09121602)	0.00045 (09121602)

\*\*MODELOPTs: NonDEFAULT CONC FLAT and ELEV

\*\*\* THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL \*\*\*  
 INCLUDING SOURCE(S): L0000877 , L0000878 , L0000879 , L0000880 , L0000881 ,  
 L0000882 , L0000883 , L0000884 , L0000885 , L0000886 , L0000887 , L0000888 , L0000889 ,  
 L0000890 , L0000891 , L0000892 , L0000893 , L0000894 , L0000895 , L0000896 , L0000897 ,  
 L0000898 , L0000899 , L0000900 , L0000901 , L0000902 , L0000903 , L0000904 , . . .

\*\*\* NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART \*\*\*

\*\* CONC OF PM<sub>10</sub> IN MICROGRAMS/M<sup>3</sup> \*\*

Y-COORD (METERS)	X-COORD (METERS)				
	480616.60	480816.60	481016.60	481216.60	481416.60
3620152.2	0.00038 (09121602)	0.00038 (09121602)	0.00038 (09121602)	0.00038 (09121602)	0.00038 (09121602)
3619952.2	0.00034 (12010522)	0.00035 (12010522)	0.00036 (12010522)	0.00037 (12010522)	0.00038 (11012202)
3619752.2	0.00035 (11012202)	0.00037 (11012202)	0.00038 (11012202)	0.00038 (11012202)	0.00039 (11012202)
3619552.2	0.00040 (09121602)	0.00042 (09121602)	0.00044 (09121602)	0.00044 (09121602)	0.00046 (09121602)
3619352.2	0.00047 (09121602)	0.00048 (09121602)	0.00050 (09121602)	0.00052 (09121602)	0.00054 (09121602)
3619152.2	0.00050 (09121602)	0.00050 (09121602)	0.00053 (09121602)	0.00053 (09121602)	0.00053 (09121602)
3618952.2	0.00042 (09121602)	0.00043 (09121602)	0.00043 (09121602)	0.00042 (09121602)	0.00042 (09121602)
3618752.2	0.00035 (09010408)	0.00039 (09010408)	0.00037 (09010408)	0.00039 (11012202)	0.00042 (11012202)
3618552.2	0.00043 (11012202)	0.00046 (11012202)	0.00051 (11012202)	0.00054 (11012202)	0.00057 (11012202)
3618352.2	0.00056 (11012202)	0.00058 (11012202)	0.00062 (11012202)	0.00066 (11012202)	0.00063 (11012202)

\*\*MODELOPTs: NonDEFAULT CONC FLAT and ELEV

\*\*\* THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL \*\*\*  
 INCLUDING SOURCE(S): L0000877 , L0000878 , L0000879 , L0000880 , L0000881 ,  
 L0000882 , L0000883 , L0000884 , L0000885 , L0000886 , L0000887 , L0000888 , L0000889 ,  
 L0000890 , L0000891 , L0000892 , L0000893 , L0000894 , L0000895 , L0000896 , L0000897 ,  
 L0000898 , L0000899 , L0000900 , L0000901 , L0000902 , L0000903 , L0000904 , . . .

\*\*\* NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART \*\*\*

\*\* CONC OF PM\_10 IN MICROGRAMS/M\*\*3 \*\*

Y-COORD (METERS)	481616.60	481816.60	482016.60	482216.60	482416.60
3628152.2	0.00023 (11012606)	0.00029 (11012606)	0.00028 (11012606)	0.00027 (12111624)	0.00031 (12120302)
3627952.2	0.00024 (11012606)	0.00027 (12020701)	0.00030 (12020701)	0.00027 (11012606)	0.00031 (12120302)
3627752.2	0.00024 (12121706)	0.00026 (12020701)	0.00029 (12020701)	0.00028 (12020701)	0.00030 (11120504)
3627552.2	0.00032 (08110722)	0.00025 (12121706)	0.00024 (11012606)	0.00030 (08121908)	0.00031 (12020701)
3627352.2	0.00031 (12121706)	0.00034 (12121706)	0.00033 (12121706)	0.00030 (12030424)	0.00029 (08121908)
3627152.2	0.00032 (12121706)	0.00035 (12121706)	0.00036 (12121706)	0.00034 (12121706)	0.00030 (12030424)
3626952.2	0.00034 (10010302)	0.00032 (12121706)	0.00033 (12121706)	0.00034 (12121706)	0.00032 (12121706)
3626752.2	0.00037 (11120504)	0.00035 (08110722)	0.00033 (12121706)	0.00035 (12121706)	0.00036 (12121706)
3626552.2	0.00039 (11120504)	0.00034 (11120504)	0.00034 (08021103)	0.00033 (12121706)	0.00037 (09012002)
3626352.2	0.00039 (11120504)	0.00038 (11120504)	0.00033 (08021103)	0.00035 (08021103)	0.00037 (08021103)
3626152.2	0.00032 (09121602)	0.00032 (09121602)	0.00042 (09121602)	0.00041 (09121602)	0.00033 (09121602)
3625952.2	0.00041 (08121906)	0.00032 (10102807)	0.00032 (10102807)	0.00034 (10102807)	0.00034 (10102807)
3625752.2	0.00052 (09012002)	0.00036 (08121906)	0.00045 (10010302)	0.00040 (08110722)	0.00032 (09010408)
3625552.2	0.00043 (09012002)	0.00044 (09012002)	0.00047 (11120504)	0.00047 (09121602)	0.00047 (09121602)
3625352.2	0.00043 (09121602)	0.00045 (09012002)	0.00046 (11120504)	0.00045 (09121602)	0.00046 (09121602)
3625152.2	0.00044 (09121602)	0.00045 (09012002)	0.00046 (09012002)	0.00048 (11120504)	0.00048 (09121602)
3624952.2	0.00052 (09121602)	0.00053 (09121602)	0.00054 (09121602)	0.00056 (11012202)	0.00057 (11012202)
3624752.2	0.00067 (11012202)	0.00066 (11012202)	0.00065 (11012202)	0.00067 (11012202)	0.00069 (11012202)
3624552.2	0.00076 (11012202)	0.00072 (11112304)	0.00090 (11012202)	0.00063 (11112304)	0.00065 (11112304)
3624352.2	0.00088 (11012202)	0.00081 (11112304)	0.00053 (11112304)	0.00061 (09122103)	0.00032 (11112304)
3624152.2	0.00078 (11112304)	0.00075 (09021103)	0.00047 (11100502)	0.00038 (09032307)	0.00030 (11112304)
3623952.2	0.00093 (11012506)	0.00098 (11012506)	0.00090 (11012506)	0.00043 (08062206)	0.00034 (11012506)
3623752.2	0.00084 (12030504)	0.00087 (12030504)	0.00084 (12030504)	0.00052 (11011901)	0.00031 (11012506)
3623552.2	0.00121 (12121706)	0.00082 (11122104)	0.00071 (13022324)	0.00089 (09120306)	0.00033 (08062206)
3623352.2	0.00069 (12010524)	0.00113 (12120302)	0.00098 (12121706)	0.00105 (12010601)	0.00068 (11042404)
3623152.2	0.00063 (12010524)	0.00064 (12010524)	0.00086 (12012601)	0.00121 (12121706)	0.00106 (12020622)
3622952.2	0.00057 (12010524)	0.00059 (12010524)	0.00061 (12121706)	0.00076 (08112206)	0.00108 (08021202)
3622752.2	0.00053 (12010524)	0.00053 (12010524)	0.00057 (12121706)	0.00060 (12121706)	0.00071 (08112206)
3622552.2	0.00050 (12120302)	0.00052 (12120302)	0.00054 (12120302)	0.00054 (10102807)	0.00062 (12012601)
3622352.2	0.00046 (12120302)	0.00050 (12120302)	0.00053 (12120302)	0.00055 (12120302)	0.00056 (10102807)
3622152.2	0.00041 (12010524)	0.00043 (12120302)	0.00050 (12120302)	0.00054 (12120302)	0.00057 (12120302)
3621952.2	0.00040 (12010522)	0.00041 (12010522)	0.00039 (12010522)	0.00045 (12120302)	0.00053 (12120302)
3621752.2	0.00037 (12010522)	0.00037 (12010522)	0.00038 (12010522)	0.00039 (12010522)	0.00040 (12010522)
3621552.2	0.00040 (12010522)	0.00040 (12010522)	0.00040 (12010522)	0.00041 (12010522)	0.00042 (12010522)
3621352.2	0.00039 (12010522)	0.00039 (12010522)	0.00040 (12010522)	0.00041 (12010522)	0.00042 (12010522)
3621152.2	0.00038 (12010522)	0.00039 (12010522)	0.00040 (12010522)	0.00040 (12010522)	0.00041 (12010522)
3620952.2	0.00038 (12010522)	0.00038 (12010522)	0.00039 (12010522)	0.00040 (12010522)	0.00041 (12010522)
3620752.2	0.00037 (12010522)	0.00038 (12010522)	0.00039 (12010522)	0.00040 (12010522)	0.00042 (12010522)
3620552.2	0.00043 (09121602)	0.00045 (09121602)	0.00047 (09121602)	0.00048 (09121602)	0.00050 (09121602)
3620352.2	0.00046 (09121602)	0.00047 (09121602)	0.00048 (09121602)	0.00048 (09121602)	0.00049 (09121602)

\*\*MODELOPTs: NonDEFAULT CONC FLAT and ELEV

\*\*\* THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL \*\*\*  
 INCLUDING SOURCE(S): L0000877 , L0000878 , L0000879 , L0000880 , L0000881 ,  
 L0000882 , L0000883 , L0000884 , L0000885 , L0000886 , L0000887 , L0000888 , L0000889 ,  
 L0000890 , L0000891 , L0000892 , L0000893 , L0000894 , L0000895 , L0000896 , L0000897 ,  
 L0000898 , L0000899 , L0000900 , L0000901 , L0000902 , L0000903 , L0000904 , . . .

\*\*\* NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART \*\*\*

\*\* CONC OF PM<sub>10</sub> IN MICROGRAMS/M<sup>3</sup> \*\*

Y-COORD (METERS)	481616.60	481816.60	482016.60	482216.60	482416.60
3620152.2	0.00038 (12010522)	0.00039 (12010522)	0.00040 (12010522)	0.00040 (11012202)	0.00044 (11012202)
3619952.2	0.00040 (11012202)	0.00042 (11012202)	0.00043 (11012202)	0.00044 (11012202)	0.00043 (11012202)
3619752.2	0.00038 (09121602)	0.00039 (09121602)	0.00040 (09121602)	0.00041 (09121602)	0.00042 (09121602)
3619552.2	0.00046 (09121602)	0.00049 (09121602)	0.00049 (09121602)	0.00050 (09121602)	0.00052 (09121602)
3619352.2	0.00054 (09121602)	0.00057 (09121602)	0.00057 (09121602)	0.00060 (09121602)	0.00060 (09121602)
3619152.2	0.00054 (09121602)	0.00056 (09121602)	0.00056 (09121602)	0.00055 (09121602)	0.00055 (09121602)
3618952.2	0.00043 (09121602)	0.00043 (09121602)	0.00042 (09010408)	0.00043 (09010408)	0.00044 (09010408)
3618752.2	0.00045 (11012202)	0.00050 (11012202)	0.00054 (11012202)	0.00057 (11012202)	0.00063 (11012202)
3618552.2	0.00064 (11012202)	0.00067 (11012202)	0.00069 (11012202)	0.00073 (11012202)	0.00075 (11012202)
3618352.2	0.00070 (11012202)	0.00072 (11012202)	0.00069 (11012202)	0.00067 (11012202)	0.00068 (11112304)

\*\*MODELOPTs: NonDEFAULT CONC FLAT and ELEV

\*\*\* THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL \*\*\*  
 INCLUDING SOURCE(S): L0000877 , L0000878 , L0000879 , L0000880 , L0000881 ,  
 L0000882 , L0000883 , L0000884 , L0000885 , L0000886 , L0000887 , L0000888 , L0000889 ,  
 L0000890 , L0000891 , L0000892 , L0000893 , L0000894 , L0000895 , L0000896 , L0000897 ,  
 L0000898 , L0000899 , L0000900 , L0000901 , L0000902 , L0000903 , L0000904 , . . .

\*\*\* NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART \*\*\*

\*\* CONC OF PM\_10 IN MICROGRAMS/M\*\*3 \*\*

Y-COORD (METERS)	482616.60	482816.60	483016.60	483216.60	483416.60
3628152.2	0.00026 (12120302)	0.00032 (12021505)	0.00030 (12020622)	0.00032 (13022203)	0.00031 (13022203)
3627952.2	0.00025 (12120302)	0.00028 (12021505)	0.00033 (12021505)	0.00032 (12020622)	0.00034 (13022203)
3627752.2	0.00029 (12120302)	0.00028 (12111624)	0.00028 (12120302)	0.00033 (12021505)	0.00032 (12020622)
3627552.2	0.00032 (12120302)	0.00028 (12120302)	0.00027 (12021505)	0.00031 (12111624)	0.00029 (12020622)
3627352.2	0.00033 (11120504)	0.00033 (09012403)	0.00025 (12120302)	0.00028 (12120302)	0.00026 (12120302)
3627152.2	0.00026 (11012606)	0.00033 (12120302)	0.00029 (12120302)	0.00027 (13030203)	0.00033 (12111624)
3626952.2	0.00032 (12121706)	0.00033 (11120504)	0.00029 (09011221)	0.00032 (11012606)	0.00035 (11012606)
3626752.2	0.00035 (11120504)	0.00035 (11120504)	0.00032 (13012022)	0.00029 (12030423)	0.00035 (12020701)
3626552.2	0.00033 (09012002)	0.00033 (11120504)	0.00033 (12030423)	0.00029 (12121706)	0.00033 (12020701)
3626352.2	0.00039 (09121602)	0.00036 (12121706)	0.00039 (12121706)	0.00038 (12121706)	0.00036 (12121706)
3626152.2	0.00036 (09121602)	0.00035 (12121706)	0.00036 (12121706)	0.00041 (12121706)	0.00039 (12121706)
3625952.2	0.00028 (12121706)	0.00030 (10102807)	0.00031 (12010521)	0.00034 (12121706)	0.00039 (12121706)
3625752.2	0.00035 (10102807)	0.00042 (09010408)	0.00033 (09010408)	0.00031 (12010521)	0.00039 (12121706)
3625552.2	0.00047 (09121602)	0.00049 (09121602)	0.00047 (09010408)	0.00046 (09010408)	0.00053 (09121602)
3625352.2	0.00047 (09121602)	0.00047 (09121602)	0.00048 (09121602)	0.00048 (09121602)	0.00052 (11012202)
3625152.2	0.00049 (11012202)	0.00053 (11012202)	0.00057 (11012202)	0.00060 (11012202)	0.00063 (11012202)
3624952.2	0.00062 (11012202)	0.00064 (11012202)	0.00067 (11012202)	0.00068 (11012202)	0.00073 (11012202)
3624752.2	0.00073 (11012202)	0.00080 (11012202)	0.00086 (11012202)	0.00094 (11012202)	0.00095 (11112304)
3624552.2	0.00110 (11112304)	0.00111 (11112304)	0.00109 (11112304)	0.00110 (11012506)	0.00148 (11012506)
3624352.2	0.00032 (11112304)	0.00061 (09032307)	0.00091 (11012506)	0.00098 (12030504)	0.00068 (08122101)
3624152.2	0.00029 (11112304)	0.00041 (11012506)	0.00027 (11112304)	0.00035 (11012506)	0.00031 (11012506)
3623952.2	0.00027 (11012506)	0.00031 (11012506)	0.00028 (11012506)	0.00031 (11012506)	0.00031 (11012506)
3623752.2	0.00029 (11012506)	0.00030 (11012506)	0.00030 (11012506)	0.00029 (11012506)	0.00028 (11012506)
3623552.2	0.00029 (11012506)	0.00028 (12030504)	0.00031 (12030504)	0.00031 (12030504)	0.00029 (12030504)
3623352.2	0.00051 (08062206)	0.00037 (10011604)	0.00038 (12010524)	0.00030 (10122304)	0.00031 (12010524)
3623152.2	0.00108 (11042404)	0.00086 (10011604)	0.00035 (12111624)	0.00039 (10010302)	0.00028 (12010301)
3622952.2	0.00105 (12121706)	0.00104 (10021202)	0.00081 (10011604)	0.00052 (09012002)	0.00029 (12111624)
3622752.2	0.00093 (08021202)	0.00129 (12013007)	0.00112 (10012902)	0.00085 (09012002)	0.00046 (10010302)
3622552.2	0.00067 (08112206)	0.00084 (10122704)	0.00086 (08021202)	0.00139 (12021005)	0.00077 (09012002)
3622352.2	0.00062 (12012601)	0.00065 (12121706)	0.00076 (10122704)	0.00086 (08021202)	0.00137 (11011603)
3622152.2	0.00059 (12120302)	0.00060 (12012601)	0.00064 (12121706)	0.00071 (10122704)	0.00099 (13010602)
3621952.2	0.00062 (13121221)	0.00059 (12120302)	0.00060 (12120302)	0.00068 (12121706)	0.00076 (12121706)
3621752.2	0.00051 (12120302)	0.00065 (13121221)	0.00058 (12120302)	0.00062 (12120302)	0.00069 (12121706)
3621552.2	0.00041 (12010522)	0.00044 (12120302)	0.00052 (12120302)	0.00063 (08121107)	0.00065 (12120302)
3621352.2	0.00042 (12010522)	0.00044 (12010522)	0.00044 (12010522)	0.00047 (12120302)	0.00056 (12120302)
3621152.2	0.00045 (13020624)	0.00044 (12010522)	0.00046 (12010522)	0.00046 (12010522)	0.00048 (12010522)
3620952.2	0.00042 (12010522)	0.00045 (12010522)	0.00045 (12010522)	0.00045 (12010522)	0.00045 (12010522)
3620752.2	0.00043 (12010522)	0.00043 (12010522)	0.00043 (12010522)	0.00044 (12010522)	0.00045 (13113021)
3620552.2	0.00052 (09121602)	0.00055 (09121602)	0.00057 (09121602)	0.00060 (09121602)	0.00064 (09121602)
3620352.2	0.00049 (09121602)	0.00049 (09121602)	0.00048 (09121602)	0.00048 (09121602)	0.00052 (11012202)

\*\*MODELOPTs: NonDEFAULT CONC FLAT and ELEV

\*\*\* THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL \*\*\*  
 INCLUDING SOURCE(S): L0000877 , L0000878 , L0000879 , L0000880 , L0000881 ,  
 L0000882 , L0000883 , L0000884 , L0000885 , L0000886 , L0000887 , L0000888 , L0000889 ,  
 L0000890 , L0000891 , L0000892 , L0000893 , L0000894 , L0000895 , L0000896 , L0000897 ,  
 L0000898 , L0000899 , L0000900 , L0000901 , L0000902 , L0000903 , L0000904 , . . .

\*\*\* NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART \*\*\*

\*\* CONC OF PM<sub>10</sub> IN MICROGRAMS/M<sup>3</sup> \*\*

Y-COORD (METERS)	X-COORD (METERS)				
	482616.60	482816.60	483016.60	483216.60	483416.60
3620152.2	0.00047 (11012202)	0.00050 (11012202)	0.00052 (11012202)	0.00051 (11012202)	0.00050 (11112304)
3619952.2	0.00042 (11112304)	0.00041 (11112304)	0.00042 (11111324)	0.00043 (11012506)	0.00045 (12030504)
3619752.2	0.00044 (09121602)	0.00045 (09121602)	0.00046 (09121602)	0.00047 (09121602)	0.00049 (09121602)
3619552.2	0.00053 (09121602)	0.00055 (09121602)	0.00056 (09121602)	0.00058 (09121602)	0.00060 (09121602)
3619352.2	0.00061 (09121602)	0.00063 (09121602)	0.00065 (09121602)	0.00067 (09121602)	0.00069 (09121602)
3619152.2	0.00055 (09121602)	0.00055 (09121602)	0.00055 (09121602)	0.00055 (09121602)	0.00055 (09121602)
3618952.2	0.00046 (11012202)	0.00050 (11012202)	0.00056 (11012202)	0.00062 (11012202)	0.00068 (11012202)
3618752.2	0.00067 (11012202)	0.00072 (11012202)	0.00077 (11012202)	0.00082 (11012202)	0.00085 (11012202)
3618552.2	0.00078 (11012202)	0.00079 (11012202)	0.00075 (11012202)	0.00076 (11112304)	0.00078 (11112304)
3618352.2	0.00071 (11112304)	0.00073 (11112304)	0.00070 (11112304)	0.00066 (11112304)	0.00064 (11012506)

\*\*MODELOPTs: NonDEFAULT CONC FLAT and ELEV

\*\*\* THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL \*\*\*  
 INCLUDING SOURCE(S): L0000877 , L0000878 , L0000879 , L0000880 , L0000881 ,  
 L0000882 , L0000883 , L0000884 , L0000885 , L0000886 , L0000887 , L0000888 , L0000889 ,  
 L0000890 , L0000891 , L0000892 , L0000893 , L0000894 , L0000895 , L0000896 , L0000897 ,  
 L0000898 , L0000899 , L0000900 , L0000901 , L0000902 , L0000903 , L0000904 , . . .

\*\*\* NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART \*\*\*

\*\* CONC OF PM\_10 IN MICROGRAMS/M\*\*3 \*\*

Y-COORD (METERS)	483616.60	483816.60	484016.60	484216.60	484416.60
3628152.2	0.00029 (12121706)	0.00033 (12121706)	0.00034 (12121706)	0.00032 (09120306)	0.00033 (09020423)
3627952.2	0.00030 (10102807)	0.00030 (12121706)	0.00032 (12121706)	0.00035 (12121706)	0.00035 (12121706)
3627752.2	0.00029 (12120302)	0.00031 (10102807)	0.00030 (10102807)	0.00031 (13012605)	0.00034 (12121706)
3627552.2	0.00030 (12021505)	0.00029 (10102807)	0.00032 (10102807)	0.00032 (10102807)	0.00033 (13012605)
3627352.2	0.00034 (12021505)	0.00031 (12120302)	0.00033 (12120302)	0.00033 (12120302)	0.00036 (12010601)
3627152.2	0.00031 (12111624)	0.00031 (12121706)	0.00031 (12120302)	0.00033 (12120302)	0.00033 (13022203)
3626952.2	0.00033 (11012606)	0.00029 (12121706)	0.00033 (12121706)	0.00029 (12121706)	0.00030 (12120302)
3626752.2	0.00034 (11012606)	0.00029 (12121706)	0.00033 (12121706)	0.00031 (12111624)	0.00035 (12021505)
3626552.2	0.00035 (12020701)	0.00030 (12020701)	0.00029 (12121706)	0.00036 (12111624)	0.00038 (12021505)
3626352.2	0.00033 (08121908)	0.00031 (08121908)	0.00033 (12020701)	0.00037 (11012606)	0.00038 (12111624)
3626152.2	0.00034 (12030424)	0.00033 (12030424)	0.00036 (08121908)	0.00038 (11012606)	0.00033 (12111624)
3625952.2	0.00042 (12121706)	0.00033 (12121706)	0.00036 (12030424)	0.00035 (11012606)	0.00035 (11012606)
3625752.2	0.00041 (09010408)	0.00045 (09010408)	0.00048 (09121602)	0.00049 (09121602)	0.00050 (09121602)
3625552.2	0.00052 (09121602)	0.00052 (09121602)	0.00053 (09121602)	0.00055 (09121602)	0.00057 (09121602)
3625352.2	0.00056 (11012202)	0.00058 (11012202)	0.00063 (11012202)	0.00069 (11012202)	0.00075 (11012202)
3625152.2	0.00068 (11012202)	0.00069 (11012202)	0.00075 (11012202)	0.00082 (11012202)	0.00086 (11112304)
3624952.2	0.00078 (11012202)	0.00084 (11012202)	0.00092 (11012202)	0.00109 (11112304)	0.00131 (11112304)
3624752.2	0.00105 (11112304)	0.00103 (11112304)	0.00149 (11012506)	0.00144 (12030504)	0.00104 (10122304)
3624552.2	0.00126 (11012506)	0.00116 (12030504)	0.00093 (10122304)	0.00086 (10122304)	0.00080 (12010524)
3624352.2	0.00063 (08122101)	0.00034 (12120302)	0.00053 (12030504)	0.00039 (12030504)	0.00035 (12120302)
3624152.2	0.00034 (11012506)	0.00032 (11012506)	0.00050 (12030504)	0.00040 (12030504)	0.00031 (11012506)
3623952.2	0.00031 (11012506)	0.00035 (12030504)	0.00035 (12030504)	0.00045 (12010524)	0.00031 (12030504)
3623752.2	0.00029 (12030504)	0.00032 (12030504)	0.00033 (10122304)	0.00034 (12010524)	0.00030 (12030504)
3623552.2	0.00031 (10122304)	0.00030 (12010524)	0.00031 (12020702)	0.00032 (12020702)	0.00032 (12020702)
3623352.2	0.00029 (12010524)	0.00028 (12030504)	0.00029 (10013108)	0.00030 (12010524)	0.00031 (12020702)
3623152.2	0.00029 (12010301)	0.00029 (12010524)	0.00030 (12010301)	0.00035 (10011604)	0.00031 (10013108)
3622952.2	0.00028 (13021205)	0.00031 (11042404)	0.00034 (11011901)	0.00037 (10011604)	0.00032 (10011604)
3622752.2	0.00030 (12111624)	0.00033 (12010601)	0.00036 (08021807)	0.00039 (11011901)	0.00039 (10011604)
3622552.2	0.00039 (12111624)	0.00035 (12010601)	0.00039 (12010601)	0.00040 (08011401)	0.00034 (11011901)
3622352.2	0.00041 (09012002)	0.00038 (12122308)	0.00054 (11011324)	0.00036 (12010601)	0.00032 (11042404)
3622152.2	0.00111 (08111524)	0.00042 (08103007)	0.00071 (10110604)	0.00045 (12122308)	0.00040 (12010522)
3621952.2	0.00112 (11020622)	0.00070 (10092523)	0.00045 (12121706)	0.00064 (10110604)	0.00042 (11021320)
3621752.2	0.00078 (12121706)	0.00123 (08112206)	0.00067 (10092523)	0.00103 (09122919)	0.00057 (08112121)
3621552.2	0.00070 (12121706)	0.00087 (12121706)	0.00127 (13021206)	0.00096 (10092523)	0.00050 (12121706)
3621352.2	0.00066 (12120302)	0.00074 (12121706)	0.00115 (08123103)	0.00123 (13021206)	0.00072 (10092523)
3621152.2	0.00053 (12120302)	0.00065 (12120302)	0.00077 (11012707)	0.00178 (08121107)	0.00114 (13021206)
3620952.2	0.00048 (12020903)	0.00051 (12020903)	0.00061 (12120302)	0.00087 (10021705)	0.00169 (08112206)
3620752.2	0.00047 (11111324)	0.00051 (09021101)	0.00056 (09021101)	0.00067 (11010202)	0.00109 (08123103)
3620552.2	0.00067 (09121602)	0.00071 (09121602)	0.00076 (09121602)	0.00082 (09121602)	0.00091 (09121602)
3620352.2	0.00059 (11012202)	0.00065 (11012202)	0.00065 (11012202)	0.00062 (11112304)	0.00065 (12030504)





\*\*MODELOPTs: NonDEFAULT CONC FLAT and ELEV

\*\*\* THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL \*\*\*  
 INCLUDING SOURCE(S): L0000877 , L0000878 , L0000879 , L0000880 , L0000881 ,  
 L0000882 , L0000883 , L0000884 , L0000885 , L0000886 , L0000887 , L0000888 , L0000889 ,  
 L0000890 , L0000891 , L0000892 , L0000893 , L0000894 , L0000895 , L0000896 , L0000897 ,  
 L0000898 , L0000899 , L0000900 , L0000901 , L0000902 , L0000903 , L0000904 , . . .

\*\*\* NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART \*\*\*

\*\* CONC OF PM\_10 IN MICROGRAMS/M\*\*3 \*\*

Y-COORD (METERS)	X-COORD (METERS)				
	484616.60	484816.60	485016.60	485216.60	485416.60
3628152.2	0.00036 (12020521)	0.00041 (08062206)	0.00048 (08062206)	0.00053 (08062206)	0.00052 (08062206)
3627952.2	0.00036 (12020521)	0.00037 (12020521)	0.00044 (08062206)	0.00052 (08062206)	0.00054 (08062206)
3627752.2	0.00036 (12121706)	0.00038 (12020521)	0.00038 (12012608)	0.00049 (08062206)	0.00056 (08062206)
3627552.2	0.00038 (09120306)	0.00037 (09020423)	0.00039 (12020521)	0.00046 (09011421)	0.00055 (08062206)
3627352.2	0.00042 (09120306)	0.00039 (09120306)	0.00042 (12020521)	0.00042 (12020521)	0.00050 (08062206)
3627152.2	0.00036 (13012605)	0.00042 (09120306)	0.00040 (11042404)	0.00047 (12020521)	0.00049 (11011901)
3626952.2	0.00041 (12010601)	0.00033 (12120302)	0.00036 (09011221)	0.00040 (10021202)	0.00039 (10021202)
3626752.2	0.00036 (12010601)	0.00043 (12030423)	0.00039 (13012022)	0.00045 (12120302)	0.00047 (12120302)
3626552.2	0.00040 (12020622)	0.00048 (09121602)	0.00045 (09121602)	0.00047 (09121602)	0.00049 (09121602)
3626352.2	0.00037 (12021505)	0.00048 (09121602)	0.00051 (09121602)	0.00057 (09121602)	0.00054 (09121602)
3626152.2	0.00047 (10012502)	0.00049 (09010408)	0.00043 (12120302)	0.00044 (12120302)	0.00045 (12120302)
3625952.2	0.00052 (09010408)	0.00044 (12120302)	0.00044 (12120302)	0.00045 (09010408)	0.00047 (12120302)
3625752.2	0.00052 (09121602)	0.00054 (09121602)	0.00058 (09121602)	0.00059 (09121602)	0.00061 (09121602)
3625552.2	0.00061 (11012202)	0.00066 (11012202)	0.00071 (11012202)	0.00078 (11012202)	0.00086 (11012202)
3625352.2	0.00080 (11012202)	0.00085 (11012202)	0.00087 (11012202)	0.00095 (11112304)	0.00104 (11112304)
3625152.2	0.00092 (11112304)	0.00104 (11112304)	0.00131 (11112304)	0.00172 (11012506)	0.00122 (12030504)
3624952.2	0.00188 (11012506)	0.00135 (12030504)	0.00104 (12030504)	0.00094 (12010524)	0.00045 (12020701)
3624752.2	0.00087 (12030504)	0.00087 (12010524)	0.00046 (11012506)	0.00037 (11033123)	0.00034 (11112304)
3624552.2	0.00042 (10102807)	0.00068 (12010524)	0.00058 (12010524)	0.00044 (12121706)	0.00044 (12121706)
3624352.2	0.00048 (12030504)	0.00038 (10102807)	0.00052 (12010524)	0.00051 (12010524)	0.00048 (12121706)
3624152.2	0.00034 (12120302)	0.00032 (12120302)	0.00043 (10102807)	0.00040 (10102807)	0.00045 (10102807)
3623952.2	0.00031 (12030504)	0.00033 (12120302)	0.00037 (12120302)	0.00044 (10102807)	0.00041 (10102807)
3623752.2	0.00030 (12030504)	0.00031 (09121602)	0.00031 (09121602)	0.00044 (12120302)	0.00046 (12120302)
3623552.2	0.00030 (09121602)	0.00032 (09121602)	0.00034 (09121602)	0.00032 (09121602)	0.00033 (09121602)
3623352.2	0.00033 (12020702)	0.00033 (12020702)	0.00031 (12020702)	0.00031 (12020702)	0.00031 (09121602)
3623152.2	0.00032 (10013108)	0.00032 (10013108)	0.00032 (12020702)	0.00036 (12020702)	0.00037 (12020702)
3622952.2	0.00032 (12010301)	0.00032 (11012202)	0.00034 (10013108)	0.00033 (11012202)	0.00036 (10013108)
3622752.2	0.00030 (11012202)	0.00030 (12010301)	0.00031 (12010301)	0.00034 (12010301)	0.00034 (10011122)
3622552.2	0.00033 (10011604)	0.00031 (11012506)	0.00031 (11012506)	0.00031 (13021205)	0.00038 (10011122)
3622352.2	0.00029 (12030504)	0.00030 (12030504)	0.00032 (12030504)	0.00031 (12030504)	0.00040 (10011122)
3622152.2	0.00033 (11011901)	0.00031 (10011604)	0.00032 (10122304)	0.00031 (12010924)	0.00045 (08021103)
3621952.2	0.00044 (12010601)	0.00035 (11011901)	0.00028 (10122304)	0.00030 (12010924)	0.00046 (08110722)
3621752.2	0.00045 (12111624)	0.00034 (12010601)	0.00029 (12010522)	0.00032 (12010522)	0.00049 (11120504)
3621552.2	0.00045 (08121908)	0.00043 (12111624)	0.00035 (12010601)	0.00034 (12010522)	0.00043 (09012002)
3621352.2	0.00053 (10102807)	0.00050 (12121706)	0.00042 (12111624)	0.00038 (12010601)	0.00051 (09012002)
3621152.2	0.00058 (10092523)	0.00058 (10102807)	0.00054 (11033123)	0.00048 (12111624)	0.00045 (11011901)
3620952.2	0.00100 (13021206)	0.00058 (12120302)	0.00061 (12120302)	0.00055 (12120302)	0.00074 (08112121)
3620752.2	0.00162 (08112206)	0.00095 (13021206)	0.00073 (10092523)	0.00076 (12010924)	0.00083 (09011524)
3620552.2	0.00165 (08123103)	0.00149 (08112206)	0.00115 (13021206)	0.00076 (10092523)	0.00091 (10092523)
3620352.2	0.00080 (10021705)	0.00159 (12012601)	0.00153 (09122605)	0.00107 (13021206)	0.00087 (10121307)

\*\*MODELOPTs: NonDEFAULT CONC FLAT and ELEV

\*\*\* THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL \*\*\*  
 INCLUDING SOURCE(S): L0000877 , L0000878 , L0000879 , L0000880 , L0000881 ,  
 L0000882 , L0000883 , L0000884 , L0000885 , L0000886 , L0000887 , L0000888 , L0000889 ,  
 L0000890 , L0000891 , L0000892 , L0000893 , L0000894 , L0000895 , L0000896 , L0000897 ,  
 L0000898 , L0000899 , L0000900 , L0000901 , L0000902 , L0000903 , L0000904 , . . .

\*\*\* NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART \*\*\*

\*\* CONC OF PM<sub>10</sub> IN MICROGRAMS/M<sup>3</sup> \*\*

Y-COORD (METERS)	484616.60	484816.60	485016.60	485216.60	485416.60
3620152.2	0.00072 (10032205)	0.00091 (08123103)	0.00155 (12012601)	0.00140 (09122605)	0.00113 (13021206)
3619952.2	0.00065 (09121906)	0.00074 (10021705)	0.00120 (08123103)	0.00058 (13120304)	0.00125 (08112206)
3619752.2	0.00069 (09121602)	0.00072 (09121602)	0.00074 (09121602)	0.00101 (12012601)	0.00109 (08112206)
3619552.2	0.00083 (09121602)	0.00087 (09121602)	0.00087 (09121602)	0.00090 (09121602)	0.00102 (12012601)
3619352.2	0.00083 (09121602)	0.00089 (09121602)	0.00090 (09121602)	0.00089 (09121602)	0.00096 (11012202)
3619152.2	0.00088 (11012202)	0.00101 (11012202)	0.00113 (11012202)	0.00121 (11012202)	0.00128 (11012202)
3618952.2	0.00110 (11012202)	0.00104 (11012202)	0.00105 (11112304)	0.00104 (11112304)	0.00102 (11112304)
3618752.2	0.00088 (11112304)	0.00087 (11112304)	0.00088 (11012506)	0.00095 (11012506)	0.00101 (11012506)
3618552.2	0.00089 (11012506)	0.00091 (11012506)	0.00093 (11012506)	0.00087 (12030504)	0.00091 (12030504)
3618352.2	0.00079 (11012506)	0.00083 (12030504)	0.00085 (12030504)	0.00082 (10122304)	0.00078 (10122304)

\*\*MODELOPTs: NonDEFAULT CONC FLAT and ELEV

\*\*\* THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL \*\*\*  
 INCLUDING SOURCE(S): L0000877 , L0000878 , L0000879 , L0000880 , L0000881 ,  
 L0000882 , L0000883 , L0000884 , L0000885 , L0000886 , L0000887 , L0000888 , L0000889 ,  
 L0000890 , L0000891 , L0000892 , L0000893 , L0000894 , L0000895 , L0000896 , L0000897 ,  
 L0000898 , L0000899 , L0000900 , L0000901 , L0000902 , L0000903 , L0000904 , . . .

\*\*\* NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART \*\*\*

\*\* CONC OF PM\_10 IN MICROGRAMS/M\*\*3 \*\*

Y-COORD (METERS)	485616.60	485816.60	486016.60	486216.60	486416.60
3628152.2	0.00050 (13011306)	0.00058 (10102724)	0.00064 (12122804)	0.00077 (12012105)	0.00099 (11120504)
3627952.2	0.00053 (09012402)	0.00049 (08062206)	0.00067 (10102724)	0.00068 (09012002)	0.00079 (08121906)
3627752.2	0.00055 (08062206)	0.00055 (12020506)	0.00057 (10102724)	0.00068 (12122804)	0.00082 (12012105)
3627552.2	0.00057 (08062206)	0.00057 (12020506)	0.00056 (13011306)	0.00064 (10102724)	0.00070 (12122804)
3627352.2	0.00055 (08062206)	0.00058 (08062206)	0.00060 (12020506)	0.00062 (13011306)	0.00069 (10102724)
3627152.2	0.00049 (08062206)	0.00058 (08062206)	0.00058 (08062206)	0.00053 (08062206)	0.00071 (10102724)
3626952.2	0.00050 (12120302)	0.00055 (08062206)	0.00058 (08062206)	0.00055 (08062206)	0.00058 (09012002)
3626752.2	0.00051 (12120302)	0.00053 (12120302)	0.00054 (12121706)	0.00058 (12121706)	0.00057 (12121706)
3626552.2	0.00052 (09121602)	0.00058 (09121602)	0.00057 (09121602)	0.00060 (09121602)	0.00063 (09121602)
3626352.2	0.00054 (09121602)	0.00055 (09121602)	0.00056 (09121602)	0.00057 (12120302)	0.00058 (12121706)
3626152.2	0.00048 (12120302)	0.00050 (12122504)	0.00051 (12120302)	0.00053 (12120302)	0.00058 (12120302)
3625952.2	0.00051 (11012202)	0.00054 (11012202)	0.00060 (11012202)	0.00065 (11012202)	0.00068 (11012202)
3625752.2	0.00065 (09121602)	0.00071 (11012202)	0.00077 (11012202)	0.00088 (11012202)	0.00103 (11012202)
3625552.2	0.00094 (11012202)	0.00103 (11012202)	0.00113 (11112304)	0.00132 (11012506)	0.00130 (09011524)
3625352.2	0.00118 (11012506)	0.00140 (11012506)	0.00116 (10122304)	0.00090 (10021707)	0.00080 (13121719)
3625152.2	0.00107 (12010524)	0.00087 (12010524)	0.00053 (11012506)	0.00058 (12010601)	0.00043 (12121706)
3624952.2	0.00045 (11012506)	0.00034 (12120302)	0.00047 (12111624)	0.00043 (10102807)	0.00045 (12121706)
3624752.2	0.00033 (11112304)	0.00034 (11112304)	0.00034 (12120302)	0.00041 (12120302)	0.00044 (10102807)
3624552.2	0.00037 (11033123)	0.00033 (11122601)	0.00033 (11122601)	0.00035 (11012506)	0.00040 (12120302)
3624352.2	0.00042 (12010521)	0.00033 (12030504)	0.00033 (12030504)	0.00034 (12030504)	0.00035 (11012506)
3624152.2	0.00042 (12010521)	0.00043 (12010521)	0.00033 (11012506)	0.00034 (12030504)	0.00037 (08121908)
3623952.2	0.00040 (10102807)	0.00039 (10102807)	0.00034 (12030504)	0.00036 (09121602)	0.00036 (11033123)
3623752.2	0.00038 (12120302)	0.00037 (10102807)	0.00037 (10102807)	0.00039 (09121602)	0.00040 (09121602)
3623552.2	0.00036 (12120302)	0.00036 (12120302)	0.00038 (09121602)	0.00040 (09121602)	0.00040 (09121602)
3623352.2	0.00033 (12052902)	0.00033 (12120302)	0.00036 (11012202)	0.00037 (11012202)	0.00040 (11012202)
3623152.2	0.00034 (11012202)	0.00036 (11012202)	0.00037 (11012202)	0.00038 (11012202)	0.00038 (11012202)
3622952.2	0.00036 (12020702)	0.00038 (12020702)	0.00037 (12020702)	0.00037 (11012506)	0.00036 (11012506)
3622752.2	0.00037 (10013108)	0.00039 (10013108)	0.00038 (10013108)	0.00037 (12030504)	0.00042 (12020702)
3622552.2	0.00036 (12010301)	0.00034 (10122304)	0.00036 (12010301)	0.00035 (10122304)	0.00042 (10013108)
3622352.2	0.00035 (13021205)	0.00035 (13021205)	0.00033 (12010522)	0.00037 (12010522)	0.00039 (12010522)
3622152.2	0.00033 (12010924)	0.00033 (12010522)	0.00037 (12010522)	0.00040 (12010522)	0.00039 (13021205)
3621952.2	0.00034 (12010522)	0.00037 (12010522)	0.00039 (12010522)	0.00040 (12010522)	0.00037 (11111324)
3621752.2	0.00049 (08021103)	0.00037 (12010522)	0.00037 (08110704)	0.00036 (08110704)	0.00042 (11011723)
3621552.2	0.00040 (08110722)	0.00035 (08110704)	0.00034 (11111324)	0.00037 (11111324)	0.00038 (11011723)
3621352.2	0.00054 (10010302)	0.00034 (11111324)	0.00035 (11011723)	0.00035 (11011723)	0.00039 (12010602)
3621152.2	0.00041 (10011604)	0.00039 (10011122)	0.00044 (12122504)	0.00035 (09121602)	0.00037 (12010602)
3620952.2	0.00061 (11011901)	0.00058 (08110722)	0.00047 (09011524)	0.00044 (11112818)	0.00054 (11112818)
3620752.2	0.00093 (11112818)	0.00089 (11122922)	0.00080 (11122922)	0.00061 (09030102)	0.00058 (09030102)
3620552.2	0.00081 (08111524)	0.00071 (08112205)	0.00082 (12013007)	0.00064 (09012404)	0.00064 (09012404)
3620352.2	0.00085 (10092523)	0.00075 (08111524)	0.00082 (09122919)	0.00119 (12113002)	0.00077 (09011919)

\*\*MODELOPTs: NonDEFAULT CONC FLAT and ELEV

\*\*\* THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL \*\*\*  
 INCLUDING SOURCE(S): L0000877 , L0000878 , L0000879 , L0000880 , L0000881 ,  
 L0000882 , L0000883 , L0000884 , L0000885 , L0000886 , L0000887 , L0000888 , L0000889 ,  
 L0000890 , L0000891 , L0000892 , L0000893 , L0000894 , L0000895 , L0000896 , L0000897 ,  
 L0000898 , L0000899 , L0000900 , L0000901 , L0000902 , L0000903 , L0000904 , . . .

\*\*\* NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART \*\*\*

\*\* CONC OF PM<sub>10</sub> IN MICROGRAMS/M<sup>3</sup> \*\*

Y-COORD (METERS)	485616.60	485816.60	X-COORD (METERS) 486016.60	486216.60	486416.60
3620152.2	0.00100 (10121307)	0.00086 (10092523)	0.00090 (10092523)	0.00126 (12113002)	0.00101 (12013007)
3619952.2	0.00117 (10122704)	0.00103 (08021202)	0.00089 (08021202)	0.00124 (12091501)	0.00090 (08111524)
3619752.2	0.00099 (10122704)	0.00117 (10122704)	0.00111 (08021202)	0.00135 (12113002)	0.00103 (09121602)
3619552.2	0.00104 (08112206)	0.00103 (09121602)	0.00117 (10122704)	0.00128 (08021202)	0.00111 (09010408)
3619352.2	0.00117 (11012202)	0.00129 (11012202)	0.00145 (11012202)	0.00152 (11012202)	0.00172 (11012202)
3619152.2	0.00133 (11012202)	0.00126 (11112304)	0.00133 (11112304)	0.00121 (11112304)	0.00119 (10122704)
3618952.2	0.00098 (11012506)	0.00106 (11012506)	0.00121 (11012506)	0.00135 (13011823)	0.00120 (12030504)
3618752.2	0.00102 (11012506)	0.00099 (12030504)	0.00109 (12030504)	0.00144 (13011823)	0.00105 (08112206)
3618552.2	0.00090 (12030504)	0.00084 (10122304)	0.00090 (12010403)	0.00132 (13011823)	0.00092 (12012601)
3618352.2	0.00071 (10122304)	0.00077 (10011023)	0.00083 (08041304)	0.00109 (13011823)	0.00082 (12012601)

\*\*MODELOPTs: NonDEFAULT CONC FLAT and ELEV

\*\*\* THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL \*\*\*  
 INCLUDING SOURCE(S): L0000877 , L0000878 , L0000879 , L0000880 , L0000881 ,  
 L0000882 , L0000883 , L0000884 , L0000885 , L0000886 , L0000887 , L0000888 , L0000889 ,  
 L0000890 , L0000891 , L0000892 , L0000893 , L0000894 , L0000895 , L0000896 , L0000897 ,  
 L0000898 , L0000899 , L0000900 , L0000901 , L0000902 , L0000903 , L0000904 , . . .

\*\*\* NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART \*\*\*

\*\* CONC OF PM\_10 IN MICROGRAMS/M\*\*3 \*\*

Y-COORD (METERS)	486616.60	486816.60	487016.60	487216.60	487416.60
3628152.2	0.00094 (10010302)	0.00085 (08123020)	0.00108 (10110601)	0.00113 (10110601)	0.00067 (09122018)
3627952.2	0.00109 (11120504)	0.00083 (08123020)	0.00095 (08021103)	0.00133 (10110601)	0.00074 (10110601)
3627752.2	0.00106 (11120504)	0.00108 (11120504)	0.00087 (08122706)	0.00137 (10110601)	0.00088 (10110601)
3627552.2	0.00090 (11120504)	0.00131 (11120504)	0.00094 (08123020)	0.00128 (10110601)	0.00118 (10110601)
3627352.2	0.00086 (09012002)	0.00127 (11120504)	0.00145 (11120504)	0.00110 (08021103)	0.00146 (10110601)
3627152.2	0.00085 (12122804)	0.00111 (11120504)	0.00172 (11120504)	0.00120 (08123020)	0.00177 (10110601)
3626952.2	0.00084 (09012002)	0.00107 (09012002)	0.00153 (11120504)	0.00197 (11120504)	0.00193 (10110601)
3626752.2	0.00073 (09012002)	0.00101 (09012002)	0.00132 (11120504)	0.00197 (11120504)	0.00169 (08021103)
3626552.2	0.00067 (09121602)	0.00091 (09012002)	0.00115 (09012002)	0.00169 (11120504)	0.00216 (11120504)
3626352.2	0.00062 (12010721)	0.00075 (09012002)	0.00108 (09012002)	0.00146 (11120504)	0.00216 (11120504)
3626152.2	0.00061 (12121706)	0.00070 (12010721)	0.00094 (09012002)	0.00126 (09012002)	0.00183 (11120504)
3625952.2	0.00071 (11012202)	0.00074 (11012202)	0.00089 (10010419)	0.00123 (09012002)	0.00188 (09011524)
3625752.2	0.00125 (11012202)	0.00142 (09011524)	0.00119 (12030504)	0.00096 (09012002)	0.00131 (09012002)
3625552.2	0.00109 (10122705)	0.00098 (11112818)	0.00085 (08042704)	0.00080 (12111324)	0.00116 (09012002)
3625352.2	0.00060 (11012506)	0.00060 (11011901)	0.00063 (08062206)	0.00075 (12010721)	0.00088 (13011306)
3625152.2	0.00060 (13040921)	0.00052 (12010601)	0.00077 (11011901)	0.00066 (11011901)	0.00081 (10011604)
3624952.2	0.00045 (12121706)	0.00045 (12121706)	0.00054 (12010601)	0.00065 (12010601)	0.00081 (11011901)
3624752.2	0.00042 (12121706)	0.00049 (12121706)	0.00050 (12111624)	0.00061 (12111624)	0.00074 (11042404)
3624552.2	0.00043 (12021505)	0.00047 (10102807)	0.00051 (12121706)	0.00058 (08121908)	0.00060 (12111624)
3624352.2	0.00048 (12111624)	0.00043 (12120302)	0.00044 (12010601)	0.00054 (10102807)	0.00058 (11033123)
3624152.2	0.00051 (12020701)	0.00043 (12111624)	0.00047 (12021505)	0.00049 (12020702)	0.00050 (12020702)
3623952.2	0.00054 (08121908)	0.00047 (12020701)	0.00050 (12111624)	0.00044 (12020702)	0.00051 (12010924)
3623752.2	0.00053 (11033123)	0.00050 (08121908)	0.00046 (08121908)	0.00045 (09121602)	0.00048 (09121602)
3623552.2	0.00051 (12010521)	0.00054 (11033123)	0.00051 (12083003)	0.00050 (08121908)	0.00049 (11012202)
3623352.2	0.00059 (10102807)	0.00046 (12010521)	0.00047 (12010521)	0.00052 (11033123)	0.00048 (11012202)
3623152.2	0.00056 (12120302)	0.00056 (10102807)	0.00051 (10102807)	0.00049 (12010521)	0.00046 (12010522)
3622952.2	0.00050 (12120302)	0.00055 (12120302)	0.00046 (12120302)	0.00052 (10102807)	0.00048 (12010522)
3622752.2	0.00039 (12120302)	0.00043 (12052902)	0.00043 (12052902)	0.00048 (12120302)	0.00048 (12010522)
3622552.2	0.00045 (12020702)	0.00044 (12020702)	0.00044 (12010522)	0.00045 (12010105)	0.00044 (11111324)
3622352.2	0.00040 (12010522)	0.00045 (10013108)	0.00046 (10013108)	0.00051 (12020702)	0.00043 (12020702)
3622152.2	0.00043 (12010602)	0.00042 (12010301)	0.00046 (12010301)	0.00050 (12010301)	0.00048 (10013108)
3621952.2	0.00041 (11011723)	0.00038 (11011723)	0.00040 (13021205)	0.00043 (13021205)	0.00047 (13021205)
3621752.2	0.00045 (12010301)	0.00038 (12010924)	0.00039 (12010602)	0.00040 (12010924)	0.00043 (12010924)
3621552.2	0.00048 (12010602)	0.00039 (12010602)	0.00039 (12010403)	0.00040 (12010403)	0.00047 (08031202)
3621352.2	0.00049 (10010419)	0.00038 (12010602)	0.00040 (12010403)	0.00041 (12010403)	0.00050 (08031202)
3621152.2	0.00052 (09011524)	0.00041 (09011524)	0.00038 (12010403)	0.00052 (10021707)	0.00047 (08031202)
3620952.2	0.00065 (10021707)	0.00060 (10021707)	0.00059 (11020706)	0.00057 (11020706)	0.00043 (13022624)
3620752.2	0.00069 (10110604)	0.00058 (12010301)	0.00056 (13021205)	0.00051 (09030102)	0.00053 (09030102)
3620552.2	0.00073 (11121122)	0.00060 (13021205)	0.00057 (13122106)	0.00046 (13122106)	0.00042 (12010403)
3620352.2	0.00078 (11012820)	0.00058 (08011401)	0.00053 (10021704)	0.00046 (10021704)	0.00051 (10021704)

\*\*MODELOPTs: NonDEFAULT CONC FLAT and ELEV

\*\*\* THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL \*\*\*  
 INCLUDING SOURCE(S): L0000877 , L0000878 , L0000879 , L0000880 , L0000881 ,  
 L0000882 , L0000883 , L0000884 , L0000885 , L0000886 , L0000887 , L0000888 , L0000889 ,  
 L0000890 , L0000891 , L0000892 , L0000893 , L0000894 , L0000895 , L0000896 , L0000897 ,  
 L0000898 , L0000899 , L0000900 , L0000901 , L0000902 , L0000903 , L0000904 , . . .

\*\*\* NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART \*\*\*

\*\* CONC OF PM<sub>10</sub> IN MICROGRAMS/M<sup>3</sup> \*\*

Y-COORD (METERS)	486616.60	486816.60	487016.60	487216.60	487416.60
3620152.2	0.00067 (13012308)	0.00057 (13012308)	0.00059 (13012308)	0.00056 (13012308)	0.00057 (08011401)
3619952.2	0.00082 (12030423)	0.00066 (12030423)	0.00061 (12030423)	0.00073 (12030423)	0.00079 (12030423)
3619752.2	0.00095 (08122905)	0.00085 (08122905)	0.00094 (08122905)	0.00110 (10012502)	0.00123 (10012502)
3619552.2	0.00126 (09010408)	0.00129 (12111603)	0.00146 (11120201)	0.00159 (09020106)	0.00179 (11012202)
3619352.2	0.00186 (11012202)	0.00192 (11112304)	0.00184 (11112304)	0.00176 (11012506)	0.00172 (11012506)
3619152.2	0.00138 (11012506)	0.00150 (11012506)	0.00136 (12030504)	0.00116 (12030504)	0.00110 (10122304)
3618952.2	0.00114 (12030504)	0.00120 (08021202)	0.00116 (08021202)	0.00095 (08021202)	0.00088 (12013007)
3618752.2	0.00092 (10122704)	0.00116 (10122704)	0.00115 (08021202)	0.00113 (08021202)	0.00097 (08021202)
3618552.2	0.00093 (08112206)	0.00087 (10122704)	0.00108 (10122704)	0.00112 (10122704)	0.00110 (08021202)
3618352.2	0.00092 (08112206)	0.00098 (08112206)	0.00086 (08112206)	0.00099 (10122704)	0.00109 (10122704)

\*\*MODELOPTs: NonDEFAULT CONC FLAT and ELEV

\*\*\* THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL \*\*\*  
 INCLUDING SOURCE(S): L0000877 , L0000878 , L0000879 , L0000880 , L0000881 ,  
 L0000882 , L0000883 , L0000884 , L0000885 , L0000886 , L0000887 , L0000888 , L0000889 ,  
 L0000890 , L0000891 , L0000892 , L0000893 , L0000894 , L0000895 , L0000896 , L0000897 ,  
 L0000898 , L0000899 , L0000900 , L0000901 , L0000902 , L0000903 , L0000904 , . . .

\*\*\* NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART \*\*\*

\*\* CONC OF PM\_10 IN MICROGRAMS/M\*\*3 \*\*

Y-COORD (METERS)	487616.60	487816.60	488016.60	488216.60	488416.60
3628152.2	0.00059 (10021624)	0.00066 (12122504)	0.00078 (12122504)	0.00067 (12020924)	0.00066 (12020924)
3627952.2	0.00065 (10021624)	0.00063 (12122504)	0.00081 (12122504)	0.00070 (12020924)	0.00066 (12020924)
3627752.2	0.00066 (10021624)	0.00070 (12122504)	0.00073 (12122504)	0.00075 (12020924)	0.00063 (12091501)
3627552.2	0.00077 (12011206)	0.00079 (12122504)	0.00088 (12122504)	0.00079 (12020924)	0.00075 (12020924)
3627352.2	0.00086 (12011206)	0.00081 (12122504)	0.00094 (12122504)	0.00082 (12020924)	0.00077 (12020924)
3627152.2	0.00094 (09122018)	0.00083 (12122504)	0.00097 (12122504)	0.00086 (12020924)	0.00078 (12020924)
3626952.2	0.00118 (10110601)	0.00090 (10021624)	0.00100 (12122504)	0.00088 (12020924)	0.00080 (12020924)
3626752.2	0.00156 (10110601)	0.00099 (10021624)	0.00102 (12122504)	0.00090 (12122504)	0.00082 (12020924)
3626552.2	0.00203 (10110601)	0.00107 (10021624)	0.00106 (12122504)	0.00095 (12122504)	0.00096 (10010419)
3626352.2	0.00238 (10110601)	0.00122 (12011206)	0.00110 (12122504)	0.00114 (09011904)	0.00162 (09011524)
3626152.2	0.00247 (11120504)	0.00149 (10110601)	0.00169 (09011524)	0.00124 (13120220)	0.00072 (12020924)
3625952.2	0.00217 (11120504)	0.00220 (10110601)	0.00110 (12122504)	0.00099 (12122504)	0.00072 (12020924)
3625752.2	0.00188 (11120504)	0.00285 (10110601)	0.00123 (10021624)	0.00104 (12122504)	0.00082 (12020924)
3625552.2	0.00157 (11120504)	0.00216 (11120504)	0.00138 (10021624)	0.00114 (12122504)	0.00076 (10111524)
3625352.2	0.00120 (12012105)	0.00175 (11120504)	0.00199 (11010720)	0.00117 (12122504)	0.00081 (10111524)
3625152.2	0.00102 (12111524)	0.00154 (11120504)	0.00294 (10110601)	0.00129 (12122504)	0.00085 (10111524)
3624952.2	0.00099 (10011604)	0.00128 (12012105)	0.00200 (10110601)	0.00134 (10110405)	0.00092 (10111524)
3624752.2	0.00099 (10011604)	0.00119 (12111524)	0.00180 (10010302)	0.00167 (09012106)	0.00098 (10111524)
3624552.2	0.00089 (11011901)	0.00123 (10011604)	0.00149 (12012105)	0.00202 (10110601)	0.00113 (10111524)
3624352.2	0.00074 (12111624)	0.00104 (11011901)	0.00140 (10011604)	0.00221 (10110601)	0.00128 (10111524)
3624152.2	0.00065 (11033123)	0.00081 (12111624)	0.00132 (11011901)	0.00197 (12012105)	0.00146 (09121906)
3623952.2	0.00056 (12020702)	0.00066 (11033123)	0.00094 (12010601)	0.00175 (10011604)	0.00219 (11011805)
3623752.2	0.00053 (13012022)	0.00060 (12010301)	0.00074 (10010322)	0.00125 (13011823)	0.00285 (11123006)
3623552.2	0.00051 (09010408)	0.00057 (08041304)	0.00073 (10010322)	0.00111 (13011823)	0.00250 (13122407)
3623352.2	0.00050 (11112304)	0.00057 (13011922)	0.00071 (10010322)	0.00099 (13011823)	0.00191 (13122407)
3623152.2	0.00050 (12010524)	0.00058 (12010523)	0.00067 (10010322)	0.00089 (13011823)	0.00156 (10010924)
3622952.2	0.00049 (12010522)	0.00058 (12010523)	0.00066 (10010322)	0.00084 (13100622)	0.00134 (10010924)
3622752.2	0.00050 (08041304)	0.00057 (12010523)	0.00062 (10010322)	0.00080 (13100622)	0.00125 (13011823)
3622552.2	0.00047 (08041304)	0.00054 (12010523)	0.00061 (10010322)	0.00076 (13100622)	0.00111 (13011823)
3622352.2	0.00047 (08041304)	0.00053 (10010322)	0.00060 (10010322)	0.00072 (13100622)	0.00105 (13011823)
3622152.2	0.00046 (08041304)	0.00052 (10010322)	0.00057 (10010322)	0.00067 (13100622)	0.00097 (13011823)
3621952.2	0.00046 (10011023)	0.00051 (10010322)	0.00056 (10010322)	0.00065 (13100622)	0.00090 (13011823)
3621752.2	0.00045 (10011023)	0.00052 (10010322)	0.00055 (10010322)	0.00063 (13100622)	0.00084 (13011823)
3621552.2	0.00046 (13022624)	0.00050 (10010322)	0.00056 (10010322)	0.00062 (13100622)	0.00078 (13011823)
3621352.2	0.00045 (12010523)	0.00050 (10010322)	0.00055 (10010322)	0.00060 (13100622)	0.00073 (13011823)
3621152.2	0.00045 (12010523)	0.00049 (10010322)	0.00054 (10010322)	0.00058 (13100622)	0.00070 (13011823)
3620952.2	0.00046 (12010523)	0.00049 (10010322)	0.00054 (10010322)	0.00056 (13100622)	0.00066 (13011823)
3620752.2	0.00047 (12010523)	0.00050 (10010322)	0.00055 (10010322)	0.00055 (13100622)	0.00065 (13100622)
3620552.2	0.00053 (13122106)	0.00052 (10010322)	0.00055 (10010322)	0.00054 (13100622)	0.00062 (13100622)
3620352.2	0.00054 (10021704)	0.00052 (10010322)	0.00052 (10010322)	0.00062 (12010924)	0.00062 (13100622)



\*\*MODELOPTs: NonDEFAULT CONC FLAT and ELEV

\*\*\* THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL \*\*\*  
 INCLUDING SOURCE(S): L0000877 , L0000878 , L0000879 , L0000880 , L0000881 ,  
 L0000882 , L0000883 , L0000884 , L0000885 , L0000886 , L0000887 , L0000888 , L0000889 ,  
 L0000890 , L0000891 , L0000892 , L0000893 , L0000894 , L0000895 , L0000896 , L0000897 ,  
 L0000898 , L0000899 , L0000900 , L0000901 , L0000902 , L0000903 , L0000904 , . . .

\*\*\* NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART \*\*\*

\*\* CONC OF PM<sub>10</sub> IN MICROGRAMS/M<sup>3</sup> \*\*

Y-COORD (METERS)	487616.60	487816.60	488016.60	488216.60	488416.60
3620152.2	0.00062 (13030203)	0.00052 (10010322)	0.00053 (10010322)	0.00056 (13020108)	0.00084 (08120606)
3619952.2	0.00077 (12030423)	0.00066 (11111103)	0.00071 (11111103)	0.00079 (08122905)	0.00123 (09121602)
3619752.2	0.00098 (09010408)	0.00122 (12111603)	0.00145 (11120201)	0.00189 (09020106)	0.00229 (11112304)
3619552.2	0.00205 (11112304)	0.00204 (11112304)	0.00168 (08010304)	0.00132 (12030504)	0.00106 (10122304)
3619352.2	0.00141 (12030504)	0.00110 (12030504)	0.00105 (12010524)	0.00083 (12010524)	0.00080 (13100622)
3619152.2	0.00102 (12013007)	0.00101 (12013007)	0.00092 (12013007)	0.00078 (12021005)	0.00075 (13100622)
3618952.2	0.00090 (12013007)	0.00094 (12013007)	0.00097 (12013007)	0.00092 (12013007)	0.00078 (09011806)
3618752.2	0.00081 (12013007)	0.00085 (12013007)	0.00090 (12013007)	0.00092 (12013007)	0.00086 (12013007)
3618552.2	0.00096 (08021202)	0.00079 (08021202)	0.00081 (12013007)	0.00089 (12013007)	0.00087 (12013007)
3618352.2	0.00109 (08021202)	0.00099 (08021202)	0.00078 (08021202)	0.00077 (12013007)	0.00082 (12013007)

\*\*MODELOPTs: NonDEFAULT CONC FLAT and ELEV

\*\*\* THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL \*\*\*  
 INCLUDING SOURCE(S): L0000877 , L0000878 , L0000879 , L0000880 , L0000881 ,  
 L0000882 , L0000883 , L0000884 , L0000885 , L0000886 , L0000887 , L0000888 , L0000889 ,  
 L0000890 , L0000891 , L0000892 , L0000893 , L0000894 , L0000895 , L0000896 , L0000897 ,  
 L0000898 , L0000899 , L0000900 , L0000901 , L0000902 , L0000903 , L0000904 , . . .

\*\*\* NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART \*\*\*

\*\* CONC OF PM\_10 IN MICROGRAMS/M\*\*3 \*\*

Y-COORD (METERS)	488616.60	488816.60	X-COORD (METERS) 489016.60	489216.60	489416.60
3628152.2	0.00054 (12091501)	0.00048 (11111105)	0.00041 (11111105)	0.00060 (12122504)	0.00083 (12122504)
3627952.2	0.00055 (12091501)	0.00047 (11111105)	0.00055 (09012403)	0.00059 (12122504)	0.00087 (12122504)
3627752.2	0.00063 (12091501)	0.00058 (11111105)	0.00053 (11111105)	0.00058 (12122504)	0.00088 (12122504)
3627552.2	0.00069 (12091501)	0.00061 (11111105)	0.00054 (12122504)	0.00059 (12122504)	0.00087 (12122504)
3627352.2	0.00069 (12091501)	0.00062 (11111105)	0.00056 (12122504)	0.00059 (09012403)	0.00087 (12122504)
3627152.2	0.00070 (12091501)	0.00067 (12012924)	0.00057 (12122504)	0.00063 (09012403)	0.00087 (12122504)
3626952.2	0.00070 (12091501)	0.00065 (11111105)	0.00070 (10010419)	0.00090 (10010419)	0.00110 (10010419)
3626752.2	0.00087 (09121602)	0.00103 (09121602)	0.00123 (10010419)	0.00136 (09121602)	0.00149 (09121602)
3626552.2	0.00112 (09011904)	0.00108 (09011904)	0.00098 (09011524)	0.00079 (09020106)	0.00082 (10021624)
3626352.2	0.00070 (13110724)	0.00048 (11111105)	0.00039 (11101307)	0.00042 (08021103)	0.00071 (09092506)
3626152.2	0.00060 (10110601)	0.00051 (11101307)	0.00040 (11101307)	0.00044 (11121122)	0.00086 (10021624)
3625952.2	0.00066 (11111105)	0.00056 (11101307)	0.00044 (11121122)	0.00045 (11121122)	0.00071 (09012106)
3625752.2	0.00063 (11111105)	0.00051 (11101307)	0.00047 (11121122)	0.00045 (11012820)	0.00044 (08021103)
3625552.2	0.00064 (11111105)	0.00046 (08112207)	0.00044 (11012820)	0.00047 (11012820)	0.00049 (10111524)
3625352.2	0.00063 (11111105)	0.00048 (11121122)	0.00047 (11012820)	0.00039 (10111522)	0.00046 (08021103)
3625152.2	0.00060 (09011919)	0.00049 (11121122)	0.00048 (11012820)	0.00043 (10111522)	0.00050 (08021103)
3624952.2	0.00062 (09011919)	0.00051 (11012820)	0.00044 (10111522)	0.00040 (10111522)	0.00045 (08021103)
3624752.2	0.00066 (09011919)	0.00046 (11012820)	0.00041 (10111522)	0.00039 (09011401)	0.00047 (09011401)
3624552.2	0.00075 (09011919)	0.00049 (11012820)	0.00038 (09011401)	0.00041 (09011401)	0.00045 (09011401)
3624352.2	0.00072 (13011905)	0.00056 (12032007)	0.00051 (09011401)	0.00049 (09011401)	0.00042 (10111504)
3624152.2	0.00079 (11012820)	0.00064 (08121107)	0.00051 (09122605)	0.00050 (09011806)	0.00046 (10092523)
3623952.2	0.00099 (10032205)	0.00069 (08123103)	0.00057 (08112206)	0.00048 (09122605)	0.00052 (13021206)
3623752.2	0.00128 (09121906)	0.00073 (10021705)	0.00063 (08123103)	0.00056 (12012706)	0.00055 (12032007)
3623552.2	0.00146 (09121906)	0.00089 (10032205)	0.00065 (08123103)	0.00061 (08121107)	0.00055 (08112206)
3623352.2	0.00206 (11011805)	0.00114 (09121906)	0.00076 (10021705)	0.00065 (08123103)	0.00058 (08121107)
3623152.2	0.00258 (10040802)	0.00139 (10010302)	0.00087 (10032205)	0.00062 (12012601)	0.00062 (08123103)
3622952.2	0.00215 (11123006)	0.00185 (09121906)	0.00103 (09121906)	0.00074 (10021705)	0.00059 (08123103)
3622752.2	0.00180 (13122407)	0.00211 (11011805)	0.00144 (08121906)	0.00079 (10032205)	0.00065 (10111524)
3622552.2	0.00169 (13122407)	0.00184 (10040802)	0.00171 (09121906)	0.00111 (10011122)	0.00087 (10010302)
3622352.2	0.00149 (13122407)	0.00162 (11123006)	0.00156 (11011805)	0.00174 (09121906)	0.00090 (12012601)
3622152.2	0.00129 (10010924)	0.00135 (11123006)	0.00166 (11011805)	0.00158 (09121906)	0.00113 (10032205)
3621952.2	0.00117 (10010924)	0.00118 (13122407)	0.00144 (10040802)	0.00135 (12111624)	0.00181 (10032205)
3621752.2	0.00103 (10010924)	0.00121 (13122407)	0.00136 (11123006)	0.00140 (11011805)	0.00193 (09121906)
3621552.2	0.00093 (10010924)	0.00116 (13122407)	0.00124 (11123006)	0.00140 (11011805)	0.00141 (12111503)
3621352.2	0.00093 (13011823)	0.00110 (13122407)	0.00104 (11123006)	0.00125 (10040802)	0.00125 (11011805)
3621152.2	0.00091 (13011823)	0.00102 (13122407)	0.00086 (13122407)	0.00119 (11123006)	0.00137 (11011805)
3620952.2	0.00088 (13011823)	0.00095 (13122407)	0.00092 (13122407)	0.00121 (11123006)	0.00135 (11011805)
3620752.2	0.00085 (13011823)	0.00092 (10010924)	0.00097 (13122407)	0.00117 (11123006)	0.00122 (10040802)
3620552.2	0.00082 (13011823)	0.00092 (10010924)	0.00103 (13122407)	0.00107 (11123006)	0.00112 (11123006)
3620352.2	0.00079 (13011823)	0.00088 (10010924)	0.00106 (13122407)	0.00088 (11123006)	0.00114 (11123006)

\*\*MODELOPTs: NonDEFAULT CONC FLAT and ELEV

\*\*\* THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL \*\*\*  
 INCLUDING SOURCE(S): L0000877 , L0000878 , L0000879 , L0000880 , L0000881 ,  
 L0000882 , L0000883 , L0000884 , L0000885 , L0000886 , L0000887 , L0000888 , L0000889 ,  
 L0000890 , L0000891 , L0000892 , L0000893 , L0000894 , L0000895 , L0000896 , L0000897 ,  
 L0000898 , L0000899 , L0000900 , L0000901 , L0000902 , L0000903 , L0000904 , . . .

\*\*\* NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART \*\*\*

\*\* CONC OF PM\_10 IN MICROGRAMS/M\*\*3 \*\*

Y-COORD (METERS)	488616.60	488816.60	489016.60	489216.60	489416.60
3620152.2	0.00077 (13011823)	0.00086 (10010924)	0.00106 (13122407)	0.00104 (10010419)	0.00122 (09011524)
3619952.2	0.00132 (09121602)	0.00149 (09121602)	0.00172 (09011524)	0.00185 (10021707)	0.00179 (11020706)
3619752.2	0.00158 (11012506)	0.00119 (12030504)	0.00123 (10010924)	0.00103 (13122407)	0.00100 (11123006)
3619552.2	0.00092 (13011823)	0.00098 (13011823)	0.00101 (10010924)	0.00103 (13122407)	0.00088 (10010322)
3619352.2	0.00086 (13011823)	0.00096 (13011823)	0.00096 (10010924)	0.00106 (13122407)	0.00089 (13122407)
3619152.2	0.00080 (13011823)	0.00093 (13011823)	0.00092 (08041304)	0.00106 (13122407)	0.00092 (13122407)
3618952.2	0.00078 (12010403)	0.00091 (13011823)	0.00091 (08041304)	0.00101 (13122407)	0.00094 (13122407)
3618752.2	0.00078 (12013007)	0.00085 (13011823)	0.00085 (13011922)	0.00095 (13122407)	0.00101 (13122407)
3618552.2	0.00082 (12013007)	0.00086 (08041304)	0.00087 (13011922)	0.00095 (10010924)	0.00097 (13122407)
3618352.2	0.00080 (12013007)	0.00086 (12013007)	0.00085 (12013007)	0.00091 (10010924)	0.00098 (13122407)

\*\*MODELOPTs: NonDEFAULT CONC FLAT and ELEV

\*\*\* THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL \*\*\*  
 INCLUDING SOURCE(S): L0000877 , L0000878 , L0000879 , L0000880 , L0000881 ,  
 L0000882 , L0000883 , L0000884 , L0000885 , L0000886 , L0000887 , L0000888 , L0000889 ,  
 L0000890 , L0000891 , L0000892 , L0000893 , L0000894 , L0000895 , L0000896 , L0000897 ,  
 L0000898 , L0000899 , L0000900 , L0000901 , L0000902 , L0000903 , L0000904 , . . .

\*\*\* NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART \*\*\*

\*\* CONC OF PM\_10 IN MICROGRAMS/M\*\*3 \*\*

Y-COORD (METERS)	489616.60	489816.60	490016.60	490216.60	490416.60
3628152.2	0.00056 (12122504)	0.00064 (12020924)	0.00060 (12091501)	0.00074 (11111105)	0.00071 (11111105)
3627952.2	0.00082 (12122504)	0.00075 (12020924)	0.00074 (12091501)	0.00076 (11111105)	0.00072 (11111105)
3627752.2	0.00085 (12122504)	0.00078 (12020924)	0.00077 (12091501)	0.00080 (11111105)	0.00072 (11111105)
3627552.2	0.00091 (12122504)	0.00088 (12020924)	0.00088 (12091501)	0.00083 (11111105)	0.00074 (10010419)
3627352.2	0.00094 (12122504)	0.00093 (12020924)	0.00091 (12091501)	0.00089 (10010419)	0.00089 (10010419)
3627152.2	0.00096 (12122504)	0.00096 (12020924)	0.00097 (10010419)	0.00086 (11111105)	0.00114 (09011524)
3626952.2	0.00100 (12122504)	0.00112 (09011524)	0.00142 (09011524)	0.00154 (09011524)	0.00137 (09011524)
3626752.2	0.00151 (09011524)	0.00134 (09011524)	0.00120 (09121602)	0.00112 (09121903)	0.00115 (09121903)
3626552.2	0.00095 (12122504)	0.00089 (12020924)	0.00081 (12091501)	0.00076 (11111105)	0.00062 (11101307)
3626352.2	0.00092 (12122504)	0.00085 (12020924)	0.00057 (11111105)	0.00055 (11101307)	0.00037 (11101307)
3626152.2	0.00078 (12122504)	0.00086 (12020924)	0.00066 (11111105)	0.00055 (11101307)	0.00041 (11101307)
3625952.2	0.00072 (12122504)	0.00097 (12020924)	0.00070 (11111105)	0.00053 (11101307)	0.00038 (13121804)
3625752.2	0.00071 (12122504)	0.00103 (12020924)	0.00070 (11111105)	0.00052 (11101307)	0.00037 (12010420)
3625552.2	0.00079 (13030405)	0.00110 (12020924)	0.00072 (11111105)	0.00048 (11101307)	0.00044 (12020320)
3625352.2	0.00062 (13030405)	0.00119 (12020924)	0.00068 (11111105)	0.00044 (11111503)	0.00040 (10011903)
3625152.2	0.00059 (09092506)	0.00132 (12020924)	0.00067 (11111105)	0.00043 (10011903)	0.00043 (10011903)
3624952.2	0.00056 (09092506)	0.00136 (12020924)	0.00066 (11101307)	0.00048 (10011903)	0.00044 (10011903)
3624752.2	0.00055 (09012403)	0.00136 (12020924)	0.00065 (11101307)	0.00044 (10011903)	0.00042 (10011903)
3624552.2	0.00056 (09012403)	0.00129 (12020924)	0.00060 (11101307)	0.00050 (10010419)	0.00044 (09011524)
3624352.2	0.00056 (08021103)	0.00130 (12020924)	0.00055 (11101222)	0.00045 (10021707)	0.00044 (08123102)
3624152.2	0.00052 (10012404)	0.00122 (12020924)	0.00055 (11012406)	0.00053 (10021707)	0.00051 (10021707)
3623952.2	0.00052 (10092523)	0.00111 (13100622)	0.00058 (11123006)	0.00051 (10021707)	0.00047 (10021707)
3623752.2	0.00054 (09030102)	0.00125 (13100622)	0.00062 (12013007)	0.00055 (12021005)	0.00050 (12021005)
3623552.2	0.00055 (11010202)	0.00140 (13100622)	0.00062 (12013007)	0.00059 (12013007)	0.00052 (12013007)
3623352.2	0.00054 (08112206)	0.00122 (13100622)	0.00071 (13122407)	0.00058 (08021202)	0.00057 (12013007)
3623152.2	0.00057 (08041304)	0.00101 (13100622)	0.00075 (13122407)	0.00055 (10122704)	0.00056 (08021202)
3622952.2	0.00066 (11012820)	0.00098 (13100622)	0.00077 (13122407)	0.00051 (11123006)	0.00053 (10122704)
3622752.2	0.00067 (08041304)	0.00084 (13100622)	0.00076 (10010924)	0.00051 (11123006)	0.00045 (10122704)
3622552.2	0.00068 (13011922)	0.00073 (13100622)	0.00072 (10010924)	0.00049 (13122407)	0.00045 (08112206)
3622352.2	0.00069 (12012601)	0.00067 (13100622)	0.00066 (13011823)	0.00054 (12012601)	0.00047 (12013007)
3622152.2	0.00080 (12012601)	0.00062 (12012601)	0.00068 (09012403)	0.00055 (13122407)	0.00051 (12012601)
3621952.2	0.00093 (12012601)	0.00115 (08110722)	0.00063 (13011823)	0.00056 (13122407)	0.00052 (12012601)
3621752.2	0.00129 (10021705)	0.00088 (12012601)	0.00069 (12012601)	0.00057 (12012601)	0.00062 (08013008)
3621552.2	0.00191 (10032205)	0.00107 (10011604)	0.00080 (12012601)	0.00066 (08022624)	0.00064 (08013008)
3621352.2	0.00218 (09121906)	0.00157 (10021705)	0.00154 (10011604)	0.00101 (09012403)	0.00081 (12113002)
3621152.2	0.00155 (12111503)	0.00198 (10032205)	0.00131 (08123103)	0.00165 (10011122)	0.00107 (12113002)
3620952.2	0.00128 (11011805)	0.00191 (09121906)	0.00152 (10032205)	0.00143 (08123103)	0.00174 (12091501)
3620752.2	0.00124 (11011805)	0.00152 (12111503)	0.00169 (10032205)	0.00143 (10021705)	0.00216 (08123103)
3620552.2	0.00124 (11011805)	0.00133 (12111503)	0.00174 (09121906)	0.00143 (10032205)	0.00203 (10032205)
3620352.2	0.00128 (11011805)	0.00126 (11011805)	0.00148 (12111503)	0.00163 (10032205)	0.00229 (13122407)

\*\*MODELOPTs: NonDEFAULT CONC FLAT and ELEV

\*\*\* THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL \*\*\*  
 INCLUDING SOURCE(S): L0000877 , L0000878 , L0000879 , L0000880 , L0000881 ,  
 L0000882 , L0000883 , L0000884 , L0000885 , L0000886 , L0000887 , L0000888 , L0000889 ,  
 L0000890 , L0000891 , L0000892 , L0000893 , L0000894 , L0000895 , L0000896 , L0000897 ,  
 L0000898 , L0000899 , L0000900 , L0000901 , L0000902 , L0000903 , L0000904 , . . .

\*\*\* NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART \*\*\*

\*\* CONC OF PM<sub>10</sub> IN MICROGRAMS/M<sup>3</sup> \*\*

Y-COORD (METERS)	489616.60	489816.60	490016.60	490216.60	490416.60
3620152.2	0.00157 (09011524)	0.00169 (09011524)	0.00217 (10021707)	0.00238 (10021707)	0.00288 (11020706)
3619952.2	0.00146 (11020706)	0.00133 (11011805)	0.00129 (11121822)	0.00158 (09121906)	0.00227 (13011823)
3619752.2	0.00117 (11123006)	0.00123 (10040802)	0.00129 (11011805)	0.00138 (08022703)	0.00194 (13011823)
3619552.2	0.00116 (11123006)	0.00121 (10040802)	0.00131 (11011805)	0.00127 (08041304)	0.00164 (13011823)
3619352.2	0.00110 (11123006)	0.00117 (10040802)	0.00126 (11011805)	0.00122 (13011922)	0.00145 (13011823)
3619152.2	0.00106 (11123006)	0.00114 (11123006)	0.00119 (11011805)	0.00123 (11011805)	0.00130 (13011823)
3618952.2	0.00094 (11123006)	0.00111 (11123006)	0.00113 (10040802)	0.00119 (11011805)	0.00119 (13011823)
3618752.2	0.00086 (11123006)	0.00106 (11123006)	0.00106 (10040802)	0.00115 (11011805)	0.00117 (13100622)
3618552.2	0.00080 (13122407)	0.00098 (11123006)	0.00104 (11123006)	0.00110 (11011805)	0.00114 (11011805)
3618352.2	0.00083 (13122407)	0.00092 (11123006)	0.00099 (11123006)	0.00101 (10040802)	0.00109 (11011805)

\*\*MODELOPTs: NonDEFAULT CONC FLAT and ELEV

\*\*\* THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL \*\*\*  
 INCLUDING SOURCE(S): L0000877 , L0000878 , L0000879 , L0000880 , L0000881 ,  
 L0000882 , L0000883 , L0000884 , L0000885 , L0000886 , L0000887 , L0000888 , L0000889 ,  
 L0000890 , L0000891 , L0000892 , L0000893 , L0000894 , L0000895 , L0000896 , L0000897 ,  
 L0000898 , L0000899 , L0000900 , L0000901 , L0000902 , L0000903 , L0000904 , . . .

\*\*\* NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART \*\*\*

\*\* CONC OF PM\_10 IN MICROGRAMS/M\*\*3 \*\*

Y-COORD (METERS)	490616.60	490816.60	491016.60	491216.60	491416.60
3628152.2	0.00064 (11101307)	0.00062 (10012405)	0.00055 (10012405)	0.00051 (11111105)	0.00053 (11111105)
3627952.2	0.00065 (10012405)	0.00067 (10011903)	0.00066 (12012924)	0.00055 (10012404)	0.00054 (11111105)
3627752.2	0.00066 (10012405)	0.00070 (10010419)	0.00076 (10012404)	0.00060 (10010419)	0.00048 (09011919)
3627552.2	0.00079 (10010419)	0.00084 (10010419)	0.00085 (10010419)	0.00063 (09011904)	0.00039 (10012405)
3627352.2	0.00082 (10010419)	0.00087 (09011524)	0.00106 (09011524)	0.00077 (09011524)	0.00050 (09011919)
3627152.2	0.00135 (09011524)	0.00137 (09011524)	0.00125 (09011524)	0.00107 (09011524)	0.00100 (09011524)
3626952.2	0.00118 (09011524)	0.00111 (09011920)	0.00132 (10122705)	0.00137 (10021707)	0.00137 (11020706)
3626752.2	0.00109 (09121903)	0.00038 (12010420)	0.00031 (10012405)	0.00034 (10012405)	0.00039 (10012405)
3626552.2	0.00080 (11112818)	0.00045 (12113002)	0.00032 (10012405)	0.00044 (09011919)	0.00034 (10012405)
3626352.2	0.00056 (12091501)	0.00057 (10021707)	0.00034 (10012405)	0.00033 (10012405)	0.00032 (10012405)
3626152.2	0.00034 (12020320)	0.00055 (12091501)	0.00052 (11111105)	0.00034 (10012405)	0.00037 (10111504)
3625952.2	0.00033 (08042803)	0.00040 (10012405)	0.00054 (11111105)	0.00054 (11101307)	0.00034 (10011903)
3625752.2	0.00042 (12113002)	0.00051 (12113002)	0.00042 (09011919)	0.00038 (10011903)	0.00054 (11101307)
3625552.2	0.00040 (10012405)	0.00039 (10011903)	0.00053 (09011919)	0.00042 (10011903)	0.00036 (10011903)
3625352.2	0.00042 (10011903)	0.00038 (10011903)	0.00038 (10011903)	0.00037 (11012820)	0.00034 (10011903)
3625152.2	0.00042 (10011903)	0.00043 (09011919)	0.00040 (10011903)	0.00039 (10010419)	0.00035 (12122509)
3624952.2	0.00042 (10011903)	0.00039 (10012405)	0.00038 (12122509)	0.00040 (10010419)	0.00039 (09011524)
3624752.2	0.00039 (09011524)	0.00040 (09011524)	0.00036 (09011524)	0.00041 (09011524)	0.00038 (09011524)
3624552.2	0.00042 (09011524)	0.00041 (09011524)	0.00043 (09011524)	0.00042 (09011524)	0.00038 (10021707)
3624352.2	0.00045 (09011524)	0.00044 (10021707)	0.00042 (10021707)	0.00044 (10021707)	0.00041 (10021707)
3624152.2	0.00049 (10021707)	0.00048 (10021707)	0.00045 (11020706)	0.00044 (11020706)	0.00042 (11020706)
3623952.2	0.00044 (09121903)	0.00044 (09121903)	0.00043 (09121903)	0.00042 (09121903)	0.00042 (09121903)
3623752.2	0.00048 (09121903)	0.00046 (09121903)	0.00045 (09121903)	0.00044 (09121903)	0.00043 (09121903)
3623552.2	0.00050 (12021005)	0.00047 (12021005)	0.00043 (08010303)	0.00042 (10110502)	0.00041 (10110502)
3623352.2	0.00053 (12013007)	0.00049 (12013007)	0.00046 (12021005)	0.00044 (12021005)	0.00042 (10110502)
3623152.2	0.00055 (12013007)	0.00052 (12013007)	0.00049 (12013007)	0.00046 (12021005)	0.00044 (12021005)
3622952.2	0.00057 (08021202)	0.00052 (12013007)	0.00051 (12013007)	0.00049 (12013007)	0.00044 (12021005)
3622752.2	0.00051 (10122704)	0.00054 (08021202)	0.00046 (08021202)	0.00047 (12013007)	0.00048 (12013007)
3622552.2	0.00044 (10122704)	0.00050 (10122704)	0.00052 (08021202)	0.00049 (08021202)	0.00044 (12013007)
3622352.2	0.00044 (08112206)	0.00043 (10122704)	0.00047 (10122704)	0.00049 (10122704)	0.00047 (08021202)
3622152.2	0.00046 (12013007)	0.00044 (08112206)	0.00042 (10122704)	0.00044 (10111504)	0.00053 (10111504)
3621952.2	0.00048 (12012601)	0.00060 (11121122)	0.00042 (12013007)	0.00055 (10111504)	0.00050 (12012924)
3621752.2	0.00051 (12012601)	0.00047 (12012601)	0.00057 (10111504)	0.00075 (10111522)	0.00042 (10021707)
3621552.2	0.00053 (11122922)	0.00082 (11012820)	0.00080 (10111522)	0.00051 (11122922)	0.00049 (11122922)
3621352.2	0.00087 (08112207)	0.00087 (11012406)	0.00049 (12012601)	0.00047 (11122922)	0.00083 (12012924)
3621152.2	0.00090 (08112201)	0.00068 (10012404)	0.00052 (10110502)	0.00089 (10010419)	0.00090 (10010419)
3620952.2	0.00112 (12021005)	0.00077 (11121024)	0.00098 (10010419)	0.00106 (10010419)	0.00091 (09011524)
3620752.2	0.00133 (08021202)	0.00110 (10010419)	0.00124 (09011524)	0.00105 (09011524)	0.00074 (09011524)
3620552.2	0.00167 (12012601)	0.00164 (09011524)	0.00116 (09011524)	0.00088 (10122705)	0.00087 (11112818)
3620352.2	0.00184 (08123103)	0.00160 (11112818)	0.00143 (11112818)	0.00117 (08042704)	0.00097 (08042704)

\*\*MODELOPTs: NonDEFAULT CONC FLAT and ELEV

\*\*\* THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL \*\*\*  
 INCLUDING SOURCE(S): L0000877 , L0000878 , L0000879 , L0000880 , L0000881 ,  
 L0000882 , L0000883 , L0000884 , L0000885 , L0000886 , L0000887 , L0000888 , L0000889 ,  
 L0000890 , L0000891 , L0000892 , L0000893 , L0000894 , L0000895 , L0000896 , L0000897 ,  
 L0000898 , L0000899 , L0000900 , L0000901 , L0000902 , L0000903 , L0000904 , . . .

\*\*\* NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART \*\*\*

\*\* CONC OF PM<sub>10</sub> IN MICROGRAMS/M<sup>3</sup> \*\*

Y-COORD (METERS)	X-COORD (METERS)				
	490616.60	490816.60	491016.60	491216.60	491416.60
3620152.2	0.00189 (10021705)	0.00169 (08123103)	0.00128 (08112206)	0.00115 (08021202)	0.00083 (11122922)
3619952.2	0.00170 (09121906)	0.00146 (10021705)	0.00158 (12012601)	0.00107 (08112206)	0.00107 (08021202)
3619752.2	0.00170 (10032205)	0.00174 (10021705)	0.00155 (08123103)	0.00141 (12012601)	0.00096 (08112206)
3619552.2	0.00161 (09121906)	0.00168 (09121906)	0.00146 (10021705)	0.00145 (08123103)	0.00122 (12012601)
3619352.2	0.00150 (09121906)	0.00170 (10032205)	0.00160 (10021705)	0.00124 (08123103)	0.00135 (12012601)
3619152.2	0.00143 (13122407)	0.00157 (09121906)	0.00162 (10032205)	0.00125 (10021705)	0.00122 (08123103)
3618952.2	0.00136 (10010924)	0.00141 (09121906)	0.00157 (10032205)	0.00132 (10021705)	0.00100 (08123103)
3618752.2	0.00131 (10010924)	0.00126 (09121906)	0.00142 (09121906)	0.00139 (10032205)	0.00114 (10021705)
3618552.2	0.00110 (10010924)	0.00109 (09121906)	0.00135 (09121906)	0.00148 (10032205)	0.00131 (10021705)
3618352.2	0.00099 (11011805)	0.00102 (12111503)	0.00124 (09121906)	0.00142 (09121906)	0.00141 (10032205)

\*\*MODELOPTs: NonDEFAULT CONC FLAT and ELEV

\*\*\* THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL \*\*\*  
 INCLUDING SOURCE(S): L0000877 , L0000878 , L0000879 , L0000880 , L0000881 ,  
 L0000882 , L0000883 , L0000884 , L0000885 , L0000886 , L0000887 , L0000888 , L0000889 ,  
 L0000890 , L0000891 , L0000892 , L0000893 , L0000894 , L0000895 , L0000896 , L0000897 ,  
 L0000898 , L0000899 , L0000900 , L0000901 , L0000902 , L0000903 , L0000904 , . . .

\*\*\* NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART \*\*\*

\*\* CONC OF PM\_10 IN MICROGRAMS/M\*\*3 \*\*

Y-COORD (METERS)	491616.60	491816.60	492016.60	492216.60	492416.60
3628152.2	0.00044 (11101307)	0.00033 (10012405)	0.00035 (10012405)	0.00032 (10012405)	0.00029 (10012405)
3627952.2	0.00035 (10012405)	0.00034 (10012405)	0.00037 (10012405)	0.00032 (10012405)	0.00030 (10012405)
3627752.2	0.00039 (10012405)	0.00036 (10012405)	0.00042 (10012405)	0.00030 (10012405)	0.00044 (09011524)
3627552.2	0.00038 (10012405)	0.00038 (10012405)	0.00059 (09011524)	0.00041 (10010419)	0.00035 (10010419)
3627352.2	0.00043 (10012405)	0.00061 (09011524)	0.00088 (09011524)	0.00048 (09011524)	0.00026 (10011903)
3627152.2	0.00111 (10122705)	0.00105 (10021707)	0.00119 (10021707)	0.00122 (10021707)	0.00106 (10021707)
3626952.2	0.00108 (11020706)	0.00100 (09030102)	0.00087 (09030102)	0.00098 (09030102)	0.00097 (09030102)
3626752.2	0.00050 (12122509)	0.00028 (10011903)	0.00028 (10011903)	0.00029 (10011903)	0.00032 (10111522)
3626552.2	0.00029 (10012405)	0.00033 (10111522)	0.00034 (10111504)	0.00034 (10011903)	0.00034 (10011903)
3626352.2	0.00033 (12100306)	0.00032 (10111522)	0.00035 (10011903)	0.00025 (10011903)	0.00027 (12012924)
3626152.2	0.00037 (10111504)	0.00038 (10011903)	0.00038 (10011903)	0.00031 (12012924)	0.00030 (12012924)
3625952.2	0.00040 (10011903)	0.00036 (10011903)	0.00035 (10011903)	0.00033 (10011903)	0.00032 (10011903)
3625752.2	0.00045 (11111503)	0.00034 (10111522)	0.00031 (10011903)	0.00030 (10011903)	0.00035 (10010419)
3625552.2	0.00036 (12012924)	0.00032 (09011524)	0.00033 (10111522)	0.00029 (12122509)	0.00030 (09011524)
3625352.2	0.00033 (10010419)	0.00034 (10010419)	0.00036 (10010419)	0.00033 (09011524)	0.00030 (09011524)
3625152.2	0.00035 (10021707)	0.00034 (12122509)	0.00034 (10021707)	0.00035 (09011524)	0.00033 (12122509)
3624952.2	0.00037 (12122509)	0.00037 (12122509)	0.00037 (12122509)	0.00038 (09011524)	0.00036 (12122509)
3624752.2	0.00037 (10021707)	0.00036 (12122509)	0.00036 (10021707)	0.00036 (10021707)	0.00037 (10021707)
3624552.2	0.00039 (10021707)	0.00039 (10021707)	0.00038 (10021707)	0.00038 (10021707)	0.00035 (12122509)
3624352.2	0.00042 (10021707)	0.00039 (10021707)	0.00036 (11122922)	0.00039 (11020706)	0.00035 (12122509)
3624152.2	0.00041 (11020706)	0.00040 (11020706)	0.00037 (11020706)	0.00037 (11020706)	0.00037 (11020706)
3623952.2	0.00041 (09121903)	0.00040 (09121903)	0.00038 (09121903)	0.00038 (12122509)	0.00038 (12122509)
3623752.2	0.00041 (09121903)	0.00041 (09121903)	0.00040 (09121903)	0.00039 (09121903)	0.00038 (09121903)
3623552.2	0.00037 (10110502)	0.00037 (10110502)	0.00034 (10110502)	0.00033 (10110502)	0.00033 (10110502)
3623352.2	0.00038 (10110502)	0.00037 (10110502)	0.00035 (10110502)	0.00037 (10110502)	0.00037 (10110502)
3623152.2	0.00040 (12021005)	0.00038 (12021005)	0.00038 (10110502)	0.00040 (10110502)	0.00036 (10110502)
3622952.2	0.00040 (12021005)	0.00040 (12021005)	0.00038 (12021005)	0.00035 (12021005)	0.00040 (10111504)
3622752.2	0.00045 (12013007)	0.00040 (12021005)	0.00038 (12021005)	0.00047 (10011903)	0.00042 (10011903)
3622552.2	0.00044 (12013007)	0.00043 (12013007)	0.00046 (10011903)	0.00046 (10011903)	0.00037 (12021005)
3622352.2	0.00053 (10111522)	0.00042 (12013007)	0.00053 (10011903)	0.00042 (12013007)	0.00037 (12013007)
3622152.2	0.00048 (08021202)	0.00057 (13121804)	0.00052 (12012924)	0.00041 (12013007)	0.00041 (12013007)
3621952.2	0.00047 (10122704)	0.00066 (09011401)	0.00040 (10021707)	0.00044 (10021707)	0.00042 (10021707)
3621752.2	0.00072 (10111504)	0.00051 (10012404)	0.00057 (10012404)	0.00044 (11122922)	0.00043 (11122922)
3621552.2	0.00077 (12012924)	0.00056 (10012404)	0.00066 (10012404)	0.00044 (08021202)	0.00040 (08021202)
3621352.2	0.00082 (10010419)	0.00056 (10010419)	0.00056 (09011904)	0.00045 (09011904)	0.00043 (08021202)
3621152.2	0.00079 (09011904)	0.00081 (09011904)	0.00077 (09011524)	0.00068 (09011524)	0.00047 (09011524)
3620952.2	0.00084 (09011524)	0.00066 (09011524)	0.00057 (09011524)	0.00065 (09011524)	0.00038 (10021704)
3620752.2	0.00079 (09011524)	0.00073 (10122705)	0.00068 (11112818)	0.00074 (11112818)	0.00050 (11112818)
3620552.2	0.00096 (11112818)	0.00098 (11112818)	0.00080 (08011221)	0.00069 (08042704)	0.00062 (10010224)
3620352.2	0.00103 (13121719)	0.00100 (11020706)	0.00088 (11020706)	0.00089 (11122922)	0.00096 (11122922)



\*\*MODELOPTs: NonDEFAULT CONC FLAT and ELEV

\*\*\* THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL \*\*\*  
 INCLUDING SOURCE(S): L0000877 , L0000878 , L0000879 , L0000880 , L0000881 ,  
 L0000882 , L0000883 , L0000884 , L0000885 , L0000886 , L0000887 , L0000888 , L0000889 ,  
 L0000890 , L0000891 , L0000892 , L0000893 , L0000894 , L0000895 , L0000896 , L0000897 ,  
 L0000898 , L0000899 , L0000900 , L0000901 , L0000902 , L0000903 , L0000904 , . . .

\*\*\* NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART \*\*\*

\*\* CONC OF PM<sub>10</sub> IN MICROGRAMS/M<sup>3</sup> \*\*

Y-COORD (METERS)	491616.60	491816.60	492016.60	492216.60	492416.60
3620152.2	0.00085 (09030102)	0.00085 (09030102)	0.00075 (09030102)	0.00072 (09030102)	0.00088 (09030102)
3619952.2	0.00084 (09012404)	0.00082 (12013007)	0.00075 (13122106)	0.00078 (09121903)	0.00077 (13122106)
3619752.2	0.00098 (08021202)	0.00078 (10021704)	0.00077 (10021704)	0.00069 (13122106)	0.00067 (10021704)
3619552.2	0.00090 (10122704)	0.00094 (08021202)	0.00072 (08021202)	0.00072 (12013007)	0.00070 (12013007)
3619352.2	0.00109 (12012601)	0.00085 (10122704)	0.00087 (10122704)	0.00075 (08021202)	0.00061 (12013007)
3619152.2	0.00125 (12012601)	0.00095 (12012601)	0.00076 (10122704)	0.00083 (10122704)	0.00072 (08021202)
3618952.2	0.00112 (08123103)	0.00113 (12012601)	0.00086 (12012601)	0.00077 (10122704)	0.00083 (10122704)
3618752.2	0.00108 (08123103)	0.00112 (08123103)	0.00111 (12012601)	0.00078 (12012601)	0.00075 (10122704)
3618552.2	0.00094 (10021705)	0.00117 (08123103)	0.00113 (12012601)	0.00101 (12012601)	0.00082 (08112206)
3618352.2	0.00116 (10021705)	0.00100 (08123103)	0.00114 (08123103)	0.00112 (12012601)	0.00091 (12012601)

\*\*MODELOPTs: NonDEFAULT CONC FLAT and ELEV

\*\*\* THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL \*\*\*  
 INCLUDING SOURCE(S): L0000877 , L0000878 , L0000879 , L0000880 , L0000881 ,  
 L0000882 , L0000883 , L0000884 , L0000885 , L0000886 , L0000887 , L0000888 , L0000889 ,  
 L0000890 , L0000891 , L0000892 , L0000893 , L0000894 , L0000895 , L0000896 , L0000897 ,  
 L0000898 , L0000899 , L0000900 , L0000901 , L0000902 , L0000903 , L0000904 , . . .

\*\*\* NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART \*\*\*

\*\* CONC OF PM\_10 IN MICROGRAMS/M\*\*3 \*\*

Y-COORD (METERS)	492616.60	492816.60	493016.60	493216.60	493416.60
3628152.2	0.00025 (10111522)	0.00028 (10111522)	0.00029 (10111522)	0.00023 (10011903)	0.00025 (09112905)
3627952.2	0.00031 (10011903)	0.00031 (10111522)	0.00029 (10111522)	0.00024 (12100306)	0.00024 (10111504)
3627752.2	0.00034 (11121122)	0.00027 (09011401)	0.00026 (09112905)	0.00025 (10011903)	0.00028 (12100306)
3627552.2	0.00025 (10011903)	0.00025 (10011903)	0.00028 (10111504)	0.00028 (10111504)	0.00026 (10111504)
3627352.2	0.00027 (09112905)	0.00027 (10011903)	0.00028 (10011903)	0.00031 (10111504)	0.00027 (10011903)
3627152.2	0.00109 (11020706)	0.00111 (11020706)	0.00093 (11020706)	0.00076 (11122922)	0.00038 (10011903)
3626952.2	0.00095 (09030102)	0.00087 (09030102)	0.00079 (10122505)	0.00071 (10122505)	0.00042 (10011903)
3626752.2	0.00033 (10011903)	0.00034 (10011903)	0.00033 (10011903)	0.00034 (10011903)	0.00032 (10011903)
3626552.2	0.00034 (10011903)	0.00030 (12012924)	0.00031 (12012924)	0.00023 (10012404)	0.00025 (10012404)
3626352.2	0.00025 (12012924)	0.00026 (10012404)	0.00028 (10012404)	0.00023 (10012404)	0.00023 (09011524)
3626152.2	0.00029 (10012404)	0.00023 (10012404)	0.00021 (09011524)	0.00021 (09011524)	0.00021 (09011524)
3625952.2	0.00032 (10010419)	0.00025 (09011524)	0.00021 (09011524)	0.00019 (09011524)	0.00022 (09011524)
3625752.2	0.00033 (10010419)	0.00021 (09011524)	0.00019 (09011524)	0.00020 (09011524)	0.00024 (09011524)
3625552.2	0.00032 (09011524)	0.00032 (09011524)	0.00025 (09011524)	0.00028 (09011524)	0.00031 (10021707)
3625352.2	0.00038 (09011524)	0.00025 (11020706)	0.00035 (09011524)	0.00034 (09011524)	0.00032 (10021707)
3625152.2	0.00033 (12122509)	0.00031 (12122509)	0.00030 (12122509)	0.00031 (12122509)	0.00029 (12122509)
3624952.2	0.00035 (12122509)	0.00034 (12122509)	0.00032 (12122509)	0.00034 (12122509)	0.00033 (12122509)
3624752.2	0.00035 (12122509)	0.00035 (12122509)	0.00033 (12122509)	0.00033 (12122509)	0.00032 (12122509)
3624552.2	0.00034 (12122509)	0.00034 (12122509)	0.00033 (12122509)	0.00033 (12122509)	0.00033 (12122509)
3624352.2	0.00035 (12122509)	0.00034 (12122509)	0.00034 (12122509)	0.00034 (12122509)	0.00034 (12122509)
3624152.2	0.00035 (12122509)	0.00035 (12122509)	0.00035 (12122509)	0.00035 (12122509)	0.00033 (12122509)
3623952.2	0.00037 (12122509)	0.00037 (12122509)	0.00037 (12122509)	0.00036 (12122509)	0.00034 (12122509)
3623752.2	0.00038 (12122509)	0.00037 (12122509)	0.00037 (12122509)	0.00038 (09121903)	0.00036 (12122509)
3623552.2	0.00034 (09121903)	0.00034 (12122509)	0.00034 (12122509)	0.00031 (12122509)	0.00030 (12122509)
3623352.2	0.00032 (10110502)	0.00031 (10110502)	0.00030 (10110502)	0.00029 (12012924)	0.00032 (10110502)
3623152.2	0.00033 (10110502)	0.00033 (12012924)	0.00032 (10110502)	0.00034 (10021704)	0.00033 (08123102)
3622952.2	0.00037 (12012924)	0.00038 (10110502)	0.00037 (10110502)	0.00035 (10110502)	0.00036 (10110502)
3622752.2	0.00034 (12021005)	0.00033 (10110502)	0.00034 (10110502)	0.00035 (10110502)	0.00036 (10110502)
3622552.2	0.00036 (12021005)	0.00035 (08010303)	0.00035 (08123102)	0.00038 (08123102)	0.00037 (08123102)
3622352.2	0.00037 (12021005)	0.00036 (12021005)	0.00035 (12021005)	0.00033 (08010303)	0.00037 (11121024)
3622152.2	0.00038 (12013007)	0.00037 (12021005)	0.00037 (12021005)	0.00036 (12021005)	0.00033 (08010303)
3621952.2	0.00040 (12013007)	0.00037 (12013007)	0.00040 (12021005)	0.00038 (08010303)	0.00035 (08010303)
3621752.2	0.00039 (12013007)	0.00041 (12013007)	0.00038 (12021005)	0.00038 (12021005)	0.00038 (08010303)
3621552.2	0.00035 (12013007)	0.00040 (12013007)	0.00039 (12013007)	0.00039 (12021005)	0.00036 (12021005)
3621352.2	0.00037 (08021202)	0.00038 (12013007)	0.00040 (12013007)	0.00040 (12013007)	0.00039 (12013007)
3621152.2	0.00042 (08021202)	0.00037 (08021202)	0.00034 (12013007)	0.00036 (12013007)	0.00035 (12013007)
3620952.2	0.00040 (10122704)	0.00041 (08021202)	0.00039 (11112818)	0.00060 (11112818)	0.00058 (11112818)
3620752.2	0.00038 (10122704)	0.00056 (08011221)	0.00078 (08042704)	0.00038 (08021202)	0.00035 (12013007)
3620552.2	0.00067 (09022622)	0.00089 (11020706)	0.00057 (13121719)	0.00040 (08021202)	0.00036 (12013007)
3620352.2	0.00087 (11122922)	0.00047 (08123102)	0.00038 (10122704)	0.00039 (10122704)	0.00039 (08021202)

\*\*MODELOPTs: NonDEFAULT CONC FLAT and ELEV

\*\*\* THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL \*\*\*  
 INCLUDING SOURCE(S): L0000877 , L0000878 , L0000879 , L0000880 , L0000881 ,  
 L0000882 , L0000883 , L0000884 , L0000885 , L0000886 , L0000887 , L0000888 , L0000889 ,  
 L0000890 , L0000891 , L0000892 , L0000893 , L0000894 , L0000895 , L0000896 , L0000897 ,  
 L0000898 , L0000899 , L0000900 , L0000901 , L0000902 , L0000903 , L0000904 , . . .

\*\*\* NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART \*\*\*

\*\* CONC OF PM<sub>10</sub> IN MICROGRAMS/M<sup>3</sup> \*\*

Y-COORD (METERS)	492616.60	492816.60	X-COORD (METERS) 493016.60	493216.60	493416.60
3620152.2	0.00071 (09030102)	0.00053 (12122509)	0.00040 (11011324)	0.00036 (10122704)	0.00038 (10122704)
3619952.2	0.00055 (12122509)	0.00050 (12122509)	0.00041 (11121024)	0.00035 (11121024)	0.00040 (11011324)
3619752.2	0.00058 (12021005)	0.00056 (08010303)	0.00047 (11021320)	0.00041 (11030503)	0.00047 (09012404)
3619552.2	0.00055 (13021203)	0.00057 (12021005)	0.00054 (08010303)	0.00051 (08010303)	0.00043 (11021320)
3619352.2	0.00068 (12013007)	0.00060 (12013007)	0.00049 (12013007)	0.00055 (12021005)	0.00053 (12021005)
3619152.2	0.00064 (10110502)	0.00062 (12013007)	0.00061 (12013007)	0.00057 (08011401)	0.00055 (08011401)
3618952.2	0.00073 (08021202)	0.00058 (11020708)	0.00059 (12013007)	0.00062 (12013007)	0.00056 (12013007)
3618752.2	0.00082 (10122704)	0.00071 (08021202)	0.00056 (08021202)	0.00056 (12013007)	0.00053 (12013007)
3618552.2	0.00065 (08112206)	0.00070 (10122704)	0.00052 (08021202)	0.00058 (08021202)	0.00050 (11011705)
3618352.2	0.00079 (08112206)	0.00065 (08112206)	0.00054 (13021206)	0.00060 (08021202)	0.00057 (08021202)

\*\*MODELOPTs: NonDEFAULT CONC FLAT and ELEV

\*\*\* THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL \*\*\*  
 INCLUDING SOURCE(S): L0000877 , L0000878 , L0000879 , L0000880 , L0000881 ,  
 L0000882 , L0000883 , L0000884 , L0000885 , L0000886 , L0000887 , L0000888 , L0000889 ,  
 L0000890 , L0000891 , L0000892 , L0000893 , L0000894 , L0000895 , L0000896 , L0000897 ,  
 L0000898 , L0000899 , L0000900 , L0000901 , L0000902 , L0000903 , L0000904 , . . . ,

\*\*\* NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART \*\*\*

\*\* CONC OF PM\_10 IN MICROGRAMS/M\*\*3 \*\*

Y-COORD (METERS)	493616.60	493816.60	494016.60	494216.60	494416.60
3628152.2	0.00025 (12100306)	0.00019 (10111504)	0.00014 (12010109)	0.00010 (12010109)	0.00010 (12010109)
3627952.2	0.00025 (10111504)	0.00015 (12010109)	0.00012 (12010109)	0.00012 (11011609)	0.00012 (11011609)
3627752.2	0.00024 (10111504)	0.00015 (12010109)	0.00015 (11011609)	0.00015 (11011609)	0.00015 (11011609)
3627552.2	0.00030 (10011903)	0.00021 (10011903)	0.00017 (11011609)	0.00015 (11011609)	0.00015 (11011609)
3627352.2	0.00023 (10011903)	0.00017 (11011609)	0.00017 (12010109)	0.00017 (12010109)	0.00017 (10012404)
3627152.2	0.00027 (10011903)	0.00021 (12012924)	0.00022 (12012924)	0.00025 (10012404)	0.00021 (10012404)
3626952.2	0.00042 (10011903)	0.00037 (12012924)	0.00035 (09011524)	0.00025 (10012404)	0.00026 (10012404)
3626752.2	0.00044 (10021704)	0.00041 (10010808)	0.00039 (12122509)	0.00036 (12122509)	0.00034 (12122509)
3626552.2	0.00032 (10010419)	0.00029 (10010419)	0.00027 (10010419)	0.00025 (09011524)	0.00026 (09011524)
3626352.2	0.00021 (09011524)	0.00026 (09011524)	0.00028 (09011524)	0.00029 (10010419)	0.00024 (09011524)
3626152.2	0.00026 (09011524)	0.00028 (09011524)	0.00026 (09011524)	0.00021 (09011524)	0.00022 (09011524)
3625952.2	0.00018 (09011524)	0.00018 (09011524)	0.00018 (11112818)	0.00022 (09011524)	0.00022 (09011524)
3625752.2	0.00020 (11112818)	0.00017 (12122509)	0.00018 (11112818)	0.00020 (11112818)	0.00021 (11112818)
3625552.2	0.00019 (12122509)	0.00019 (12122509)	0.00019 (11020706)	0.00019 (12122509)	0.00020 (11020706)
3625352.2	0.00026 (12122509)	0.00023 (12122509)	0.00022 (12122509)	0.00022 (12122509)	0.00022 (12122509)
3625152.2	0.00027 (12122509)	0.00026 (12122509)	0.00026 (12122509)	0.00026 (12122509)	0.00026 (12122509)
3624952.2	0.00030 (12122509)	0.00030 (12122509)	0.00030 (12122509)	0.00029 (12122509)	0.00030 (12122509)
3624752.2	0.00032 (12122509)	0.00032 (12122509)	0.00031 (12122509)	0.00031 (12122509)	0.00031 (12122509)
3624552.2	0.00033 (12122509)	0.00032 (12122509)	0.00032 (12122509)	0.00032 (12122509)	0.00032 (12122509)
3624352.2	0.00033 (12122509)	0.00033 (12122509)	0.00033 (12122509)	0.00032 (12122509)	0.00033 (12122509)
3624152.2	0.00034 (12122509)	0.00034 (12122509)	0.00034 (12122509)	0.00034 (12122509)	0.00033 (12122509)
3623952.2	0.00036 (12122509)	0.00035 (12122509)	0.00033 (09121903)	0.00033 (12122509)	0.00033 (12122509)
3623752.2	0.00034 (09121903)	0.00033 (09121903)	0.00033 (09121903)	0.00034 (12122509)	0.00033 (12122509)
3623552.2	0.00031 (12122509)	0.00033 (12122509)	0.00032 (12122509)	0.00032 (13122106)	0.00032 (13122106)
3623352.2	0.00022 (12122509)	0.00027 (10021704)	0.00024 (10021704)	0.00030 (10021704)	0.00023 (12122509)
3623152.2	0.00025 (08011401)	0.00029 (08011401)	0.00024 (08011401)	0.00026 (08011401)	0.00021 (12112107)
3622952.2	0.00033 (10110502)	0.00032 (08123102)	0.00033 (10110502)	0.00030 (10110502)	0.00025 (08011401)
3622752.2	0.00035 (11020708)	0.00031 (11020708)	0.00029 (11020708)	0.00027 (11020708)	0.00024 (11020708)
3622552.2	0.00035 (08123102)	0.00024 (11020708)	0.00023 (11020708)	0.00025 (11020708)	0.00026 (11020708)
3622352.2	0.00036 (08123102)	0.00030 (08123102)	0.00025 (08123102)	0.00025 (08123102)	0.00030 (08123102)
3622152.2	0.00037 (11121024)	0.00036 (11121024)	0.00026 (11121024)	0.00025 (11011324)	0.00034 (08123102)
3621952.2	0.00033 (11121024)	0.00025 (11121024)	0.00031 (11121024)	0.00030 (11121024)	0.00030 (11121024)
3621752.2	0.00035 (08010303)	0.00028 (08010303)	0.00030 (11121024)	0.00032 (11121024)	0.00029 (08010303)
3621552.2	0.00036 (08010303)	0.00037 (08010303)	0.00035 (08010303)	0.00034 (12021005)	0.00030 (12021005)
3621352.2	0.00036 (12013007)	0.00033 (12021005)	0.00031 (12021005)	0.00032 (12021005)	0.00033 (12021005)
3621152.2	0.00046 (11112818)	0.00041 (11112818)	0.00033 (12013007)	0.00034 (12021005)	0.00036 (12021005)
3620952.2	0.00034 (12013007)	0.00038 (12013007)	0.00036 (12013007)	0.00036 (12021005)	0.00028 (08010303)
3620752.2	0.00036 (12013007)	0.00036 (12013007)	0.00027 (08112121)	0.00031 (13021203)	0.00036 (12021005)
3620552.2	0.00033 (12013007)	0.00038 (12013007)	0.00029 (12013007)	0.00036 (12013007)	0.00036 (12013007)
3620352.2	0.00036 (08021202)	0.00034 (12013007)	0.00033 (12013007)	0.00032 (12013007)	0.00036 (12013007)

\*\*MODELOPTs: NonDEFAULT CONC FLAT and ELEV

\*\*\* THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL \*\*\*  
 INCLUDING SOURCE(S): L0000877 , L0000878 , L0000879 , L0000880 , L0000881 ,  
 L0000882 , L0000883 , L0000884 , L0000885 , L0000886 , L0000887 , L0000888 , L0000889 ,  
 L0000890 , L0000891 , L0000892 , L0000893 , L0000894 , L0000895 , L0000896 , L0000897 ,  
 L0000898 , L0000899 , L0000900 , L0000901 , L0000902 , L0000903 , L0000904 , . . .

\*\*\* NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART \*\*\*

\*\* CONC OF PM<sub>10</sub> IN MICROGRAMS/M<sup>3</sup> \*\*

Y-COORD (METERS)	X-COORD (METERS)				
	493616.60	493816.60	494016.60	494216.60	494416.60
3620152.2	0.00037 (08021202)	0.00036 (08021202)	0.00039 (12122509)	0.00037 (12013007)	0.00037 (12013007)
3619952.2	0.00036 (10122704)	0.00036 (08123102)	0.00033 (12013007)	0.00031 (12122509)	0.00032 (12013007)
3619752.2	0.00039 (11121024)	0.00036 (10122704)	0.00035 (08021202)	0.00035 (08021202)	0.00033 (08123102)
3619552.2	0.00040 (11121024)	0.00042 (11121024)	0.00043 (11121024)	0.00035 (08021202)	0.00036 (11011324)
3619352.2	0.00048 (12112107)	0.00047 (12112107)	0.00045 (12112107)	0.00041 (11121024)	0.00040 (11121024)
3619152.2	0.00053 (08011401)	0.00051 (08011401)	0.00046 (08011401)	0.00042 (11121024)	0.00041 (11121024)
3618952.2	0.00046 (12013007)	0.00041 (12021005)	0.00041 (12021005)	0.00033 (08010303)	0.00033 (08021202)
3618752.2	0.00048 (12013007)	0.00039 (08112121)	0.00035 (10122704)	0.00037 (08021202)	0.00033 (08021202)
3618552.2	0.00040 (08111524)	0.00038 (10122704)	0.00037 (08021202)	0.00036 (08021202)	0.00037 (08021202)
3618352.2	0.00046 (12042801)	0.00042 (11011705)	0.00036 (08112205)	0.00036 (08021202)	0.00037 (08021202)

\*\*\* AERMOD - VERSION 14134 \*\*\*  
\*\*\* AERMET - VERSION 14134 \*\*\*

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\*\*\* 03/30/15  
\*\*\* 00:41:26  
PAGE 121

\*\*MODELOPTs: NonDEFAULT CONC FLAT and ELEV

\*\*\* THE SUMMARY OF MAXIMUM ANNUAL RESULTS AVERAGED OVER 6 YEARS \*\*\*

\*\* CONC OF PM<sub>10</sub> IN MICROGRAMS/M\*\*3 \*\*

GROUP ID	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	NETWORK GRID-ID
ALL	1ST HIGHEST VALUE IS	0.00024 AT ( 490416.60, 3620152.16, 45.70, 56.00, 0.00)	GC	UCART1
	2ND HIGHEST VALUE IS	0.00022 AT ( 488416.60, 3623952.16, 113.30, 113.30, 0.00)	GC	UCART1
	3RD HIGHEST VALUE IS	0.00021 AT ( 490416.60, 3620552.16, 44.90, 71.00, 0.00)	GC	UCART1
	4TH HIGHEST VALUE IS	0.00021 AT ( 490416.60, 3620352.16, 44.50, 44.50, 0.00)	GC	UCART1
	5TH HIGHEST VALUE IS	0.00020 AT ( 490416.60, 3620752.16, 50.00, 75.00, 0.00)	GC	UCART1
	6TH HIGHEST VALUE IS	0.00020 AT ( 488416.60, 3623552.16, 102.90, 124.00, 0.00)	GC	UCART1
	7TH HIGHEST VALUE IS	0.00019 AT ( 488416.60, 3623752.16, 104.20, 104.20, 0.00)	GC	UCART1
	8TH HIGHEST VALUE IS	0.00018 AT ( 486216.60, 3619352.16, 21.70, 21.70, 0.00)	GC	UCART1
	9TH HIGHEST VALUE IS	0.00017 AT ( 490216.60, 3620952.16, 49.00, 79.00, 0.00)	GC	UCART1
	10TH HIGHEST VALUE IS	0.00017 AT ( 486216.60, 3618952.16, 22.50, 22.50, 0.00)	GC	UCART1

\*\*\* RECEPTOR TYPES: GC = GRIDCART  
GP = GRIDPOLR  
DC = DISCCART  
DP = DISCPOLR

\*\*\* AERMOD - VERSION 14134 \*\*\*  
\*\*\* AERMET - VERSION 14134 \*\*\*

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\*\*\* 03/30/15  
\*\*\* 00:41:26  
PAGE 122

\*\*MODELOPTs: NonDEFAULT CONC FLAT and ELEV

\*\*\* THE SUMMARY OF HIGHEST 1-HR RESULTS \*\*\*

\*\* CONC OF PM<sub>10</sub> IN MICROGRAMS/M\*\*3 \*\*

GROUP ID	AVERAGE CONC	DATE (YYMMDDHH)	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	NETWORK GRID-ID
ALL HIGH 1ST HIGH VALUE IS	0.00294	ON 10110601: AT (	488016.60, 3625152.16, 100.40, 124.00, 0.00)	GC	UCART1

\*\*\* RECEPTOR TYPES: GC = GRIDCART  
GP = GRIDPOLR  
DC = DISCCART  
DP = DISCPOLR

\*\*\* AERMOD - VERSION 14134 \*\*\* \*\*\* H:\RECON\6806\AERMOD\Fut\6086\_Fut\6086\_Fut.isc  
\*\*\* AERMET - VERSION 14134 \*\*\* \*\*\*

\*\*\* 03/30/15  
\*\*\* 00:41:26  
PAGE 123

\*\*MODELOPTs: NonDEFAULT CONC FLAT and ELEV

\*\*\* Message Summary : AERMOD Model Execution \*\*\*

----- Summary of Total Messages -----

A Total of 0 Fatal Error Message(s)  
A Total of 1 Warning Message(s)  
A Total of 891 Informational Message(s)  
  
A Total of 52608 Hours Were Processed  
  
A Total of 626 Calm Hours Identified  
  
A Total of 265 Missing Hours Identified ( 0.50 Percent)

\*\*\*\*\* FATAL ERROR MESSAGES \*\*\*\*\*  
\*\*\* NONE \*\*\*

\*\*\*\*\* WARNING MESSAGES \*\*\*\*\*  
RE W213 1314 RECART: ELEV Input Inconsistent With Option: Input Ignored UCART1

\*\*\*\*\*  
\*\*\* AERMOD Finishes Successfully \*\*\*  
\*\*\*\*\*