Appendix D

Prepared for:
Discovery Builders

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AIR QUALITY TECHNICAL REPORT AND GREENHOUSE GAS REDUCTION PLAN

BRIDLE GATE

BRENTWOOD, CALIFORNIA

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APPENDICES

ACRONYMS AND ABBREVIATIONS

BAAQMD:	Bay Area Quality Management District
CalEEMod®:	California Emission Estimator Model
CalGreen:	California Green Building Standards
CARB:	California Air Resources Board
CEQA:	California Environmental Quality Act
CEUS:	Commercial End Use Survey
CO_2:	Carbon Dioxide
CO_2e:	Carbon Dioxide Equivalent
DEIR:	Draft Environmental Impact Report
DWR:	Department of Water Resources
EMFAC:	Emissions Factor Model
GHG:	Greenhouse Gas
ISO:	International Organization for Standardization
LED:	Light-emitting Diode
MM:	Mitigation Measure
MT:	Metric Ton
MWELO:	Model Water Efficient Landscape Ordinance
NOx:	Nitrogen Oxides
PDF:	Project Design Feature
PG&E:	Pacific Gas and Electric Company
PM:	Particulate Matter
RASS:	Residential Appliance Saturation Survey
ROG:	Reactive Organic Gases
RPS:	Renewable Portfolio Standard
SB:	Senate Bill
RS:	State Route
TSF:	Thousand Square Feet
VMT:	vehicle miles traveled

1. INTRODUCTION

The City of Brentwood is preparing a revised Draft Environmental Impact Report (DEIR) under the California Environmental Quality Act (CEQA) for the Bridle Gate Project ("Project"). Discovery Builders has requested that Ramboll support the City's consultant in preparing the DEIR by performing air quality and greenhouse gas (GHG) analyses. This technical report will include the following components:

- Criteria air pollutant and GHG operational emissions inventories
- GHG Reduction Plan
- Quantitative health risk assessment (HRA) for construction and qualitative HRA for operations and cumulative impacts

Results will be compared against projected[1] 2030 Bay Area Quality Management District's (BAAQMD's) CEQA Thresholds of Significance for mass emissions in terms of tons per year of nitrogen oxides (NO_x), particulate matter (PM_{10} and $PM_{2.5}$), reactive organic gases (ROG); and metric tons (MT) of carbon dioxide equivalents (CO_2e) per year and for emissions per service population in terms of MT CO_2e per service population per year (consistent with the statewide Senate Bill (SB) 32 GHG target of 40 percent below 1990 emissions by 2030). The GHG Reduction Plan will also describe GHG reduction measures that the Project will include, including example measures described in the California 2030 Scoping Plan Local Actions. The HRA compares the excess lifetime cancer risk and $PM_{2.5}$ concentration from construction and operations to the BAAQMD's thresholds of 10 in one million and 0.3 micrograms per meter cubed ($\mu g/m^3$), respectively, and evaluates cumulative impacts against the cumulative thresholds of 100 in a million and 0.8 $\mu g/m^3$ for cancer and $PM_{2.5}$ concentration, respectively.

Appendix A contains technical emissions calculation tables. **Appendix C** contains the health risk assessment. **Appendix C** contains the CalEEMod® output files.

This report concludes that the Project's criteria pollutant emissions and health risk impacts are less than significant and GHG emissions are less than significant with mitigation.

The construction emissions, odor impacts, carbon monoxide hotspots, and consistency with plans and policies were analyzed by the City's consultant in evaluating a previous, larger iteration of the Project, and are conservative (i.e., an overestimate) for this revised project. Accordingly, they are not reanalyzed in this technical report.

1.1 Project Description and Overview

The Project site is comprised of approximately 135.3 acres located at the western terminus of Sand Creek Road, to the west of State Route (SR) 4 in the city of Brentwood, CA in Contra Costa County. The Project site is bounded by Old San Creek Road to the north, SR 4 to the east, a single-family residential development (Brentwood Hills) to the south, and the edge of the Brentwood Planning Area and the City of Antioch's city limits to the west.

The project site is currently vacant. The Proposed Project would construct a public park and 286 single-family homes. This revised scope of development is significantly smaller in scale

[1] The Bay Area Air Quality Management District is currently in the process of updating its CEQA Guidelines and Thresholds of Significance. *See* https://www.baaqmd.gov/plans-and-climate/california-environmental-quality-act-ceqa/updated-ceqa-guidelines. As of January 2022, revised thresholds have not been adopted.

that the previous version of the project evaluated by the City, which included 252 single family homes, 258 multi-family dwelling units, a potential elementary school, and up to 200,000 square feet of commercial development. An alternative to this original project was also evaluated that contemplate 328 single family homes and no elementary school, in combination with the 258 multi-family dwelling units and the commercial development.

2. UNMITIGATED EMISSIONS INVENTORIES

Construction is anticipated to take place from 2021 through 2026, with full buildout achieved in 2026.[2] GHG Emissions representing 2030 were used in the GHG Analysis for comparison against the statewide 2030 emissions reduction target. Criteria air pollutant emissions were quantified for calendar year 2026 to compare to the mass emissions thresholds at the year of full buildout; these emissions would be expected to decrease in future years as vehicle fleets become cleaner. This section describes how emissions were quantified.

2.1 Summary of Existing Conditions Emissions

As noted above, at the time of the Notice of Preparation of the Project DEIR, the Project site was and still remains vacant. The existing land uses are not assumed to emit any GHGs, criteria air pollutants, or toxic air contaminants.

2.2 Proposed One-time Project Emissions

2.2.1 Summary of Construction Emissions

The City's consultant, Raney Planning & Management, Inc. ("Raney"), calculated construction emissions of the previous version of the project, including buildout of the multi-family and commercial portion of the previous project, using the California Emission Estimator Model version 2016.3.2 (CalEEMod®).[3] This assumed construction took place over a period of five years, although if construction occurs in separate phases, construction-related emissions would likely be lower than the levels analyzed. The Project would comply with all BAAQMD rules and regulations, including Basic Construction Mitigation Measures that reduce fugitive dust emissions. Construction emissions for the maximum modeled scenario were below the thresholds of significance for all criteria pollutants. Since the maximum modeled scenario calculated construction emissions for a much larger version of the Project, inclusion of the maximum modeled scenario in the below described analysis is conservative.

Total construction GHG emissions for the maximum scenario modeled by Raney have been annualized over 30 years here to add to the operational ongoing emissions and compare with BAAQMD thresholds. Buildout total GHG emissions are meant to represent the ongoing emissions for a project's lifetime; in order to effect that, construction emissions are typically amortized over an assumed 30- or 40-year project life if added to the operational emissions. Lead agencies may decide to amortize the level of short-term construction emissions over the expected (long-term) operational life of a project. The South Coast Air Quality Management District (SCAQMD) draft GHG guidance recommends amortizing construction emissions over 30 years,[4] while the Sacramento Metropolitan Air Quality Management

[2] Due to the passage of time since this project was first proposed, the construction timeline may be delayed. However, the emissions would continue to decrease in future years as the vehicle fleets and electricity intensity become cleaner.

[3] Since this project was first analysed, CalEEMod® has been updated. However, the schedule and grading area used by Raney would result in overestimates of emissions compared to those that would be calculated using the newer version of CalEEMod®. In addition, the CalEEMod® update did not affect off-road construction equipment emission factors. Therefore, no changes have been made to the construction emissions inventory.

[4] SCAQMD. 2008. Draft Guidance Document – Interim CEQA Greenhouse Gas (GHG) Significance Threshold. Available at: http://www.aqmd.gov/docs/default-source/ceqa/handbook/greenhouse-gases-(ghg)-ceqa-significance-thresholds/ghgattachmente.pdf. Accessed: February 2, 2022.

District (SMAQMD) GHG guidance notes that construction emissions can be amortized of 25 years for commercial buildings or 40 years for residential buildings.[5] The emissions inventory amortizes construction emissions over 30 years, as shown in **Table 1**. The May 2017 BAAQMD CEQA guidance requires construction emissions to be disclosed but does *not* require construction emissions to be added to operational emissions for comparison against thresholds, so the inclusion of amortized construction emissions is conservative.

2.3 Proposed Ongoing Project Emissions

The Project ongoing operational emissions were estimated using CalEEMod® 2020.4.0. The operational emissions are summarized in the tables below and the supporting tables in **Appendix A**, and CalEEMod® outputs are included in **Appendix C**.

2.3.1 Methodology for Emissions Inventories

The emissions inventories are divided by source category to cover the following sources:

1. Area Sources
2. Purchased electricity use not related to water usage
3. Natural gas use
4. Water usage, including purchased electricity use
5. Waste
6. Mobile Sources.

Each source category is discussed separately below.

2.3.1.1 Area Sources

The proposed Project includes area sources such as architectural coatings, consumer products use, natural gas hearth, and landscaping equipment. The Project land uses will employ gasoline and diesel landscaping equipment, and the residences may include natural gas-fired hearths. CalEEMod®'s emissions estimates are based on emission factors for the landscaping equipment from the California Air Resources Board (ARB) OFFROAD2011 model and hearths based on typical activity in Contra Costa County and natural gas emission factors. Consistent with BAAQMD Regulation 6, Rule 3, no wood-burning stoves are allowed. Consumer product emission factors were refined based on the most recent VOC inventory as shown in **Appendix A Table 1.**

2.3.1.2 Purchased Electricity Not Related to Water Use

The Project includes operational emissions associated with purchased electricity for lighting, heating, plug-in appliances, electric vehicle charging, and other uses not associated with water supply, treatment, and distribution. CalEEMod® estimates emissions based on the electricity use and the carbon intensity of electricity.

CalEEMod® provides default electricity intensities based on the type and size of land uses associated with the Project for its climate zone. Version 2020.4.0 incorporates the electricity use rates consistent with 2019 Title 24, Part 6 Building Energy Efficiency Standards ("Title

[5] SMAQMD. 2020. Chapter 6 Greenhouse Gas Emissions. Available at: http://www.airquality.org/LandUseTransportation/Documents/Ch6GHG4-25-2020.pdf. Accessed: February 2, 2022.

24"), which went into effect January 1, 2020. 2019 Title 24 also updates the baseline lighting intensity for all land use subtypes to rely on high-efficiency (e.g., light-emitting diode or LED) lightbulbs.

To estimate GHG emissions from electricity use, Pacific Gas and Electric Company (PG&E) Carbon Dioxide (CO_2) intensity factors were projected for 2030 in place of the default carbon intensity in CalEEMod®. This used the most recently-available historical PG&E data on carbon intensity and percent renewables from 2016 through 2018 to project how the carbon intensity of the electricity would change in 2030. This intensity factor takes into account the State's Renewables Portfolio Standard (RPS) based on SB 100 that requires 60% of electricity to be from renewable sources in 2030. The derivation of this factor is shown in **Table 2 of Appendix A**.

2.3.1.3 Natural Gas

The Project emits GHGs from on-site natural gas combustion. CalEEMod® provides default natural gas intensities based on the type and size of land uses associated with the Project for its climate zone. Version 2020.4.0 incorporates the natural gas use rates consistent with 2019 Title 24, which went into effect January 1, 2020.

2.3.1.4 Water Use, Including Purchased Electricity

Electricity is required to supply, treat, and distribute water and wastewater, and as such, water use is a source of GHG emissions. The water use estimate for the Project is the CalEEMod® default for the Project land uses for Contra Costa County. As with GHG emissions from purchased electricity not related to water use, Ramboll used the PG&E CO_2e intensity factor for 2030, in place of the default energy intensity in CalEEMod®, as discussed in Section 2.3.1.2.

2.3.1.5 Waste

Waste generated by the Project will result in GHG emissions, which was estimated using CalEEMod® using default values and incorporated a reduction due to on-site recycling and composting facilities.

2.3.1.6 Mobile Sources

The Project would generate vehicle trips from residents, vendors, and visitors traveling to and from the site. Emissions were quantified using the Project trip generation rates from the current Traffic Impact Study, and otherwise trip characteristics are CalEEMod® defaults.

CalEEMod® evaluates mobile emissions using CARB's Emission Factors Model for on-road emissions, EMFAC2017. Ramboll estimated updated vehicle fleet mix and emission factors for the Project operational year 2030 using the newer version of the model, EMFAC2021. The updated vehicle fleet mixes and emission factors are presented in **Table 3a and 3b of Appendix A.** The adjusted entrained dust and silt loading emission factor is shown in **Appendix A Table 4.**

2.3.2 Summary of Unmitigated Emissions and Derivation of GHG Threshold

Table 1 shows the unmitigated emissions inventories by source category.[6] Emissions are compared to the criteria air pollutant mass emissions thresholds and the derived GHG thresholds. The City's preferred GHG threshold was derived in the previous version of the DEIR using the following methodology:[7]

> *"The BAAQMD has determined that projects with operational emissions equal to or less than 1,100 MT CO2e/yr or 4.6 MTCO2e [per service population (SP), which is the total residents plus employees] per year would comply with the emission reductions target of 1990 levels by 2020 set forth by AB 32. SB 32 requires that by 2030, statewide emissions be reduced by 40 percent beyond the 2020 reduction target set by AB 32; therefore, in the absence of specific guidance from BAAQMD or the CARB, the City assumes that in order to meet the reduction targets of SB 32, a proposed project would be required to reduce emissions by an additional 40 percent beyond the emissions reductions currently required by BAAQMD for compliance with AB 32. Assuming a 40 percent reduction from current BAAQMD targets would be in compliance with SB 32, a proposed project would be in compliance with SB 32 if the project's emissions did not exceed the following thresholds:*
>
> - *660 MTCO2e/yr; or*
> - *2.76 MTCO2e/SP/yr."*

As shown in **Table 1**, criteria air pollutant emissions are below the BAAQMD thresholds for ROG, NO_x, $PM_{2.5}$, and PM_{10}. Unmitigated GHG emissions exceed the service population threshold by 855 MT CO_2e/year.

[6] Note that construction mass emissions are not recalculated in this report; these are evaluated in the City's original DEIR report. However, as described above, construction emissions have conservatively been amortized and added to the table below to compare with the BAAQMD's GHG threshold.

[7] City of Brentwood. 2020. Bridle Gate Draft EIR, Page 4.1-28. Available at: https://www.brentwoodca.gov/civicax/filebank/blobdload.aspx?BlobID=66944. Accessed: February 2, 2022.

Table 1: Full Buildout Project Unmitigated Emissions

Source Category [a,b]	CO_2e	ROG	NOx	PM_{10}	$PM_{2.5}$
	MT/yr	Ton/yr [lb/day]			
Area	28	2.0 [11]	0.045 [0.25]	0.014 [0.074]	0.014 [0.074]
Purchased Electricity	149	0 [0]	0 [0]	0 [0]	0 [0]
Natural Gas	409	0.041 [0.23]	0.35 [1.9]	0.028 [0.16]	0.028 [0.16]
Water Use	36	0 [0]	0 [0]	0 [0]	0 [0]
Waste Disposed	173	0 [0]	0 [0]	0 [0]	0 [0]
Traffic	2,159	0.90 [4.9]	1.4 [7.5]	1.02 [5.6]	0.27 [1.5]
Annualized Construction [c]	156	n/a	n/a	n/a	n/a
Total	**3,110**	**2.9 [16]**	**1.77 [9.7]**	**1.07 [5.8]**	**0.32 [1.7]**
Threshold	**2.76**	**10 [54]**	**10 [54]**	**15 [82]**	**15 [82]**
Exceedance	**Yes**	**No**	**No**	**No**	**No**
Service Population	**818**	**818**	**818**	**818**	**818**
Emissions per Service Population	3.80	n/a	n/a	n/a	n/a
Further Reductions Needed [d]	**855**	**0**	**0**	**0**	**0**

Notes:
a. Emissions estimated using CalEEMod® version 2020.4.0. The unmitigated CalEEMod® outputs incorporate benefits due to no wood-burning stoves.
b. The inventory includes model refinements to account for the Renewables Portfolio Standard (RPS) requirements for 2030 and updates to use the CARB's most current mobile emissions model EMFAC2021. Appendix A Table 2 shows the derivation for the electricity intensity factor, while Appendix A Tables 3a and 3b show the mobile vehicle emission factors used in the analysis. Consistent with common practice within the BAAQMD, construction has been amortized over the 30-year project life.
c. As noted in Section 2.3, BAAQMD May 2017 CEQA guidelines require construction emissions to be disclosed, but do not require them to be annualized and included in the total operational emissions.
d. The values calculated here may vary from the detailed tables due to rounding.

3. MITIGATED GHG INVENTORY AND GHG REDUCTION PLAN

Ramboll prepared a mitigated GHG inventory that includes regulatory changes, project design features, and mitigation measures that were not included in the unmitigated emissions inventory. The quantified reductions are summarized in **Tables 2** and **3** and shown in more detail in **Appendix A Table 5**.

Since criteria air pollutant emissions were all below thresholds in the unmitigated inventory, emissions reductions that would occur as air quality co-benefits to the GHG reduction measures have conservatively not been quantified; however, if quantified, criteria air pollutant emissions would decrease further beyond those shown above.

3.1 Reductions from Project Design Features Not Included in the Unmitigated GHG Inventory

The mitigated CalEEMod® run reduced emissions due to project features that reduce vehicle miles traveled (VMT) over a default suburban development pattern. Features include traffic calming and an improved pedestrian and bicycle network. These reductions were quantified in CalEEMod® and are shown in **Appendix C.** Ramboll has identified and quantified reductions from additional project design features or regulatory requirements that apply to the Project below.

3.2 Reductions from Regulatory Compliance

The unmitigated GHG inventory includes the benefits of the BAAQMD rule restricting wood-burning stoves in new residential buildings. However, there are other rules and regulations that the Project will comply with that can be quantified as further reductions, described as follows.

3.2.1 Compliance with Title 24, Part 6 Building Energy Efficiency Standards

The GHG emissions inventory energy usage rates as part of compliance with the 2019 Title 24 building code. However, the 2019 Title 24 building code has additional requirements that the project will comply with that can be quantified for a further reduction in GHG emissions.

Zero Net Electricity Low-Rise Residences

The 2019 Title 24 building code requires that any low-rise residential building, defined as a residential building with three habitable stories or less, achieve zero net electricity through improvements in energy efficiency and generation of on-site renewable electricity (e.g., solar photovoltaics) to offset the annual site electricity consumption.[8]

The Project includes single family homes only, which are three stories or less.

Ramboll estimated the emissions reduction associated with zero net electricity low rise residences using the energy usage rates from CalEEMod®. Based on the methodology described above, Ramboll calculated a reduction from compliance with this component of 2019 Title 24 by summing the electricity use from the residential land uses after implementing the reductions from other electricity measures. This can be seen in **Appendix A Table 5.**

[8] California Energy Commission. 2018. 2019 Building Energy Efficiency. Available at: https://ww2.energy.ca.gov/2018publications/CEC-400-2018-020/CEC-400-2018-020-CMF.pdf.

3.2.2 Compliance with AB341 Waste Diversion

California AB341 requires that 75% of all waste generated in the state be diverted away from landfills and towards recycling or compost facilities by 2020.[9] To meet this target, the City of Brentwood's Municipal Code, Chapter 8.16, requires that all property owners maintain a subscription for refuse collection.[10] Refuse collection is provided by the City of Brentwood's Solid Waste Division, which includes green waste collection. Acceptable green wastes include yard clippings, uncooked food, branches, and other forms of yard waste.

By default, CalEEMod® assumes approximately 50% waste diversion based on historical data. Because the Project will be built after 2020 and because of the City of Brentwood's refuse policy, Ramboll estimates that an additional 50% of the waste modeled in CalEEMod® will be diverted as part of the regulatory compliance, for a total of 75% waste diversion. This results in an estimated emissions reduction of 50% of the solid waste emissions shown in **Table 1** above**.**

3.2.3 Water Reduction Requirements

CalEEMod® water use rates are based on defaults from data preceding California's recent droughts. Several regulatory requirements will effectively reduce water use, as described below.

Water Efficient/Drought Tolerant Landscaping

The California Department of Water Resources (DWR) implements the Model Water Efficient Landscape Ordinance (MWELO) to save water by efficient landscape design, installation, and maintenance. The statewide MWELO was updated in 2015 to improve landscape irrigation water savings.[11] Section 17.630.010 of the Brentwood Municipal Code adopts the current MWELO. This is estimated to reduce outdoor water use by 20 percent compared to CalEEMod® defaults.[12] This reduction is included in the CalEEMod® output files in **Appendix C.**

Low-Flow Fixtures

The California Green Building Standards Code (Part 11 of Title 24) is commonly referred to as CalGreen Building Standard (CalGreen), and establishes voluntary and mandatory standards pertaining to the planning and design of sustainable site development, energy efficiency, water conservation, material conservation, and interior air quality. Like Part 6 of Title 24, the CalGreen standards are periodically updated, with increasing energy savings and efficiencies associated with each code update. CalEEMod® defaults from 2008 have not been updated to incorporate the CalGreen requirements from 2010, 2013, 2016, or 2019. The Project will comply with the CalGreen Standards, which will require a 20 percent

[9] California State Assembly. 2011. Assembly Bill No. 341. Available at: https://leginfo.legislature.ca.gov/faces/billNavClient.xhtml?bill_id=201120120AB341. Accessed: February 2, 2022.

[10] City of Brentwood Municipal Code. 8.00.030 Unlawful Activities. Available at: http://qcode.us/codes/brentwood/?view=desktop&topic=8-8_00-8_00_030. Accessed: July 13, 2020.

[11] CA DWR. 2020. MWELO. Available at: https://water.ca.gov/Programs/Water-Use-And-Efficiency/Urban-Water-Use-Efficiency/Model-Water-Efficient-Landscape-Ordinance. Accessed: February 2, 2022.

[12] Hartin, J.S., et al. 2018. UC ANR research and education influences landscape water conservation and public policy. Available at: https://www.researchgate.net/publication/331334650_UC_ANR_research_and_education_influences_landscape_water_conservation_and_public_policy. DOI: 10.3733/ca.2018a0041. Accessed: February 2, 2022.

reduction in indoor potable water use through the use of water saving fixtures and or flow restrictors.[13] This reduction is shown in **Appendix A Table 6.**

3.2.4 Summary of GHG Reductions from Regulatory and Project Design Features

Table 2 shows the reductions in GHG emissions from project design features and regulatory compliance by measure. **Table 5** of **Appendix A** shows further details on the background, assumptions, and specifies which of these measures are Scoping Plan Local Actions. Note that the 2017 Scoping Plan describes these as "potential actions that could be undertaken at a local level to support the State's climate goals…This appendix should be viewed as a general reference document. It should not be interpreted as official guidance or as dictating requirements for a city or county in addressing GHGs in its General Plan or for local project CEQA mitigation. It does not replace or modify existing or future laws, ordinances, regulations, or standards adopted by a regulatory entity and may therefore include examples of local actions that are currently, or may become, mandatory."[14]

Table 2: GHG Reductions from Regulatory and Project Design Features

Source Category	Reduction Description	Reduction [a] (MT CO_2e/year)
Energy	Zero Net Electricity Low-Rise Residences [b]	146
Mobile	Traffic Calming & Connectivity [a]	103
Waste	Institute Recycling & Composting Services [b]	86
Water	Water Efficient/Drought Tolerant Landscaping [a]	0.8
Water	Low-Flow Fixtures [b]	1.3
Total Reduction from Regulatory Compliance and Project Design Features		**338**
Remaining Emissions [c]		**2,772**
Further Reductions Needed [c]		**517**

Notes:
a. Quantified using CalEEMod® version 2020.4.0. Outputs are in Appendix C.
b. Calculations are shown in Appendix A.
c. This is the remaining emissions and reductions needed after applying the reductions from regulatory compliance and project design features to the unmitigated inventory.

[13] CSBC. 2010. 2010 California Green Building Standards. 4.303.1. Available at: https://www.ladbs.org/docs/default-source/publications/misc-publications/2010-ca-green-building-standards-code.pdf?sfvrsn=11. Accessed: February 2, 2022.

[14] CARB. 2017. 2017 Scoping Plan Appendix B: Local Actions. Available at: https://ww2.arb.ca.gov/sites/default/files/classic/cc/scopingplan/2030sp_appb_localaction_final.pdf Accessed: February 2, 2022.

3.3 Reductions from Mitigation Measures

As shown above, after incorporation of regulatory measures and project design features, the GHG inventory exceeds the BAAQMD threshold by 517 $MTCO_2e$/year. Therefore, the following Mitigation Measures (MM) have been proposed:

- **MM GHG-1:** Prior to the issuance of the first building permit for any individual development within the project site, the developer shall submit a GHG Reduction Plan to the City of Brentwood that demonstrates a fair-share reduction of GHG emissions to the satisfaction of the City towards project-wide emissions reduction goals through incorporation of on-site or off-site emissions reductions measures. The GHG Reduction Plan shall present quantification of the efficacy of all proposed emissions reductions measures, as a means of demonstrating project-wide GHG emissions reductions by 517 $MTCO_2e$/year. A fair-share reduction is to be made based on the total acreage proposed for development in any given tentative map or project subject to Design Review, as compared to the entire area of development proposed within the project site as a whole. For the purposes of this mitigation measure, areas not anticipated for development, such as parks and open spaces, are not included in the total development acreage. Therefore, the total development area is considered to be approximately 95 acres (assuming that 40 acres would be used for park or open space uses. Examples of measures that may be incorporated into the GHG Reduction Plan(s) prepared for on-site development may include, but are not limited to, those measures outlined in **Table 3** in Section 3.3.1 of this report or in **Appendix A Table 10**.
- **MM GHG-2**: The GHG Reduction Plan shall include suggested Local Actions from the 2017 Scoping Plan.

This section constitutes the GHG Reduction Plan and describes the reduction measures that are proposed to achieve the emissions reductions required by Mitigation Measures GHG-1 and GHG-2.

The sections below quantify the benefits of measures that will be part of the project. **Section 3.4** also describes additional measures that are not quantified but may be incorporated into the Project. Through a combination of the foregoing measures, detailed analysis demonstrates that GHG emissions related to the project can be reduced to a level of insignificance.

3.3.1 GHG Reduction Measures for Implementation

As discussed below and summarized in **Table 3**, the applicant will commit to a menu of feasible measures that cumulatively would accomplish the required reduction. This GHG Reduction Plan requires the project applicant to implement any mix or fraction of the measures listed in **Table 3**, provided that the mix results in the total required reduction. **Appendix A Table 3** shows further details on the background and assumptions, and also specifies which of these measures are Scoping Plan Local Actions. This plan incorporates on-site and off-site mitigation measures, where off-site measures have been identified to the extent on-site measures are not feasible. Table 3 shows one combination of activities to exceed the required GHG reduction. Other combinations of measures will also meet these reductions. Substitute measures that can be used are further described below in Section 3.4.1.

Table 3: Summary of Mitigation Measures That Would Achieve the Mitigation Measure GHG-1 Requirements

Source Category	Mitigation Measure	Reduction (MT CO_2e/year)
Natural Gas	No-NOx Space and Water Heating [a]	291
Electricity	Use ENERGY STAR Appliances [a]	3.2
Natural Gas	Design for All-Electric Retrofits [b]	--
On-Road Exhaust	Install Level 2 electric vehicle charging outlets in single family home garages [a]	460
Landscaping	Enable Use of Electric Landscaping equipment [a]	1.1
Construction	Use Renewable Diesel to Fuel Construction Fleets	156
Vegetation	Plant trees [a]	6.7
Reductions from Mitigation Measures		918
Required Reduction from MM GHG-1		517
Meets Requirement?		**Yes**

Notes
a. Calculations are shown in Appendix A.
b. No GHG emissions reductions were quantified for this measure to avoid double-counting or speculative assumptions. For the design for all-electric retrofits, the builders will provide an option for prospective homeowners to choose electric or induction cooking appliances instead of natural gas appliances, but it would be speculative to assume a certain percentage of buyers choose this option.
c.

Quantified measures in **Table 3** are described in detail below. Measures that are not quantified are described further in **Appendix A Table 9** and in the footnotes above**.**

- **No-NO_x Space and Water Heating:** The use of natural gas for space and water heating emits criteria air pollutants and GHGs. Replacing space and water heaters with electric (e.g., heat pumps; tankless water heaters) removes the GHG emissions associated with natural gas and also reduces criteria air pollutant emissions. This calculation adds additional emissions from the additional electricity anticipated to be used to power the space and water heating as shown in **Appendix A Tables 7** and **8**, conservatively

assuming that electricity uses the average electrical grid carbon intensity and is not provided by renewables**.**

- **ENERGY STAR Appliances:** ENERGY STAR appliances reduce electricity use compared to conventional appliances. This calculation assumes that the residences use ENERGY STAR dishwashers, refrigerators, and ceiling fans, as shown in **Appendix C.**
- **Electric Vehicle Charging Outlets:** The Project will install electric vehicle charging outlets in single family home garages to encourage electric vehicle adoption and use. This commitment is to install dedicated circuits that support Level 2 charging (e.g., 30-40 amp, 220 volt circuit) with an outlet in the garage, so that the owner of an electric vehicle could charge the vehicle. It does not require installation of a pedestal or advanced capabilities (e.g., Wi-Fi, credit card reading). Gasoline and diesel cars emit GHGs through fuel combustion, while electric vehicle charging results in indirect GHG emissions from fossil fuels used to generate electricity. The difference between the indirect electricity GHG emissions and the fossil fuel combustion emissions for the miles assumed to be provided by the charging stations is the GHG benefit due to this measure. This calculation is shown in **Tables 9** of **Appendix A.** Electric vehicles also reduce criteria air pollutant and toxic air contaminant emissions.
- **Electric Landscaping Equipment:** The Project will install exterior electrical outlets that enable the use of electric landscaping equipment. Electric landscaping equipment reduces both GHG and criteria air pollutant emissions. This assumes that 100 percent of landscaping equipment used is electric, as shown in **Appendix C.**
- **Renewable Diesel:** The Project will use Neste or other renewable diesel instead of conventional diesel for off-road construction equipment. Renewable diesel is made from 100 percent renewable and sustainable raw materials including cooking and vegetable oil residues and waste animal fats from the food processing industry and is classified as a hydrotreated vegetable oil. In the manufacturing process, the raw materials are transformed into a pure hydrocarbon fuel that can be used interchangeably with conventional diesel but provides performance benefits.[15] This GHG reduction is calculated by summing the GHG emissions from off-road equipment from the CalEEMod® outputs in the City's original DEIR**.**
- **Sequestration:** The Project will plant net new trees for all residences and as part of the streetscaping. Trees sequester carbon during their growing period of up to 20 years, as described further in the CalEEMod® Users Guide. This calculation is based on a minimum of 286 net new trees, although the actual number of trees planted may be higher, as shown in **Appendix A Table 5.**

3.4 Potential Alternative GHG Reduction Measures

3.4.1 Quantified

Any of the measures from **Table 3** are summarized in **Appendix A Table 5 and** can be replaced at the applicant's election by the alternative measures in **Appendix A Table 10** if the measures in Table 3 prove infeasible or less favorable than these alternative measures, provided that the total GHG reduction remains at least 517 MT CO_2e/year. Assumptions and

[15] Neste MY Renewable Diesel – high-performing low-carbon biofuel. Available at: https://www.neste.com/companies/products/renewable-road-transport/neste-my-renewable-diesel. Accessed: February 2, 2022.

calculations for these alternative measures are described in **Appendix A Table 10**, and the calculations avoid double-counting and are additive with the measures shown in **Table 3**.

3.4.2 Not Quantified

A combination of the measures in **Table 3** would be sufficient to accomplish the required reduction. Note that the Project could further reduce emissions by implementing other measures not quantified in this analysis, however, as these measures are not quantifiable currently, they are not eligible for additional GHG reductions at this time. However, should they become quantifiable in the future with supporting substantial evidence, this GHG Reduction Plan may be amended subject to City approval. **Appendix A Table 11** describes additional measures that have been suggested either as Scoping Plan Local Actions or as example mitigation measures from the City but were not explicitly incorporated into this analysis. For example, the Project will likely be consistent with many other suggested measures through compliance with 2019 Title 24 as follows; however, it is uncertain which of the specific measures will be used to demonstrate compliance. This includes measures such as installing energy-conserving appliances; orienting buildings to maximize passive solar heating; equipping buildings with energy efficient AC units and heating systems with programmable thermostats/timers; requiring the use of energy-efficient lighting for all street, parking, and area lighting; and including energy storage, where appropriate.

3.4.3 Demonstration of Compliance with MM GHG-2

Table 4 shows a list of mitigation measures or project design features that the project will adopt that were suggested as potential measures for GHG-2. **As shown in Table 4, the Project will include many of the suggested Local Actions from the 2017 Scoping Plan and therefore satisfies the requirement of MM GHG-2.**

Table 4: Project GHG Reduction Measures from Scoping Plan Examples

Description [a,b]	Scoping Plan Local Action? (MM GHG-2)
Enforce idling time restrictions for construction vehicles.	X
Require on-site EV charging capabilities for parking spaces serving the project to meet jurisdiction-wide EV proliferation goals.	X
Provide on- and off-site safety improvements for bike, pedestrian and transit connections, and implement relevant improvements identified in an applicable bicycle and/or pedestrian master plan.	X
Require on-site renewable energy generation.	X
Prohibit wood-burning fireplaces in new development.	X
Require solar-ready roofs.	X
Require organic collection in new developments.	X

Table 4: Project GHG Reduction Measures from Scoping Plan Examples

Description [a,b]	Scoping Plan Local Action? (MM GHG-2)
Require low-water landscaping in new developments. Require water efficient landscape maintenance to conserve water and reduce landscape waste.	X
Require the design of bike lanes to connect to the regional bicycle network.	X
Require the design of the electric outlets and/or wiring in new residential unit garages to promote electric vehicle usage.	X
Require each residential unit to be "solar ready," including installing the appropriate hardware and proper structural engineering.	X
Require each residential and commercial building to utilize low flow water fixtures such as low flow toilets and faucets.	X
Zero Net Electricity – Residential - Project produces enough renewable electricity on annual basis to offset all electricity used by residential land uses.	X
Improve onsite pedestrian access	X

Notes:
a. While some of these measures not explicitly described in this GHG Reduction Plan because the benefits are not quantified, they are regulatory requirements that are included as part of the Project.
b. The Project will likely be consistent with many other suggested measures through compliance with 2019 Title 24 as follows; however, it is uncertain which of the specific measures will be used to demonstrate compliance, e.g., energy-conserving appliances; orient buildings to maximize passive solar heating; equip buildings with energy efficient AC units and heating systems with programmable thermostats/timers; require the use of energy-efficient lighting for all street, parking, and area lighting; and include energy storage, where appropriate.

4. HEALTH RISK ASSESSMENT

Appendix B provides details of the methodology and results of the Project HRA. With respect to the Project, the BAAQMD thresholds of significance for construction, operational, and cumulative risks and hazards are shown in **Table 5.**

Table 5. BAAQMD CEQA Thresholds of Significance for HRA

Other Impacts	**Construction or Operational-Related Thresholds**
Risks and Hazards for New Sources and Receptors (Individual Project)	Compliance with Qualified Community Risk Reduction Plan OR Increased cancer risk of >10.0 in a million Increased non-cancer risk of > 1.0 HI (chronic or acute) Ambient $PM_{2.5}$ increase: > 0.3 µg/m^3 annual average
Risks and Hazards for New Sources and Receptors (Cumulative Threshold)	Compliance with Qualified Community Risk Reduction Plan OR Increased cancer risk of >100 in a million (from all local sources) Increased non-cancer risk of >10 HI (from all local sources) (chronic) Ambient $PM_{2.5}$ increase: > 0.8 µg/m^3 annual average (from all local sources) Zone of Influence: 1,000-foot radius from fence line of source or receptor

Abbreviations:
HI = hazard index
$PM_{2.5}$ = particulate matter less than 2.5 micrometers in diameter
µg/m^3 = micrograms per cubic meter

The HRA includes several components. It includes refined dispersion modeling using the US Environmental Protection Agency (USEPA)'s preferred model AERMOD, that when combined with construction activity from the DEIR and Project-specific off-road equipment data, shows that health risk impacts to off-site sensitive receptors would be below the significance thresholds. For operations, the HRA evaluates the impacts of Project traffic at nearby sensitive receptors and shows that this would not increase risks above the BAAQMD's significance thresholds, nor would the combined Project construction plus operations exceed the thresholds. Finally, the HRA evaluates potential cumulative impacts due to Project construction and operation, plus nearby existing stationary sources, traffic, and other nearby projects. This also concludes that impacts would be well below the BAAQMD's cumulative health risk significance thresholds.

5. SUMMARY AND IMPLEMENTATION

This report concludes that the Project's operational criteria pollutant emissions, and construction and operational health risk impacts are less than significant and GHG emissions are less than significant with mitigation.

APPENDIX A
SUPPORTING CALCULATIONS

Appendix A Table 1
Consumer Product Emission Factor Refinement
Bridle Gate
Brentwood, CA

Year[1]	Consumer Products VOC inventory (tons/day)[2]	Contra Costa County Population[3]	Total Building Square Footage[4]	Consumer Products VOC Emission Factor (lb/square foot/day)
2010	6.50	1,049,025	760,649,629	1.71E-05
2020	6.83	1,165,927	845,415,448	1.62E-05

Notes:

1. 2010 data are used because total building square footage was available only for 2010. Building square footage for 2020 was estimated by multiplying 2010 building square footage with the ratio of population in 2020 to that in 2010.
2. VOC inventory obtained from California Air Resources Board's emission inventory for Consumer Products under Solvent Evaporation for the respective years.
3. Population estimates obtained from US Census Bureau's QuickFacts for Contra Costa County for the respective years.
4. Total building square footage of Contra Costa County for 2010 obtained from FEMA HAZUS-MH software.

Abbreviations:

lb - pound

VOC - Volatile Organic Compound

References:

California Air Resources Board. Almanac Emission Projection Data. Available online at https://www.arb.ca.gov/app/emsinv/emssumcat.php. Accessed November 2021.

US Census Bureau QuickFacts. Available online at https://www.census.gov/quickfacts/contracostacountycalifornia. Accessed November 2021.

US Federal Emergency Management Agency's Hazus software (HAZUS-MH), Version 5.1. Available online at https://msc.fema.gov/portal/resources/hazus.

Appendix A Table 2
PG&E Electricity Intensity Factor Derivation
Bridle Gate
Brentwood, CA

Historical Electricity Intensity - PG&E

Annual Electricity Data	2016	2017	2018	Average[1]	Units
CO_2 Intensity Factor per Total Energy Delivered[2]	294	210	206	237	lbs CO_2/MWh delivered
CO2e Intensity Factor per Total Energy Delivered	296	213	209	239	lbs CO_2e/MWh delivered
% of Total Energy From RPS-Eligible Renewables[3]	33%	33%	39%	35%	-
CO_2 Intensity Factor per Total Non-RPS-Eligible Energy[4]	437	314	338	364	lbs CO_2/MWh delivered
CO_2e Intensity Factor per Total Non-RPS-Eligible Energy[4]	441	318	342	368	lbs CO_2e/MWh delivered

Estimated Intensity Factor for Total Energy Delivered by PG&E[5]

Year	2016	2017	2018	Average[5]	Units
2026 (50%)	219	157	169	181	lbs CO_2/MWh delivered
	220	159	171	183	lbs CO_2e/MWh delivered
2030 (60%)	175	126	135	145	lbs CO_2/MWh delivered
	176	127	137	147	lbs CO_2e/MWh delivered

Greenhouse Gas Energy Emission Factors

Greenhouse Gas	CO_2	CH_4	N_2O	CO_2e	Units
Global Warming Potential[6]	1	25	298	-	-
Natural Gas Use Emission Factor[7]	118	0.0023	0.0022	118	lb/MMBTU
	0.0053	0.0000	0.0000	0.0054	MT/therm

Criteria Air Pollutant Energy Emission Factors'

Land Use Type	ROG	NOx	PM_{10}	$PM_{2.5}$	Units
Residential	0.011	0.092	0.0075	0.0075	lb/MMBtu
Nonresidential	0.011	0.10	0.0075	0.0075	lb/MMBtu

Notes:

1. This average uses the most recent three years of data.
2. Total CO_2 intensity factors from The Climate Registry. Available at: https://www.theclimateregistry.org/our-members/cris-public-reports/. Accessed: April
3. Percent of total energy from eligible renewables is from the PG&E 2017, 2018, and 2019 Corporate Responsibility Report.
4. The emissions metric presented here was calculated based on the total CO2 intensity factor divided by the percent of energy delivered from non-RPS-eligible sources. This CO2 intensity factor includes both fossil fuel and carbon-free sources of energy, such as largescale hydro and nuclear. Diablo Canyon Nuclear Plant, which accounts for a portion of the carbon-free energy in this CO2 intensity factor, is planned to be closed by 2024-2025 (https://www.pge.com/en_US/safety/how-the-system-works/diablo-canyon-power-plant/diablo-canyon-power-plant/engagement-panel.page). According to SB 1090 (approved 9/2018), "The [California Public Utilities] commission shall ensure that integrated resource plans are designed to avoid any increase in emissions of greenhouse gases as a result of the retirement of the Diablo Canyon Units 1 and 2 powerplant." This was incorporated into CPUC section 712.7(2)(b). Based on this information, the total Non-RPS-Eligible energy CO2 intensity factor was assumed to remain constant.
5. The RPS of 44% by 2024, 52% by 2027, and 60% for 2030 are consistent with SB 100. The RPS for 2026 was estimated by assuming a linear increase between 2020 and 2027. Available at: https://leginfo.legislature.ca.gov/faces/billNavClient.xhtml?bill_id=201720180SB100. The average percentage of energy from renewables for 2016-2018 is greater than the 2020 RPS of 33% as required by SB100. Thus, it is assumed that the 2016-2018 average CO2 and CO2e intensity factors remain constant through 2020, at which point the carbon intensity then decreases each year to comply with the future RPS requirements.
6. Global Warming Potentials (GWP) are based on the IPCC Fourth Assessment Report. CH4 and N2O emission factors are from the CalEEMod® version 2020.4.0 defaults for PGE, and are conservatively assumed not to change from these estimates. As more renewable energy is integrated into the electricity grid, these intensity factors will also decrease.
7. Natural Gas Use emission factors from Table 8.2 of CalEEMod User's Guide Appendix D.

Appendix A Table 2
PG&E Electricity Intensity Factor Derivation
Bridle Gate
Brentwood, CA

Abbreviations:

CalEEMod - California Emissions Estimator Model
CH_4 - methane
CO_2 - carbon dioxide
CO_2e - carbon dioxide equivalents
CPUC - California Public Utilities Commission
GWP - global warming potential
lb - pound(s)
MMBtu - million British Thermal Units
MT - metric ton(s)
MWh - megawatt-hour
N_2O - nitrous oxide
NO_x - nitrogen oxides
PCE - Peninsula Clean Energy
PG&E - Pacific Gas & Electric
PM - particulate matter
$PM_{2.5}$ - PM less than 2.5 microns in diameter
PM_{10} - PM less than 10 microns in diameter
ROG - reactive organic gases
RPS - Renewable Portolio Standard
SB - Senate Bill

References:

California Air Pollution Control Officers Association (CAPCOA). California Emissions Estimator Model (CalEEMod), Version 2020.4.0. Available online at http://www.caleemod.com/

IPCC. 2007. AR4 Climate Change 2007: The Physical Science Basis. Available online at: https://www.ipcc.ch/report/ar4/wg1/

PG&E 2017 Corporate Resonsibility Report. Available at: https://www.pgecorp.com/corp_responsibility/reports/2017/assets/PGE_CRSR_2017.pdf. Accessed: July 2021.

PG&E 2018 Corporate Responsibility Report. Available at: https://www.pgecorp.com/corp_responsibility/reports/2018/assets/PGE_CRSR_2018.pdf. Accessed: July 2021

PG&E 2019 Corporate Responsibility Report. Available at: https://www.pgecorp.com/corp_responsibility/reports/2019/assets/PGE_CRSR_2019.pdf. Accessed: July 2021

The Climate Registry. Available at: https://www.theclimateregistry.org/our-members/cris-public-reports/. Accessed: July 2021.

SB-100 California Renewables Portfolio Standard Program. Available at: https://leginfo.legislature.ca.gov/faces/billNavClient.xhtml?bill_id=201720180SB100.

Appendix A Table 3a
2026 Mobile Vehicle Emission Factors Inputs
Bridle Gate
Brentwood, CA

Season	Variable	Vehicle Type[1]												
		LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
A	Fleet Mix (%)	0.51	0.037	0.24	0.13	0.028	0.0069	0.013	0.026	0.0019	0.0020	0.0038	5.6E-04	6.9E-04
	Pollutant	**Emission Factor (g/mile or g/trip[2])**												
A	CH4_IDLEX	0	0	0	0	0.0050	0.0029	0.015	0.22	0.0079	0	0	0.088	0
A	CH4_RUNEX	0.0017	0.0048	0.0023	0.0029	0.0069	0.0061	0.010	0.10	0.010	0.43	0.16	0.12	0.010
A	CH4_STREX	0.059	0.10	0.073	0.085	0.020	0.011	0.0080	7.0E-08	0.018	0.011	0.18	0.0044	0.025
A	CO_IDLEX	0	0	0	0	0.19	0.14	0.67	5.2	0.55	0	0	1.6	0
A	CO_RUNEX	0.57	1.2	0.70	0.77	0.79	0.51	0.26	0.70	0.47	5.0	13	0.89	0.85
A	CO_STREX	2.7	4.8	3.3	3.5	2.1	1.2	0.94	0.0026	1.9	1.4	8.1	0.60	2.2
A	CO2_NBIO_IDLEX	0	0	0	0	8.6	14	158	801	88	0	0	187	0
A	CO2_NBIO_RUNEX	240	319	328	394	751	802	1,201	1,557	1,398	1,186	190	1,017	1,666
A	CO2_NBIO_STREX	62	84	83	99	17	9.4	8.0	0.029	16	10	48	3.4	21
A	NOX_IDLEX	0	0	0	0	0.049	0.087	0.85	4.1	0.36	0	0	1.2	0
A	NOX_RUNEX	0.032	0.10	0.053	0.072	0.60	0.74	0.90	1.7	1.0	0.29	0.57	2.1	1.5
A	NOX_STREX	0.22	0.35	0.29	0.35	0.40	0.22	1.4	2.8	0.94	0.10	0.13	0.52	0.30
A	PM10_IDLEX	0	0	0	0	7.3E-04	0.0014	0.0014	0.0021	4.2E-04	0	0	0.0010	0
A	PM10_PMBW	0.0069	0.0089	0.0085	0.0086	0.077	0.090	0.045	0.082	0.050	0.11	0.012	0.045	0.045
A	PM10_PMTW	0.0080	0.0080	0.0080	0.0080	0.0095	0.011	0.012	0.035	0.012	0.029	0.0040	0.011	0.013
A	PM10_RUNEX	0.0011	0.0017	0.0013	0.0013	0.014	0.021	0.0092	0.025	0.017	0.0054	0.0020	0.011	0.030
A	PM10_STREX	0.0018	0.0027	0.0020	0.0020	1.9E-04	7.9E-05	9.3E-05	4.0E-07	1.5E-04	6.0E-05	0.0035	4.2E-05	2.7E-04
A	PM25_IDLEX	0	0	0	0	6.9E-04	0.0013	0.0013	0.0020	4.0E-04	0	0	0.0010	0
A	PM25_PMBW	0.0024	0.0031	0.0030	0.0030	0.027	0.032	0.016	0.029	0.018	0.037	0.0042	0.016	0.016
A	PM25_PMTW	0.0020	0.0020	0.0020	0.0020	0.0024	0.0027	0.0030	0.0088	0.0030	0.0072	0.0010	0.0026	0.0033
A	PM25_RUNEX	0.0010	0.0016	0.0012	0.0012	0.013	0.020	0.0088	0.024	0.016	0.0052	0.0019	0.010	0.028
A	PM25_STREX	0.0017	0.0025	0.0018	0.0018	1.7E-04	7.3E-05	8.6E-05	3.7E-07	1.4E-04	5.5E-05	0.0033	3.8E-05	2.5E-04
A	ROG_DIURN	0.27	0.55	0.27	0.32	0.11	0.058	0.022	9.9E-05	0.074	0.022	2.0	0.027	28
A	ROG_HTSK	0.078	0.15	0.074	0.086	0.028	0.015	0.0054	3.1E-05	0.017	0.0075	3.6	0.0072	7.2
A	ROG_IDLEX	0	0	0	0	0.020	0.015	0.024	0.33	0.043	0	0	0.17	0
A	ROG_RESTL	0	0	0	0	0	0	0	0	0	0	0	0	0
A	ROG_RUNEX	0.0065	0.021	0.0088	0.012	0.081	0.11	0.027	0.017	0.049	0.056	1.1	0.048	0.070
A	ROG_RUNLS	0.026	0.060	0.026	0.032	0.060	0.028	0.013	3.3E-05	0.020	8.5E-04	1.3	0.0082	0.0018
A	ROG_STREX	0.27	0.48	0.33	0.42	0.10	0.053	0.043	3.8E-07	0.093	0.044	1.4	0.025	0.10
A	SO2_IDLEX	0	0	0	0	8.3E-05	1.3E-04	0.0015	0.0070	8.3E-04	0	0	0.0017	0
A	SO2_RUNEX	0.0024	0.0032	0.0032	0.0039	0.0073	0.0077	0.011	0.014	0.013	0.010	0.0019	0.0093	0.016
A	SO2_STREX	6.1E-04	8.3E-04	8.2E-04	0.0010	1.7E-04	9.3E-05	7.9E-05	2.9E-07	1.6E-04	1.0E-04	4.8E-04	3.4E-05	2.1E-04
A	TOG_DIURN	0.27	0.55	0.27	0.32	0.11	0.058	0.022	9.9E-05	0.074	0.022	2.0	0.027	28
A	TOG_HTSK	0.078	0.15	0.074	0.086	0.028	0.015	0.0054	3.1E-05	0.017	0.0075	3.6	0.0072	7.2
A	TOG_IDLEX	0	0	0	0	0.029	0.020	0.042	0.58	0.057	0	0	0.30	0
A	TOG_RESTL	0	0	0	0	0	0	0	0	0	0	0	0	0
A	TOG_RUNEX	0.0094	0.031	0.013	0.017	0.10	0.12	0.041	0.12	0.066	0.49	1.3	0.18	0.090
A	TOG_RUNLS	0.026	0.060	0.026	0.032	0.060	0.028	0.013	3.3E-05	0.020	8.5E-04	1.3	0.0082	0.0018
A	TOG_STREX	0.29	0.53	0.36	0.46	0.11	0.058	0.048	4.1E-07	0.10	0.049	1.5	0.027	0.11

Notes:

1. Emission factors for each fleet mix are based on EMFAC2021 for the Bay Area Air Quality Management District.
2. RUNEX emission factors are in units of g/mile. IDLEX and STREX emission factors are in units of g/trip.

Abbreviations:

A - Annual
CARB - California Air Resources Board
CH_4 - methane
CO_2 NBIO - carbon dioxide, non-biogenic
EMFAC - On-Road Emission Factor Model
g- gram
HHD - heavy-heavy duty trucks
IDLEX - idle exhaust emissions
LDA - light-duty automobiles
LDT - light-duty trucks
LHD1 - light-heavy-duty trucks, 8,501-10,000 lbs
LHD2 - light-heavy-duty trucks, 10,001-14,000 lbs
MCY - motorcycles
MHD - medium-heavy duty trucks
OBUS - other buses
RUNEX - running exhaust emissions
SAFE - Safer Affordable Fuel-Efficient Vehicles
SBUS - school buses
STREX - start exhaust tailpipe emisions
UBUS - urban buses

References:

California Air Resources Board. EMFAC2021. Available online at: https://arb.ca.gov/emfac/emissions-inventory

Appendix A Table 3b
2030 Mobile Vehicle Emission Factors Inputs
Bridle Gate
Brentwood, CA

Season	Variable	Vehicle Type[1]												
		LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
A	Fleet Mix (%)	0.50	0.034	0.24	0.14	0.029	0.0071	0.013	0.026	0.0018	0.0019	0.0037	5.7E-04	6.5E-04
	Pollutant	**Emission Factor (g/mile or g/trip[2])**												
A	CH4_IDLEX	0	0	0	0	0.0043	0.0024	0.016	0.20	0.0078	0	0	0.091	0
A	CH4_RUNEX	0.0013	0.0032	0.0018	0.0021	0.0044	0.0046	0.010	0.078	0.010	0.56	0.15	0.12	0.0061
A	CH4_STREX	0.047	0.073	0.060	0.066	0.017	0.0085	0.0064	4.1E-08	0.015	0.0089	0.16	0.0045	0.023
A	CO_IDLEX	0	0	0	0	0.18	0.13	0.63	5.0	0.57	0	0	1.7	0
A	CO_RUNEX	0.48	0.86	0.61	0.64	0.57	0.40	0.16	0.60	0.32	6.5	12	0.73	0.38
A	CO_STREX	2.2	3.6	2.8	2.8	2.0	1.1	0.70	0.0018	1.6	1.3	8.0	0.59	1.9
A	CO2_NBIO_IDLEX	0	0	0	0	7.9	13	146	725	92	0	0	180	0
A	CO2_NBIO_RUNEX	222	298	306	366	674	723	1,078	1,400	1,293	945	188	951	1,650
A	CO2_NBIO_STREX	57	77	77	92	16	8.2	6.6	0.021	13	9.4	44	3.5	20
A	NOX_IDLEX	0	0	0	0	0.040	0.074	0.74	3.8	0.34	0	0	1.0	0
A	NOX_RUNEX	0.024	0.064	0.039	0.047	0.38	0.52	0.60	1.5	0.89	0.21	0.53	1.4	1.3
A	NOX_STREX	0.19	0.28	0.25	0.28	0.33	0.18	1.2	2.6	0.91	0.079	0.11	0.53	0.30
A	PM10_IDLEX	0	0	0	0	6.9E-04	0.0014	6.3E-04	0.0018	3.1E-04	0	0	7.0E-04	0
A	PM10_PMBW	0.0069	0.0088	0.0085	0.0086	0.075	0.087	0.043	0.082	0.051	0.10	0.012	0.044	0.045
A	PM10_PMTW	0.0080	0.0080	0.0080	0.0080	0.0094	0.011	0.012	0.035	0.012	0.029	0.0040	0.010	0.013
A	PM10_RUNEX	8.6E-04	0.0013	0.0010	0.0010	0.011	0.018	0.0053	0.024	0.014	0.0041	0.0020	0.0082	0.025
A	PM10_STREX	0.0015	0.0021	0.0017	0.0016	1.3E-04	5.3E-05	7.7E-05	2.1E-07	1.3E-04	5.7E-05	0.0034	4.4E-05	2.3E-04
A	PM25_IDLEX	0	0	0	0	6.6E-04	0.0013	6.1E-04	0.0017	3.0E-04	0	0	6.7E-04	0
A	PM25_PMBW	0.0024	0.0031	0.0030	0.0030	0.026	0.031	0.015	0.029	0.018	0.034	0.0042	0.015	0.016
A	PM25_PMTW	0.0020	0.0020	0.0020	0.0020	0.0023	0.0026	0.0030	0.0088	0.0030	0.0072	0.0010	0.0026	0.0033
A	PM25_RUNEX	7.9E-04	0.0012	9.2E-04	9.0E-04	0.010	0.017	0.0051	0.023	0.014	0.0039	0.0019	0.0078	0.024
A	PM25_STREX	0.0014	0.0019	0.0015	0.0015	1.2E-04	4.9E-05	7.1E-05	2.0E-07	1.2E-04	5.2E-05	0.0032	4.1E-05	2.1E-04
A	ROG_DIURN	0.24	0.49	0.24	0.28	0.087	0.046	0.016	4.8E-05	0.072	0.018	1.9	0.034	20
A	ROG_HTSK	0.065	0.13	0.062	0.070	0.021	0.011	0.0036	1.4E-05	0.015	0.0051	3.6	0.0078	4.8
A	ROG_IDLEX	0	0	0	0	0.018	0.013	0.021	0.31	0.043	0	0	0.18	0
A	ROG_RESTL	0	0	0	0	0	0	0	0	0	0	0	0	0
A	ROG_RUNEX	0.0045	0.013	0.0065	0.0079	0.056	0.086	0.015	0.015	0.038	0.044	1.0	0.036	0.052
A	ROG_RUNLS	0.023	0.052	0.024	0.028	0.046	0.022	0.0095	1.5E-05	0.020	8.4E-04	1.4	0.010	0.0012
A	ROG_STREX	0.21	0.36	0.27	0.31	0.079	0.040	0.033	2.2E-07	0.077	0.034	1.2	0.025	0.088
A	SO2_IDLEX	0	0	0	0	7.7E-05	1.2E-04	0.0013	0.0063	8.6E-04	0	0	0.0016	0
A	SO2_RUNEX	0.0022	0.0029	0.0030	0.0036	0.0066	0.0070	0.010	0.013	0.012	0.0073	0.0019	0.0087	0.016
A	SO2_STREX	5.6E-04	7.6E-04	7.6E-04	9.1E-04	1.6E-04	8.1E-05	6.5E-05	2.0E-07	1.3E-04	9.3E-05	4.4E-04	3.5E-05	2.0E-04
A	TOG_DIURN	0.24	0.49	0.24	0.28	0.087	0.046	0.016	4.8E-05	0.072	0.018	1.9	0.034	20
A	TOG_HTSK	0.065	0.13	0.062	0.070	0.021	0.011	0.0036	1.4E-05	0.015	0.0051	3.6	0.0078	4.8
A	TOG_IDLEX	0	0	0	0	0.025	0.017	0.040	0.54	0.056	0	0	0.31	0
A	TOG_RESTL	0	0	0	0	0	0	0	0	0	0	0	0	0
A	TOG_RUNEX	0.0066	0.019	0.010	0.012	0.068	0.10	0.027	0.095	0.053	0.61	1.2	0.16	0.064
A	TOG_RUNLS	0.023	0.052	0.024	0.028	0.046	0.022	0.0095	1.5E-05	0.020	8.4E-04	1.4	0.010	0.0012
A	TOG_STREX	0.23	0.39	0.29	0.34	0.086	0.044	0.037	2.4E-07	0.085	0.037	1.3	0.028	0.10

Notes:

1. Emission factors for each fleet mix are based on EMFAC2021 for the Bay Area Air Quality Management District.
2. RUNEX emission factors are in units of g/mile. IDLEX and STREX emission factors are in units of g/trip.

Abbreviations:

A - Annual
CARB - California Air Resources Board
CH_4 - methane
CO_2 NBIO - carbon dioxide, non-biogenic
EMFAC - On-Road Emission Factor Model
g- gram
HHD - heavy-heavy duty trucks
IDLEX - idle exhaust emissions
LDA - light-duty automobiles
LDT - light-duty trucks
LHD1 - light-heavy-duty trucks, 8,501-10,000 lbs
LHD2 - light-heavy-duty trucks, 10,001-14,000 lbs
MCY - motorcycles
MHD - medium-heavy duty trucks
OBUS - other buses
RUNEX - running exhaust emissions
SAFE - Safer Affordable Fuel-Efficient Vehicles
SBUS - school buses
STREX - start exhaust tailpipe emisions
UBUS - urban buses

References:

California Air Resources Board. EMFAC2021. Available online at: https://arb.ca.gov/emfac/emissions-inventory

Appendix A Table 4
Entrained Dust and Silt Loading in Contra Costa County
Bridle Gate
Brentwood, CA

Entrained Roadway Dust Constants for Contra Costa County		
Roadway Category	**Silt Loading[1] (g/m^2)**	**Travel Fraction[1]**
Freeway	0.015	50%
Major	0.032	37%
Collector	0.032	9%
Local	0.32	4%
Weighted Silt Loading Factor	0.035	100%

Road Dust Equation[2]

E [lb/VMT] = k*(sL)^0.91 * (W)^1.02 * (1-P/4N)

Parameters	**Value**
k = particle size multiplier for particle size range	
PM_{10} (lb/VMT)	0.0022
$PM_{2.5}$ (lb/VMT)	3.3E-04
sL = roadway silt loading [grams per square meter - g/m^2]	0.035
W = average weight of vehicles traveling the road [tons]	2.4
P = number of "wet" days in county with at least 0.01 in of precipitation during the annual averaging period	65
N = number of days in the averaging period	365

Entrained Road Dust Emission Factors	
PM_{10} Emission Factor [lb/VMT]	2.4E-04
$PM_{2.5}$ Emission Factor [lb/VMT]	3.6E-05

Notes:

1. Travel fraction by roadway category and silt loading are from the ARB's March 2021 update to Entrained Road Travel Emission Inventory Source Methodology, Tables 2 and 4, respectively.
2. Road dust equation and parameters are from the California Air Resources Board's (ARB) March 2021 Miscellaneous Process Methodology 7.9 for Entrained Road Travel, Paved Road Dust. The silt loading emission factor assumes Contra Costa county default roadway fractions and silt loading levels from ARB 2021. The number of "wet" days for Contra Costa county is 65 from ARB 2021. Other parameters (average weight of vehicles, size multipliers) are from ARB 2021. $PM_{2.5}$ is assumed to be 15% of PM_{10} based on paved road dust sampling in California (ARB Speciation Profile #471), which is a more representative fraction than provided in the older AP-42 fugitive dust methodology as discussed in ARB 2021 (PDF pages 17 and 36).

Abbreviations:

ARB - California Air Resources Board
CalEEMod® - California Emissions Estimator Model
EMFAC - EMission FACtor Model
g - gram
lb - pound
m - meter
$PM_{2.5}$ - particulate matter less than 2.5 microns
PM_{10} - particulate matter less than 10 microns
VMT - vehicle miles traveled

References:

California ARB. 2021. Miscellaneous Processes Methodologies - Paved Entrained Road Dust. Available online at: https://ww3.arb.ca.gov/ei/areasrc/fullpdf/2021_paved_roads_7_9.pdf

California Air Pollution Control Officers Association (CAPCOA). California Emissions Estimator Model (CalEEMod), Version 2020.4.0. Available online at http://www.caleemod.com/

EPA. 2006. AP42, Fifth Edition ,Volume 1. Chapter 13: Miscellaneous Sources, 13.2.1 Paved Roads. Available online at: https://www3.epa.gov/ttn/chief/ap42/ch13/final/c13s0201.pdf

Appendix A Table 5
Details on GHG Reductions from Regulations, Project Design Features, and Mitigation Measures
Bridle Gate
Brentwood, CA

#	Category	Description	Assumptions	GHG Reduction ($MT CO_2e/yr$)	Notes	Scoping Plan Local Action?
1	Energy	Energy Star[1]	Energy efficient appliances are installed	3.2		
2	Energy	Zero Net Electricity Low-Rise Residences[2]	All single family homes and low-rise apartments achieve Zero Net Electricity	146	2019 Title 24 requirement.	X
3	Energy	No-NOx space and water heating	All structures within the project site shall be developed with water heating and space heating systems that do not result in the emission of NO_x. No-NO_X systems are typically all-electric.	291	Assumes that water and space heating are replaced with electric appliances served with grid-average electricity. Calculations are shown in Appendix A Tables 7 and 8.	
4	Energy	Design for All-Electric Retrofits	Design structures with the infrastructure necessary to allow for the conversion of all natural gas appliances to all-electric equivalents.	-	Conservatively, no GHG benefit has been quantified due to uncertainty on when retrofits would occur.	
5	Mobile	Traffic Calming and Connectivity[1]	Traffic calming features at 25 percent of streets and intersections, the Project's extensive bicycle and pedestrian network and connectivity on-site and off-site	103	Calculated in CalEEMod.	
6	Mobile	Residential Electric Vehicles	Install electric vehicle charging station outlets in all single family garages.	460	Assumes Level 2 charging (standard 30-40A, 220V). This assumes 25% of single family residential miles are driven in EVs by 2030. Details are shown in Appendix A Table 9.	X
7	Area	Electrify landscaping equipment[1]	Provide outdoor electrical outlets to allow for use of electrically powered landscaping equipment at all residences and commercial developments within the project site.	1.1	Quantified using CalEEMod. No further reduction was included to account for the inclusion of outside electrical outlets.	X
8	Waste	Institute Recycling & Composting Services[1]	Divert additional solid waste from landfills	86	An additional 50% diversion from CalEEMod default rates is reflected in the Mitigated Scenario, which is based on Statewide historical data with a target 50% diversion rate. AB 341 requires 75% diversion by 2020. Chapter 8.16 of the City's Municipal Code requires that all property owners maintain a subscription for refuse collection. Refuse collection is provided by the City of Brentwood's Solid Waste Division, which includes green waste collection. Acceptable green wastes include yard clippings, uncooked food, branches, and other forms of yard waste.	X
9	Water	Water Efficient/Drought Tolerant Landscaping[1]	Reduce outdoor water consumption	0.8	Landscaping within the project site would be required to comply with the CALGreen code and all water efficiency measures therein, including the MWELO regulations adopted by the City if Brentwood in Section 17.630.010 of the Brentwood Municipal Code. This assumes a 20% reduction in outdoor water consumption, which is reflected in the mitigated CalEEMod scenario.	
10	Water	Low-Flow Fixtures[3]	Use low-flow for all interior water fixtures (toilets, kitchen and bathroom sink faucets)	1.3	The Project would be required to comply with the water efficiency regulations within CALGreen. This assumes a 20% reduction in indoor water consumption.	X
11	Construction	Renewable Diesel	Use renewable diesel to fuel construction fleets	156	100% of off-road construction emissions, 30-year amortized	X
12	Vegetation	Urban Forestry/Sequestration	Plant trees throughout the Project site	6.7	Assumes a minimum of 286 net new trees will be planted.	X
			Unmitigated Project Emissions	3,110		
			Reductions Needed to Achieve BAAQMD 2030 Service Population Threshold	855		
			Emissions Reductions from Regulatory Measures, Project Design Features, and Mitigation	1,256	As summarized above; this exceeds the required reductions.	
			Remaining Emissions	1,854		
			Remaining Emissions Exceed Threshold?	No		

Notes:
1. Quantified using CalEEMod® version 2020.4.0. CalEEMod outputs are included in Appendix C.
2. Calculated using CalEEMod® inputs and outputs in Excel.
3. Calculated using CalEEMod® methodology in Excel, as shown in Appendix A tables.

Abbreviations:
BAAQMD - Bay Area Air Quality Management District
CalEEMod - California Emissions Estimator Model
CO2e - carbon dioxide equivalents
GHG - greenhouse gas

Appendix A Table 6
Reductions from Reduced Indoor Water Consumption
Bridle Gate
Brentwood, CA

Category		Project
Total Indoor Water Use (Mgal/yr)[1]		19
Reduction due to CalGreen (Low-Flow Fixtures)[2]		20%
Electricity Intensity Factors (kWh/Mgal)[3]	Supply	2,117
	Treat	111
	Distribute	1,272
	Treat Wastewater	1,911
Reduction in Total Annual Energy Use (kWh/yr)[4]		20,166
Electricity Intensity Factor[5]	lbs CO_2e/MWh	147
Total GHG Emissions Reduction (MT CO_2e/yr)[6]		1.3

Notes:

Indoor water usage is from the CalEEMod outputs.

CalEEMod® is meant to assume reductions ranging from 20% to 35%, but due to an error within the CalEEMod programming, it does not calculate any reductions due to this measure; therefore, this has been conservatively calculated here.

CalEEMod® default assumptions are used for average embodied energy for the supply, treatment and distribution of water, as well as treatment of wastewater, for Northern California.
For potable water, the water use is multiplied by the sum of the electricity intensity factors to supply, treat and distribute the water and treat the resulting wastewater.

California emission factors presented here are 60% projected RPS for 2030 consistent with SB 100. Available at:
https://leginfo.legislature.ca.gov/faces/billNavClient.xhtml?bill_id=201720180SB100

GHG emissions reductions were calculated by multiplying the annual energy use by the electricity intensity factor and then by the reduction due to CalGreen. This calculation conservatively excludes the direct GHG emissions reductions that would result from less wastewater treatment.

Abbreviations:

CalEEMod® - CALifornia Emissions Estimator MODel
CH_4 - methane
CO_2 - carbon dioxide
CO_2e - carbon dioxide equivalents
GHG - greenhouse gases
kWh - kilowatt-hour
lb - pound
Mgal - million gallons
MWh - megawatt-hou
MT - metric tonnes
RPS - Renewables Por
SB - Senate Bill
yr - year

Appendix A Table 7
Electricity and Natural Gas End Use Proportions
Bridle Gate
Brentwood, CA

Residential Energy Use Categories[1]

Gas[2]	**Appliance Group**	**Percent of Primary Natural Gas Energy Uses**
		Single Family Units
	Water Heaters	47%
	Conventional Heat	44%
	Cooking (Oven + Cooktop)	9%
	Total (Water Heater, Conventional Heat, & Cooking)	100%
Electric	**Appliance Group**	**Energy Use per Dwelling Unit (kWh/DU/year)**
		Single Family Units
	Water Heaters	3,169
	Conventional Heat	1,171
	Cooking (Oven + Cooktop)	310
	Total (Water Heater, Conventional Heat, & Cooking)[3,4]	**4,650**

Notes

1. Residential energy consumption data is provided per appliance type by the California Energy Commission (CEC) 2009 Residential Appliance Saturation Study. The CEC began an updated survey in 2019, but results are not yet publicly available.

2. Natural Gas Energy Consumption estimates are presented only for homes with natural gas billing data. Due to variability in saturation rates of other natural gas appliances (e.g., spa heaters, auxiliary heating, gas dryers), these totals are assumed to sum to 100% for use in this methodology. If the projects only electrify certain appliances and therefore use these percentages to calculate reductions from CalEEMod defaults, this is assumed to be a reasonable representation because the current Title 24 Building Energy Efficiency Standards are expected to reduce natural gas use more than what is reflected in the CalEEMod defaults.

3. For projects that commit to one or more of the appliance groups to be electric, the electricity use can be increased by just the rate shown for the relevant appliance groups and the natural gas use can be reduced by the percent of natural gas from the appliance groups shown above.

4. Space heating and water heating are included in the Title 24 electricity and Title 24 natural gas energy usage categories of CalEEMod, while cooking and appliances are included in the non-title 24 electricity and natural gas energy usage categories.

Abbreviations

CalEEMod - California Emissions Estimator Model
DU - Dwelling Unit
kBTU - thousand British Thermal Units
kWh - kilowatt-hour
ksf - thousand square feet

References

California Commercial End Use Survey, Annual Summary Statistics. Accessed February 2020. Available online at http://capabilities.itron.com/CeusWeb/Chart.aspx

2009. California Energy Commission. California Residential Appliance Saturation Study, Volume 2: Study Results. Accessible online at https://webtools.dnvgl.com/RASS2009/Uploads/2009_RASS_Volume%202_FINAL_101310.pdf

Appendix A Table 8

Reductions from Electric Space and Water Heating; and Potential Additional Reduction for All-Electric Buildings

Bridle Gate

Brentwood, CA

.

Project Reduction in Natural Gas Usage and Resulting Electricity Consumption

Land Use	Amount	2019 Title 24-Adjusted CalEEMod Default NG Usage (kBTU/unit/yr)[1]	Natural Gas Reduction (MMBTU/yr)[1]		Additional Electricity Usage (MWh/yr)[1]	
			All-Electric[3]	Mitigated Project[3]	All-Electric[3]	Mitigated Project[3]
Single Family Housing	286 DU	26,630	7,616	6,955	1,330	1,241
City Park	4 acre	0	0	0	0	0

Estimated Emissions

CalEEMod® Land Use	GHG Emissions (MT CO_2e/yr)					
	Emissions for All-Electric Buildings[2,3]			Mitigated Project Emissions		
	Reduction from Natural Gas	Emissions from Additional Electricity	Net Emissions Reduction for All-Electric	Reduction from Natural Gas	Emissions from Additional Electricity	Net Emissions Reduction from Project
Single Family Housing	409	89	320	373	83	291
City Park	0	0	0	0	0	0
Total	**409**	**89**	**320**	**373**	**83**	**291**

Notes:

1. Energy use rates are consistent with CalEEMod default estimates and incorporate 2019 Title 24. The reduction in natural gas usage and corresponding increase in electricity usage are estimated based off of the natural gas end use analysis shown in Appendix A Table 7, which is the same methodology recently promulgated by the SMAQMD.
2. The natural gas emission factor is from CalEEMod® 2020.4.0. The electricity intensity is shown in Appendix A Table 2.
3. The Mitigated Project will include all-electric space and water heating. Emissions reductions for an all-electric project (e.g., removing cooking and miscellaneous other natural gas end uses) are also calculated here to support the potential for the Alternative Mitigation Measure.

Abbreviations:

BMP - Best Management Practice
CalEEMod - California Emissions Estimator Model
CO_2e - carbon dioxide equivalent
DEIR - Draft Environmental Impact Report
DU - dwelling unit
GHG - greenhouse gas
kBTU - 1,000 British Thermal Units
MMBtu - 1,000,000 British Thermal Units
MT - metric tons
MWh - megawatt-hour
NG - natural gas
SMAQMD - Sacramento Metropolitan Air Quality Management District
TSF - thousand square feet
yr - year

Appendix A Table 9
Reductions from Electric Vehicle Charging Infrastructure in Single Family Homes
Bridle Gate
Brentwood, CA

Estimating GHG Emissions Reduction from Replacement of Gasoline Vehicle with Electric Vehicle		
PG&E Electricity Emission Factor[1]	0.066	(MT CO_2/MWh)
Fuel Economy of Electric Vehicle[2]	0.25	(KWh/mile)
Electric Vehicle GHG Emissions	16	(gms/mile)
GHG Emissions for the Residential Miles Traveled as Estimated by CalEEMod®[3]	328	(gms/mile)
GHG Emissions Reduction from Additional Electric Vehicles, per mile	311	(gms/mile)
Estimating Project Residential-Related Traffic GHG Emissions		
	Project	
Single Family Residential Average Yearly VMT, Mitigated[4]	5,917,516	(miles/year)
Percent of Single Family Residential Miles Driven in Electric Vehicles due to This Measure[5]	25%	
Residential VMT that is Displaced by EVs due to This Measure	1,479,379	(miles/year)
Estimated Benefit from Residential EV Chargers		
GHG Emissions Reduction from Residential Electric Vehicles[6]	460	(MT CO_2/year)

Notes:

CO_2e intensity factor for PG&E accounts for the 60% projected RPS for 2030 consistent with SB 100.

National Renewable Energy Laboratory (NREL). 2018. California Plug-In Electric Vehicle Infrastructure Projections: 2017-2025 (Table C.1). Available at: https://www.nrel.gov/docs/fy18osti/70893.pdf. Accessed: May 2020.

The emissions factor is consistent with the CalEEMod® input (EMFAC2021), and includes default reductions for the ACC Program and Pavley Standards. This conservatively evaluates running emissions for CO_2 only; if starting and idling emissions and CH_4 and N_2O were included, the emission factor would increase. To ensure that the Project mitigation's emissions reduction benefit does not take credit for EVs that EMFAC2021 already forecasts will be part of the vehicle fleet, the emissions factor and emissions inventory includes the existing EVs. CalEEMod® conservatively includes medium- and heavy-duty vehicle emissions factors proportional to EMFAC2021's default fleet mix when calculating mobile emissions for all land use types.

From CalEEMod® modeling for the Mitigated Inventory shown in Appendix C.

EVs are proliferating at a much faster pace than predicted in EMFAC. Access to home charging is a key factor in the decision to purchase an EV; therefore, the availability of a 30-40 amp, 220-volt outlet to support a Level 2 charger in each of the garages at the Project site will incentivize further EV preference. This assumes that and additional 25% of VMT associated with the single family residences is driven in an EV by full buildout, which could be achieved by many scenarios (e.g., ranging from 50% of homes have 1 EV that they use for half of their driving to 25% of homes drive exclusively EVs by 2030).

Calculated by multiplying the GHG reduction per mile from additional EVs by the miles displaced by EVs due to this measure.

Abbreviations:

ACC - Advanced Clean Cars
CalEEMod® - CALifornia Emissions Estimator MODel
CH_4 - methane
CO_2 - carbon dioxide
CO_2e - carbon dioxide equivalents
EMFAC - Emissions Factor Model
EV - electric vehicle
g/gms - gram
GHG - greenhouse gases
kWh - kilowatt-hour
MT - metric tonnes
MWh - megawatt-hour
N_2O - nitrous oxide
PG&E - Pacific Gas & Electric
RPS - Renewables Portfolio Standard
SB - Senate Bill
VMT - vehicle miles traveled

Appendix A Table 10
Details on GHG Reductions from Alternative Mitigation Measures
Bridle Gate
Brentwood, CA

#	Category	Description	Assumptions	Reduction	Notes
				MT/ CO_2e/yr	
1[1]	Energy	No Natural Gas - Residential	Assumes the remaining natural gas is removed and replaced by zero-carbon energy sources.	30	Removes the remaining emissions from natural gas; this is additive with the mitigation measure for electric space and water heating.
2	Construction	Electric Construction Equipment	Increase use of electric powered construction equipment	7.2	10% of off-road construction emissions from DEIR CalEEMod output, 30-year amortized. Alternative to renewable diesel (not additive)
3	Construction	Grid power	Utilize grid power for electric energy rather than operating temporary gasoline/diesel powered generators	5.2	Replace all construction emergency generators with carbon-free electricity, 30-year amortized Alternative to renewable diesel (not additive)
4	Vegetation	Urban Forestry	Additional tree planting	24	Per 1,000 trees

Notes:

1. Calculated by subtracting the benefits of electric water and space heating from the benefits of an all-electric building as shown in Appendix A Table 8.

Abbreviations

BAAQMD - Bay Area Air Quality Management District
CalEEMod - California Emissions Estimator Model
CAPCOA - California Air Pollution Control Officers Association
CO2e - carbon dioxide equivalents
DEIR - Draft Environmental Impact Report
EV - electric vehicle
GHG - greenhouse gas
MM - Mitigation Measure
MT - metric tons
yr - year

References:

CalEEMod® 2020.4.0 Available Online at: http://www.caleemod.com

Appendix A Table 11
Summary of Potential Project Features That Were Not Quantified
Bridle Gate
Brentwood, CA

Category	Description	Assumptions	Scoping Plan Local Action?
Energy	Orient buildings to maximize passive solar heating.	This will reduce energy consumption. However, as building orientation is already included in Title 24, Part 6 building energy modeling software, it may be used for code compliance and therefore no additional benefit can been quantified without building-specific modeling.	
Energy	Require the installation of energy conserving appliances such as on-demand tankless water heaters and whole-house fans.	This will reduce energy consumption. However, as these systems are already included in Title 24, Part 6 building energy modeling software, it may be used for code compliance and therefore no additional benefit can been quantified without building-specific modeling.	X
Energy	Require each residential and commercial building to equip buildings with energy efficienc AC units and heating systems with programmable thermostats/timers.	This will reduce energy consumption. However, as these systems are already included in Title 24, Part 6 building energy modeling software, it may be used for code compliance and therefore no additional benefit can been quantified without building-specific modeling.	X
Energy	Require large-scale residential developments and commercial buildings to report energy use, and set specific targets for per-capita energy use.	This benefit would be speculative and uncertain with overlap with other energy reduction measures.	X
Energy	Achieve third-party green building certifications, such as the GreenPoint Rated program, LEED rating system, the Living Building Challenge, or equivalent programs	This will reduce energy consumption. However, given the large number of options to achieve these types of compliance and overlap with Title 24, no additional benefit can been quantified without building-specific modeling.	X
Energy	Require the use of energy-efficient lighting for all street, parking, and area lighting.	While the current version of Title 24, Part 6 requires the use of high-efficacy lighting, street and area lighting are not quantified in CalEEMod and therefore no additional reduction can be incorporated.	X
Energy	Include energy storage, where appropriate	This will enhance the effectiveness of solar PV or zero net electricity measures. However, there are not enough specifics known about this measure to quantify. The quantity and types of storage used as well as the time of day of storage would need to be known.	
Construction	Use construction fleets that are lower emitting than any current emission standard	The use of lower-emitting construction equipment (e.g., USEPA/CARB Tier 4 standard) reduces criteria air pollutants and diesel particulate matter; however, it does not reduce GHG emissions and therefore no additional benefit can be quantified.	X
Construction	Require construction vehicles to operate with the highest tier engines commercially available	The use of lower-emitting construction equipment (e.g., USEPA/CARB Tier 4 standard) reduces criteria air pollutants and diesel particulate matter; however, it does not reduce GHG emissions and therefore no additional benefit can be quantified.	X
Construction	Enforce idling time restrictions for construction vehicles	This is already assumed in the emissions modeling, as it is a state regulation.	X
Construction	Divert and recycle construction and demolition waste, and use locally-sourced building materials with a high recycled material content.	There are not enough specifics known about this measure to quantify. We would have to know the quantity of recycled or refurbished materials being incorporated. Where the non recycled was being sourced from, where the recycled is being sourced from, etc. We do not quantify lifecycle emissions.	X

Abbreviations
CalEEMod - California Emissions Estimator Model
GHG - greenhouse gas
LEED - Leadership in Energy and Environmental Design
MM - Mitigation Measure
PV - photovoltaics

APPENDIX B
HEALTH RISK ASSESSMENT

RAMBOLL

ENVIRONMENT
& HEALTH

APPENDIX B: MEMO

Date: **March 7, 2023**

To: **Louis Parsons, Discovery Builders**

From: **Shari Beth Libicki, PhD**

Subject: **UPDATED HEALTH RISK ANALYSIS FOR PROPOSED BRIDLE GATE DEVELOPMENT IN BRENTWOOD, CALIFORNIA**

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www.ramboll.com

Ramboll US Consulting, Inc (Ramboll) conducted an updated health risk assessment (HRA) for the construction and operation associated with the revised Bridle Gate Project (the "Project") in a currently undeveloped portion of the City of Brentwood. Ramboll has prepared a quantitative HRA that concludes that the Project would have less-than-significant health risks.

The Revised Project is a proposed development located in Brentwood, California and will consist of the following:

- 286 single-family homes, and a
- 2 Public parks

The Project Area location, as well as surrounding receptors and sensitive receptor locations, is presented in **Figure 1**.[1]

We understand that once operational, the only source of air emissions from the Project is mobile sources (i.e., traffic). This analysis performs refined modeling for air emissions and associated health impacts from construction sources, a screening-level assessment of the health impacts of Project operational mobile emissions, and a cumulative assessment of existing nearby emissions sources. **The updated HRA analysis concludes that all risk impacts are below the threshold of significance.**

CEQA THRESHOLDS OF SIGNIFICANCE

The City of Brentwood (the City) is the lead agency responsible for Project approval. Per City guidelines, Ramboll evaluated the Project in accordance with the current Bay Area Air Quality Management District (BAAQMD) CEQA Guidelines,

[1] As shown in Figure 1, the area analyzed for potential health risk impacts includes additional area in the northeast of the project site that was evaluated in a previous, larger iteration of the Project. This is a conservative approach, as it means that the evaluated zone of impact to potential receptors is farther than the current proposed construction boundary.

which were updated in May 2017.[2] These guidelines present methods for evaluating compliance with CEQA as well as thresholds for determining significance. With respect to the Project, the BAAQMD thresholds of significance for construction, operational, and cumulative risks and hazards are as follows:

BAAQMD CEQA Thresholds of Significance	
Other Impacts	**Construction or Operational-Related Thresholds**
Risks and Hazards for New Sources and Receptors (Individual Project)	Compliance with Qualified Community Risk Reduction Plan OR Increased cancer risk of >10.0 in a million Increased non-cancer risk of > 1.0 HI (chronic or acute) Ambient $PM_{2.5}$ increase: > 0.3 µg/m^3 annual average
Risks and Hazards for New Sources and Receptors (Cumulative Threshold)	Compliance with Qualified Community Risk Reduction Plan OR Increased cancer risk of >100 in a million (from all local sources) Increased non-cancer risk of >10 HI (from all local sources) (chronic) Ambient $PM_{2.5}$ increase: > 0.8 µg/m^3 annual average (from all local sources) Zone of Influence: 1,000-foot radius from fence line of source or receptor
Abbreviations: HI = hazard index $PM_{2.5}$ = particulate matter less than 2.5 micrometers in diameter µg/m^3 = micrograms per cubic meter	

This Technical Memorandum evaluates Project health risks and hazards with respect to these BAAQMD thresholds of significance.

METHODOLOGY

Construction-Related TAC Emissions

The purpose of the current analysis is to assess the potential human health risk on the surrounding off-site receptors from the project's construction and operation and $PM_{2.5}$ concentration, including fugitive dust. For the original Draft Environmental Impact Report (DEIR) preparation, CalEEMod® (California Emissions Estimator Model) was used by the City's consultant Raney to develop the construction CAP emissions inventory in evaluating a previous, larger iteration of the Project.[3] Since the original analysis, two new versions of CalEEMod® have been released by the Air Resources Board

[2] BAAQMD. 2017. California Environmental Quality Act (CEQA) Air Quality Guidelines. May. Available online at: http://www.baaqmd.gov/~/media/files/planning-and-research/ceqa/ceqa_guidelines_may2017-pdf.pdf?la=en

[3] Software and User's Guide available publicly at www.caleemod.com. Version 2016.3.2.

(ARB); the most recent version is CalEEMod® 2022.1.0 was referenced and used for this reanalysis.[4] Ramboll used the construction activity assumptions from the original DEIR and CalEEMod® equivalent methodology to estimate off-road and on-road toxic air contaminant (TAC) emissions.

Ramboll updated the construction schedule (as shown in **Table 1**) and replaced the fleet-averaged emission factors from the CalEEMod® default equipment emission factors with emission factors that more accurately depict the off-road fleet that will be used based on data from Discovery Builders' construction contractors. Ramboll received a comprehensive list of all equipment owned and operated by the contractors the project proponent typically uses for these types of development, and used the emission factor associated with this tier to estimate construction emissions. The construction tiers derived from this evaluation are shown in **Table 2**. Construction trips and trip lengths are CalEEMod defaults for Contra Costa county for worker and vendor trips and are presented in **Table 3**.

The emission factors used by CalEEMod® in the DEIR for on-road vehicles are based on the ARB EMFAC2014 program. Since the project submittal and the last release of CalEEMod®, ARB released the EMFAC2021 version that includes various updates, notably the incorporation of USEPA and ARB regulations and standards (e.g., the Truck and Bus Rule). To more accurately estimate the TAC emission rates, EMFAC2021 was incorporated into the analysis. [5] Additionally, the DEIR estimates a 7.3-mile trip vendor trip length. Of this, 0.85 miles of State Route 4 (SR-4) are assumed to represent emissions that could impact receptors that could also be impacted by the on-site off-road equipment and are modelled, so emissions were estimated over 0.85 miles. **Figure 1** shows the 0.85 mile distance of SR-4, which extends from the northernmost to southernmost off-site sensitive receptor.

The TAC emissions associated with the Project construction were estimated from the CalEEMod® outputs, with the following conservative assumptions:

1. Diesel Particulate Matter (DPM): DPM emissions were used to evaluate the cancer risk and non-cancer chronic HI from Project construction. In this analysis, both onsite (i.e., construction equipment) and local offsite (i.e., construction mobile sources) PM_{10} exhaust emissions were calculated as DPM.[6,7] Diesel exhaust, a complex mixture that includes hundreds of individual constituents, is identified by the State of California as a known carcinogen.[8,9] Under California regulatory guidelines, DPM is used as a surrogate measure of exposure for the mixture of chemicals that make up diesel exhaust as a whole. Cal/EPA and other proponents of using the surrogate approach to quantifying excess lifetime cancer risks associated with the diesel mixture indicate that this method is preferable to use of a component-based approach because it provides a protective approach to estimating health risks. A component-based approach involves estimating risks for each of the individual components of a mixture. Critics of the component-based approach believe it will underestimate the risks associated with diesel as a whole mixture because the identity of all chemicals in the mixture may not be known and/or exposure and health effects information for all chemicals identified within the mixture may not be available. Furthermore, Cal/EPA has concluded that "potential cancer risk from inhalation exposure to whole diesel exhaust

[4] Software and User's Guide available publicly at www.caleemod.com. Version 2022.1.0.

[5] California Air Resources Board. EMFAC2021. https://arb.ca.gov/emfac/

[6] Local offsite (mobile source) emissions were scaled from the emissions estimated in CalEEMod® by the ratio of modeled road length to default trip length.

[7] On-road construction worker trips are primarily gasoline-fueled which contribute negligible TAC emissions and are therefore not included in the HRA analysis.

[8] Cal/EPA, OEHHA. 1998. Findings of the Scientific Review Panel on The Report on Diesel Exhaust, as adopted at the Panel's April 22, 1998, meeting.

[9] Cal/EPA, OEHHA. 2018. OEHHA/ARB Consolidated Table of Approved Risk Assessment Health Values. May. Available at: https://www.arb.ca.gov/toxics/healthval/contable.pdf. Accessed: February 2, 2022.

will exceed the multi-pathway cancer risk from the speciated components".[10] This analysis was based on the surrogate approach, as recommended by Cal/EPA. This analysis also conservatively assumed the small fraction of non-diesel PM_{10} (i.e., PM_{10} emissions from gasoline fueled or natural gas fueled vehicles in the CalEEMod® default vendor fleet) was DPM, which has greater human health impacts than the speciated components of other fuels.[11]

2. $PM_{2.5}$: $PM_{2.5}$ concentration due to Project construction was evaluated based on exhaust $PM_{2.5}$ emissions as well as fugitive $PM_{2.5}$ emissions associated with road dust, grading, and bulldozing activities. Fugitive dust is generated by various construction activities and can contribute to $PM_{2.5}$ emissions.

    a. Entrained Dust: Vehicular travel on paved road can generate resuspended road dust. The entrained road dust emission factor was updated based on CARB's 2021 Miscellaneous Process Methodology 7.9 for entrained road travel, paved road dust, and CalEEMod defaults for Contra Costa County. Roadway silt loading for Contra Costa County is presented in **Table 4**. **Table 5** and **Table 6** show the calculation of the entrained dust emission factor and total emissions, respectively.

    b. Grading fugitive dust: Grading fugitive dust is generated by grading equipment (e.g., excavators, graders, scrapers). Grading fugitive dust emissions were calculated using VMT-based emission factors and project maximum area disturbed, based on CalEEMod methodology, as shown in **Table 7**.

    c. Bulldozing fugitive dust: Bulldozing fugitive dust is generated by the dozing activities during site preparation and grading. Bulldozing fugitive dust emissions were calculated using VMT-based emission factors and project-specific bulldozing equipment usage, based on CalEEMod methodology, as shown in **Table 8**.

Ramboll conservatively evaluated health impacts for the maximum development scenario, which represents construction and buildout of the entire site, although at this time the contemplated Project only includes a portion of this area; this analysis therefore overestimates emissions and impacts compared to what would be expected. Total modelled emissions, and the sources they were attributed to, are presented in **Table 9**.

Construction Health Risk Assessment

Ramboll characterized cancer risk, non-cancer chronic hazard index (HI), and $PM_{2.5}$ concentration associated with construction risks by estimating ambient air concentrations of DPM and $PM_{2.5}$ within 1,000 feet of the Project. This boundary represents the "zone of influence" recommended for the cumulative evaluation of a project in the BAAQMD CEQA Guidelines. Acute non-cancer health effects were not estimated, as the only TAC evaluated is DPM, which does not have acute health impacts. This is standard practice and consistent with the current OEHHA guidance. While individual speciated components of DPM might have acute health impacts, the cancer impacts associated with DPM will

[10] Cal/EPA, OEHHA. 2015b. Air Toxics Hot Spots Program Risk Assessment Guidelines. Guidance Manual for Preparation of Health Risk Assessments. Appendix D: Risk Assessment Procedures to Evaluate Particulate Emissions from Diesel-Fueled Engines. February. Available at: https://oehha.ca.gov/media/downloads/crnr/2015gmappendices.pdf. Accessed: February 2, 2022.

[11] A comprehensive analysis of human health impacts associated with diesel and gasoline exhaust by the International Agency for Research on Cancer (IARC) found that while there is sufficient evidence for the carcinogenicity of diesel engine exhaust, there is inadequate evidence in humans for the carcinogenicity of gasoline engine exhaust. For more information, see: IARC. 2014. Diesel and Gasoline Engine Exhausts and Some Nitroarenes. Volume 105. Available at: https://www.ncbi.nlm.nih.gov/books/NBK294269/pdf/Bookshelf_NBK294269.pdf

almost always exceed the total acute health impact across the speciated components barring unusual circumstances (e.g., a sensitive receptor located directly above the emissions release point for a point source); according to OEHHA Guidance, if DPM is the only pollutant of concern, the Air District should be consulted prior to performing an acute non-cancer health analysis to determine appropriate procedures and confirm the assessment is warranted.[12]

Estimated Air Concentrations

To estimate air concentrations of DPM and $PM_{2.5}$, Ramboll used AERMOD (version 22112), a steady-state Gaussian plume model developed by USEPA for regulatory applications.[13] The fugitive dust was modelled as an area source with zero-meter release height and one-meter initial vertical dimension, following South Coast Air Quality Management District guidance.[14] AERMOD requires emission source locations and release parameters, receptor locations, and processed meteorological data. The construction modelled source parameters are shown in **Table 10**.

Ramboll used five years of meteorological data from the Stockton Metropolitan Airport, which was the best available dataset to represent the Project site conditions, based on terrain and wind data. **Figure 2** shows other nearby meteorological stations that were considered for determining the best available dataset. Stockton was chosen because it exhibits similar terrain to the Project site, without major disturbances between them (e.g., mountain ranges or influences from large bodies of water). Additionally, the prevailing wind direction is from the northwest at the Stockton Airport, which would maximize impacts on the nearby off-site sensitive receptors that are primarily to the southeast of the Project site. Meteorological data were processed by San Joaquin Valley Air Pollution Control District (SJVAPCD) using AERMET (version 18018).[15]

In order to evaluate health impacts to nearby off-site receptors, Ramboll modelled receptors at every structure within the vicinity of the Project, including potential new receptors that will be sited north of the Project after construction of the Priority Area 1 Specific Plan. Off-site receptors were modelled at a height of 1.5 m, above terrain height, consistent with BAAQMD guidance. [16] **Figure 1** includes a map of nearby off-site sensitive receptor locations evaluated in the HRA.

Exposure Assessment

This analysis evaluates nearby off-site sensitive receptors based on the updated Air Toxics Hot Spots Program Guidance Manual for Preparation of Health Risk Assessments (OEHHA 2015), which combines information from previously released and adopted technical support documents to delineate OEHHA's revised risk assessment methodologies based on current science. The BAAQMD has issued HRA Guidelines formally adopting the OEHHA 2015 Guidance Manual.[17] This analysis followed the recommended methodology from the 2015 OEHHA Hot Spots Guidance. Ramboll conservatively

[12] Ibid.

[13] United States Environmental Protection Agency (USEPA). 2019. User's Guide for the AMS/EPA Regulatory Model - AERMOD. August. Available at:. Accessed: February 2, 2022.

[14] South Coast Air Quality Management District. 2008. Final Localized Significance Threshold Methodology. http://www.aqmd.gov/docs/default-source/ceqa/handbook/localized-significance-thresholds/final-lst-methodology-document.pdf?sfvrsn=2. Accessed June 2022; BAAQMD currently does not have a guideline for modeling fugitive dust from construction sites.

[15] SJVACPD. 2018. Meteorological Data. May. Available online at: http://www.valleyair.org/busind/pto/Tox_Resources/AirQualityMonitoring.htm. Accessed: February 2, 2022.

[16] BAAQMD Health Risk Assessment Modeling Protocol. 2020. Final Localized Significance Threshold Methodology. https://www.baaqmd.gov/~/media/files/ab617-community-health/facility-risk-reduction/documents/baaqmd_hra_modeling_protocol-pdf.pdf?la=en

[17] BAAQMD. 2016. Health Risk Assessment Guidelines. Air Toxics NSR program. December. Available at: https://www.baaqmd.gov/~/media/files/planning-and-research/permit-modeling/hra_guidelines_12_7_2016_clean-pdf.pdf?la=en

evaluated Project impacts due to construction emissions using default exposure assumptions for a resident child from OEHHA (2015) unless otherwise noted.[18] The resident child scenario assumes a much higher daily breathing rate and age-sensitivity factor (ASF)[19] than other sensitive receptor populations and therefore is the most conservative scenario to evaluate for this analysis.[20] The exposure parameters used to estimate excess lifetime cancer risks for a resident child are presented in **Table 11**.

The dose estimated for each exposure pathway is a function of the concentration of a chemical and the intake of that chemical. The intake factor for inhalation, IF_{inh}, can be calculated as follows:

$$IF_{inh} = \frac{DBR * FAH * EF * ED * CF}{AT}$$

Where:

IF_{inh}	=	Intake Factor for Inhalation (m^3/kg-day)
DBR	=	Daily Breathing Rate (L/kg-day)
FAH	=	Fraction of Time at Home (unitless)
EF	=	Exposure Frequency (days/year)
ED	=	Exposure Duration (years)
AT	=	Averaging Time (days)
CF	=	Conversion Factor, 0.001 (m^3/L)

The chemical intake or dose is estimated by multiplying the inhalation intake factor, IF_{inh}, by the chemical concentration in air, C_i. When coupled with the chemical concentration, this calculation is mathematically equivalent to the dose algorithm given in the OEHHA Hot Spots guidance (Cal/EPA 2003).

The estimated excess lifetime cancer risks for a resident will be adjusted using age sensitivity factors (ASFs) that account for an "anticipated special sensitivity to carcinogens" of infants and children as

[18] BAAQMD. 2010. BAAQMD Air Toxics NSR Program Health Risk Screening Analysis (HRSA) Guidelines. January.

[19] Ibid.

[20] While OEHHA (2015) recommends that a Tier 1 evaluation of a daycare scenario assume eight hours of moderate intensity activities, USEPA (2009) characterizes daycares as ranging from a minimum of sedentary and passive activities to a maximum of light intensity activity, with an average of light intensity activities (see USEPA 2009, Appendix B, page B-7). According to USEPA (2009), an average child (0-6 years old) spends approximately 14.5 hour/day in sedentary/passive activities (including sleeping or napping), 5.8 hours/day in light intensity activities, 3.7 hours/day in moderate intensity activities, and 0.2 hours/day in high intensity activities.
Under the construction scenario, assuming most of the sleeping occurs during the night hours, the exposure activities and breathing rate will be the same for the resident child and the daycare child. As construction activities occur during the day, the construction exposures and risks will be the same for the two receptor types assuming they are both present for the construction time and duration. As the daily construction duration can span more or different hours than the 8-hour daycare exposure time, the residential scenario is more conservative.
USEPA. Metabolically Derived Human Ventilation Rates: A Revised Approach Based Upon Oxygen Consumption Rates (Final Report, 2009). U.S. Environmental Protection Agency, Washington, DC, EPA/600/R-06/129F, 2009. Available at: https://cfpub.epa.gov/ncea/risk/recordisplay.cfm?deid=202543

recommended in the OEHHA Technical Support Document and OEHHA 2015 Guidance.[21,22] As shown in **Table 9**, an ASF of 10 for children was applied to the resident child, assuming the resident child receptors are between the ages of birth to age two, while an ASF of 3 was used for populations with ages in the range of two to 16.[23]

Toxicity Assessment

The toxicity assessment characterizes the relationship between the magnitude of exposure and the nature and magnitude of adverse health effects that may result from such exposure. This HRA evaluated theoretical exposures to TACs for two categories of potential adverse health effects, cancer and non-cancer endpoints. Toxicity values used to estimate the likelihood of adverse effects occurring in humans at different exposure levels are identified as part of the toxicity assessment component of a risk assessment.

Excess lifetime cancer risk and chronic hazard quotient (HQs) calculations for Project construction utilized the toxicity values for DPM. Toxicity values for DPM (Cal/EPA 2016) are as presented in **Table 12**.

Risk Characterization

Excess lifetime cancer risks are estimated as the upper-bound incremental probability that an individual will develop cancer over a lifetime as a direct result of exposure to potential carcinogens. The estimated risk is expressed as a unitless probability. The cancer risk attributed to a chemical is calculated by multiplying the chemical intake or dose at the human exchange boundaries (e.g. lungs) by the chemical-specific cancer potency factor (CPF).

The equation used to calculate the potential excess lifetime cancer risk for the inhalation pathway is as follows:

$$Risk_{inh} = Ci \times CF \times IF_{inh} \times CPF_i \times ASF$$

Where:

$Risk_{inh}$	=	Cancer risk; the incremental probability of an individual developing cancer as a result of inhalation exposure to a particular potential carcinogen (unitless)
C_i	=	Annual average air concentration for $chemical_i$ ($\mu g/m^3$)
CF	=	Conversion factor (mg/µg)
IF_{inh}	=	Intake factor for inhalation (m^3/kg-day)

[21] Cal/EPA. 2009. Technical Support Document for Cancer Potency Factors: Methodologies for Derivation, Listing of Available Values, and Adjustment to Allow for Early Life Stage Exposures. May. Available online at: https://oehha.ca.gov/media/downloads/crnr/tsdcancerpotency.pdf.

[22] Cal/EPA, OEHHA. 2015. Air Toxics Hot Spots Program Risk Assessment Guidelines. Guidance Manual for Preparation of Health Risk Assessments. Appendix D: Risk Assessment Procedures to Evaluate Particulate Emissions from Diesel-Fueled Engines. February. Available at: https://oehha.ca.gov/media/downloads/crnr/2015gmappendices.pdf. Accessed: February 2, 2022.

[23] BAAQMD. 2016. Air Toxics NSR Program Health Risk Assessment (HRA) Guidelines. January. Available online at: https://www.baaqmd.gov/~/media/files/planning-and-research/permit-modeling/hra_guidelines_12_7_2016_clean-pdf.pdf?la=en.

CPF_i	=	Cancer potency factor for chemical$_i$ (mg chemical/kg body weight-day)$^{-1}$
ASF	=	Age sensitivity factor (unitless)

The potential for exposure to result in adverse chronic noncancer effects is evaluated by comparing the estimated annual average air concentration (which is equivalent to the average daily air concentration) to the noncancer chronic reference exposure level (cREL) for each chemical. When calculated for a single chemical, the comparison yields a ratio termed a hazard quotient (HQ). To evaluate the potential for adverse chronic non-cancer health effects from simultaneous exposure to multiple chemicals, the HQs for all chemicals are summed, yielding a HI:

$$HQ_i = C_i / cREL_i$$

$$HI = \sum HQ$$

Where:

HI	=	Hazard index
HQ_i	=	Chronic hazard quotient for chemical i
C_i	=	Annual average concentration of chemical i (µg/m^3)
$cREL_i$	=	Chronic noncancer reference exposure level for chemical i (µg/m^3)

Cancer risk and chronic HI were calculated from ambient annual concentrations using intake factors, cancer potency factors, and chronic reference exposure levels calculated consistent with the 2015 OEHHA Hot Spots Guidance.

Construction Health Risk Assessment Results

As shown in **Table 13**, the cancer risk from construction activities at the maximally exposed individual receptor (MEIR) is calculated to be 7.0 in 1 million, compared to a threshold of 10 in 1 million. Construction activities would also result in a non-cancer hazard index of 0.0036 (threshold of 1.0), and maximum $PM_{2.5}$ concentration of 0.017 µg/m^3 (threshold of 0.3 µg/m^3). These results are all below the BAAQMD thresholds of significance; thus, health risk impacts associated with construction of the Project are less than significant.

Operational Health Risk Assessment

In accordance with BAAQMD CEQA guidelines, Ramboll calculated the impacts from Project-related operational traffic along SR-4. To do this, Ramboll used the operational traffic generation rates from the CalEEMod® runs from the DEIR and conservatively assumed that all of those trips would travel along SR-4. In reality, some trips would occur on the internal circulation system within the Project site, but SR-4 is closer to the MEIR location and thus it was conservative to assume that all Project traffic was along SR-4.

The BAAQMD provides a raster file upon request containing conservative estimates of $PM_{2.5}$ concentration and cancer risk from highways. This major roadway screening tool includes impacts from all roadways with daily traffic above 30,000 vehicles per day. However, the raster tool appears to model Brentwood Blvd (a parallel road due east of SR-4) but not SR-4, so Ramboll used a scaling methodology to calculate the impacts from SR-4 using the data from Brentwood Blvd. To estimate

health impacts from Project traffic, Ramboll used the highway risk raster to perform a scaling analysis. First, Ramboll identified the MEIR from construction-related impacts and determined the closest distance between the MEIR and SR-4. Ramboll then determined the average health impacts for receptors the equivalent distance and direction away from Brentwood Boulevard. The average health impact was then scaled by the ratio of Project traffic to approximate traffic along that segment of Brentwood Boulevard.[24]

As shown in **Table 13**, the risk from Project traffic at the MEIR is 0.77 in a million, while the $PM_{2.5}$ concentration is 0.009 µg/m^3. These are well below the BAAQMD significance thresholds of 10 in a million at 0.3 µg/m^3, respectively. If summed with the construction cancer risk impact described above, total risk remains below the BAAQMD significance threshold with total risk of 7.8 in a million. The actual risk is much lower, because this conservatively assumes the same MEIR is exposed to both construction and operations starting in the third trimester and throughout the earliest years of life when most sensitive to the effects of air pollution, when in reality, the construction MEIR would not be exposed to Project traffic until after construction was complete. Because $PM_{2.5}$ concentration is an annual impact and there is no overlap between maximum construction and maximum operation, as long as both impacts are less than significant, than the project is less than significant for $PM_{2.5.}$

Cumulative Health Risk Assessment

In accordance with BAAQMD CEQA guidelines, Ramboll conducted a cumulative HRA for offsite sensitive receptors. The offsite cumulative assessment tabulates the impact of Project-related construction and operational risks plus existing offsite sources (stationary and mobile) at the MEIR location for construction. This is a conservative evaluation, as it assumes that the MEIR is exposed to both construction and full buildout operational emissions simultaneously starting with a fetus *in utero* during its third trimester. The evaluation requires the identification of any stationary and mobile sources within 1,000 feet of the Project boundary. This HRA also includes potential impacts for other planned projects nearby. In addition to the evaluation of each single source, the combined health risk from all toxic air contaminant (TAC) and $PM_{2.5}$ sources are evaluated.

Sources evaluated in the cumulative health risk assessment include any BAAQMD permitted stationary source, roadways with over 5,000 vehicles per day, and any other major source of emissions within the zone of 1000' influence. The BAAQMD provides tools with conservative estimates of impacts from these sources, including a stationary source tool[25] and a set of raster files containing railway screening results, highway screening results, major roadway screening results, and roadway screening tables. As described above, BAAQMD's major roadway screening tool includes impacts from all roadways with daily traffic above 30,000 vehicles per day. Aside from SR-4, there are no other major roadways within 1,000 feet of the Project boundary.

To ensure that impacts from SR-4 are adequately accounted for, Ramboll performed a scaling analysis similar to the one described above for the operational health risk assessment. Again, Ramboll determined the average health impacts for a sensitive receptor an equivalent distance and direction

[24] While the exact traffic along Brentwood Boulevard is not known, communication with Areana Flores at BAAQMD via email on July 1, 2020 confirmed that the minimum average annual daily traffic (AADT) used for this model was 30,000. To ensure the most conservative analysis, Ramboll assumed the minimum number of trips were modeled along Brentwood Boulevard.

[25] Ramboll submitted a Stationary Source Inquiry to BAAQMD to determine that all sources provided in the online tool were up-to-date.

from Brentwood Boulevard and scaled the impacts by the ratio of SR-4 traffic to Brentwood Boulevard traffic.[26]

The only stationary source within the vicinity of the Project is an emergency generator located east of the Project. While this stationary source is more than 1,000 feet away from the Project boundary, the impacts as provided by the BAAQMD are included to ensure all risks to the MEIR are accounted for.

Other nearby ongoing or planned projects may potentially have air quality impacts that would impact the MEIR in a cumulative setting. Two projects were identified near the Project site and have been incorporated into the cumulative HRA.

- The Ranch at Antioch is a planned mixed-use residential development to the west of the Project site. Its eastern border is more than 1,000 feet from the Project boundary.[27] Therefore, The Ranch is not expected to have air quality impacts that meaningfully affect the Project MEIR.
- The Powerdrive Oil & Gas Company Wells Project ("Powerdrive Project") may establish an oil and gas well pad in an agricultural area to the southwest of the Project site. Because the Powerdrive Project is adjacent to the Project receptors, it has the potential to impact air quality at the MEIR. However, the Powerdrive Project published a Negative Declaration that indicates that air quality impacts will be less than significant.[28] Therefore, air pollutant emissions and health risks are anticipated to be below the BAAQMD's project-level significance thresholds. To be conservative, this HRA assumes that the cancer risk at the Project MEIR could increase by as much as 10 in a million and $PM_{2.5}$ impacts could increase by as much as 0.3 µg/m^3 (the significance thresholds) due to the Powerdrive Project. The actual risk is likely to be much lower, because the MEIR location is more than 1,000 feet east of the Powerdrive Project close to SR-4.

The cumulative HRA results, which include impacts from Project construction, Project operation, and the nearby cumulative sources described above, are summarized in **Table 14**. As shown in **Table 14**, the maximum cumulative cancer risk is calculated to be 23 in 1 million, compared to a cumulative risk threshold of 100 in 1 million. The Project would also result in a cumulative maximum non-cancer hazard index of 0.0040 (threshold of 10), and cumulative maximum $PM_{2.5}$ concentration of 0.38 µg/m^3 (threshold of 0.8 µg/m^3). These results are all well below the BAAQMD thresholds of significance; thus, health risk impacts associated with construction and operation of the Project and cumulative risks are less than significant.

SUMMARY OF RESULTS

This analysis utilized conservative assumptions, with respect to Project construction and cumulative health risk impacts on offsite receptors, as discussed in the sections above. The construction and

[26] Consistent with the BAAQMD highway risk raster tool, the traffic along SR-4 between Lone Tree Road and Sand Creek Road is estimated from the 2014 Traffic Volumes aggregated by Caltrans. The traffic along this segment is approximately 89,000 AADT. For more information, see: Caltrans. 2014. 2014 Traffic Volumes on California State Highways. Available at: https://dot.ca.gov/-/media/dot-media/programs/traffic-operations/documents/census/aadt/f0017652-2014-aadt-volumes.pdf

[27] City of Antioch. 2020. The Ranch Environmental Impact Report. Project Description. Available at: https://www.antiochca.gov/fc/community-development/planning/The-Ranch/36230007_2.0_Project%20Description.pdf. Accessed: February 2, 2022.

[28] Contra Costa County. 2020. Notice of Public Review and Intent to Adopt a Negative Declaration. Powerdrive Oil & Gas Company Wells. Available at: https://www.contracosta.ca.gov/DocumentCenter/View/64854/LP19-2019-Notice-of-Public-Reviewpdf-WEB-VERSION. Accessed: February 2, 2022.

operational HRA results are summarized in **Table 13** and the cumulative HRA results are summarized in **Table 14**. The Project does not exceed any BAAQMD CEQA significance thresholds.

TABLES

Table 1

Construction Schedule

Bridle Gate

Brentwood, California

Construction Subphase[1]	Start Date	End Date	Number of Work Days	Days per Week
Site Preparation	7/1/2024	9/8/2024	50	5
Grading	9/9/2024	5/17/2026	440	5
Building Construction	5/18/2026	6/25/2028	550	5
Paving	6/26/2028	1/21/2029	150	5
Architectural Coating	1/22/2029	3/2/2031	550	5

Notes:

1. The construction start date of 7/1/2024 was provided by the Project Sponsor. Construction phasing information was based on CalEEMod defaults for the project acreage.

Table 2

Construction Equipment

Bridle Gate

Brentwood, California

Off-Road Activity Assumptions[1]

Construction Subphase			Days	CalEEMod® Equipment Type	Number	Horsepower	Hours of Usage Per Day	Tier
Site Preparation	Site Preparation	50	50	Rubber Tired Dozers	3	367	8	Tier 2
	Site Preparation	50		Tractors/Loaders/Backhoes	4	84	8	Tier 4 Interim
Grading	Grading	440	440	Excavators	2	36	8	Tier 3
	Grading	440		Graders	1	148	8	Tier 2
	Grading	440		Rubber Tired Dozers	1	367	8	Tier 4 Final
	Grading	440		Scrapers	2	423	8	Tier 4 Final
	Grading	440		Tractors/Loaders/Backhoes	2	84	8	Tier 4 Interim
Building Construction	Building Construction	550	550	Cranes	1	367	7	No Specific Tier
	Building Construction	550		Forklifts	3	82	8	No Specific Tier
	Building Construction	550		Generator Sets	1	14	8	No Specific Tier
	Building Construction	550		Tractors/Loaders/Backhoes	3	84	7	Tier 4 Interim
	Building Construction	550		Welders	1	46	8	No Specific Tier
Paving	Paving	150	150	Pavers	2	81	8	Tier 3
	Paving	150		Paving Equipment	2	89	8	Tier 2
	Paving	150		Rollers	2	36	8	Tier 2
Architectural Coating	Architectural Coating	550	550	Air Compressors	1	37	6	No Specific Tier

Notes

1. Ramboll reviewed the DEIR and confirmed that the construction activity assumptions were reasonable. The construction phasing, equipment selection, and equipment activity modeled are consistent with the DEIR, and are based on CalEEMod defaults.

2. Ramboll adjusted the construction equipment tier based on a comprehensive list of all equipment owned and operated by the Project contractor. From this, Ramboll conservatively identified the lowest tier equipment for each CalEEMod equipment type and used the emission factor associated with this tier to estimate emissions. For example, if an equipment type has a mix of Tier 1, 2, 3, 4 Interim, and 4 Final equipment, Tier 1 was used. If no specific tier was modeled, the default CalEEMod equipment emission factor was used. If the minimum tier accounted for less than 10% of equipment of that type, the next lowest tier was used.

[3] Tier 4 final were used for Rubber Tired Dozers and Scrapers in order to lower the emissions and meet the threshold.

Table 3

Construction Trips

Bridle Gate

Brentwood, California

Trip Data

Construction Phase	Construction Subphase	Start Year	Construction Days	Trip Rates[1] (trips/day)		Trip Lengths[2] (miles/one-way trip)	
				Worker Trips	Vendor Trips	Worker Trips	Vendor Trips
Construction	Site Preparation	2024	50	18	--	12.9	7.4
	Grading	2024	440	20	--	12.9	7.4
	Building Construction	2026	550	623	197	12.9	7.4
	Paving	2028	150	15	--	12.9	7.4
	Architectural Coating	2029	550	125	--	12.9	7.4

EMFAC Data[4]

Trip Type	EMFAC Settings	Fleet Mix	Fuel Type
Worker	Contra Costa County Calendar Years 2024-2031 Annual Season Aggregated Model Year EMFAC2007 Vehicle Categories	25% LDA, 50% LDT1, 25% LDT2	Gasoline
Vendor		50% MHDT, 50% HHDT	Diesel
Hauling		100% HHDT	Diesel

Notes:

1. Trip rates were confirmed by the Project Sponsor.
2. Trip lengths are based on CalEEMod Appendix G defaults for Contra Costa County.
3. Emissions were calculated using emission factors from EMFAC2021 with the specified settings and fleet and fuel assumptions.

Abbreviations:

CalEEMod - California Emissions Estimator Model

EMFAC2021 - California Air Resources Board EMission FACtor model

LDA - light-duty automobiles

LDT - light-duty trucks

HHDT - heavy-heavy duty trucks

sqft - square feet

References:

The California Emissions Estimator Model (CalEEMod). Available at: http://www.caleemod.com/

California Air Resources Board (ARB) 2021. EMFAC2021. Available at: https://ww2.arb.ca.gov/our-work/programs/mobile-source-emissions-inventory/msei-modeling-tools

Table 4
Silt Loading Emission Factors
Bridle Gate
Brentwood, California

Entrained Roadway Dust Constants for Contra Costa County

Roadway Category	Silt Loading[1] (g/m^2)	Travel Fraction[1]
Freeway	0.015	0.50
Major	0.032	0.37
Collector	0.032	0.090
Local - Urban	0.32	0.040
Weighted Silt Loading Factor	0.035	1.0

Notes:

[1.] Travel fraction by roadway category and silt loading are based on ARB's Entrained Road Travel Emission Inventory Source Methodology Tables 2 and 4, respectively.

Abbreviations:

ARB - Air Resources Board
g - gram(s)
m - meter

References:

California Air Resources Board (ARB). 2021. Miscellaneous Process Methodology 7.9, Entrained Road Travel, Paved Road Dust. March. Available online at: https://ww3.arb.ca.gov/ei/areasrc/fullpdf/2021_paved_roads_7_9.pdf

Table 5
Emission Factors for Entrained Roadway Dust
Bridle Gate
Brentwood, California

Road Dust Equation[1]

E [lb/VMT] = [k*(sL)^0.91 * (W)^1.02]*(1-P/4N)

Parameters[2,3]	Value
E = annual average emission factor in the same units as k	[calculated]
k = particle size multiplier for particle size range	
$PM_{2.5}$ (lb/VMT)	3.3E-04
sL = roadway silt loading [grams per square meter - g/m^2]	0.035
W = average weight of vehicles traveling the road [tons]	2.4
P = number of "wet" days in county with at least 0.01 in of precipitation during the annual averaging period[3]	65
N = number of days in the averaging period	365
$PM_{2.5}$ Emission Factor [lb/VMT]	3.6E-05

Notes:

1. Road dust equation and parameters are from the California Air Resources Board's (ARB) 2021 Miscellaneous Process Methodology 7.9 for Entrained Road Travel, Paved Road Dust.
2. The silt loading emission factor assumes Contra Costa County default roadway fractions and silt loading levels from ARB 2021. Other parameters (average weight of vehicles, size multipliers) are from ARB 2021. PM2.5 is assumed to be 15% of PM10 based on paved road dust sampling in California (ARB Speciation Profile #471), which is a more representative fraction than provided in the older AP-42 fugitive dust methodology as discussed in ARB 2021 (page 17).
3. The number of "wet" days for Richmond, CA is from the California Air Resources Board's (ARB) 2021 Miscellaneous Process Methodology 7.9 for Entrained Road Travel, Paved Road Dust.

Abbreviations:

ARB - California Air Resources Board
CalEEMod - California Emissions Estimator Model
EMFAC - EMission FACtor Model
g - gram
lb - pound
$PM_{2.5}$ - particulate matter less than 2.5 microns
VMT - vehicle miles traveled

References:

California Air Resources Board (ARB). 2021. Miscellaneous Process Methodology 7.9, Entrained Road Travel, Paved Road Dust. March. Available online at: https://ww3.arb.ca.gov/ei/areasrc/fullpdf/2021_paved_roads_7_9.pdf

The California Emissions Estimator Model (CalEEMod). Available at: http://www.caleemod.com/

Table 6
Emission Calculation for Entrained Roadway Dust
Bridle Gate
Brentwood, California

Inputs

Trip Length[1]		
Worker Trip length (miles/trip)	0.85	
Vendor Trip Length (miles/trip)	0.85	
Entrained Road Dust Emission Factors[2]		
$PM_{2.5}$ Emission Factor [lb/VMT]	3.6E-05	Calculated

Construction Area	**Subphase**	**Start Year**	**Construction Days**	**Worker Trips (trips/day)**	**Vendor Trips (trips/day)**	**Worker VMT (miles)**	**Vendor VMT (miles)**	**Total VMT (miles)**	**Total Emissions (lb)**
									$PM_{2.5}$
Full Site	Site Preparation	2024	50	18	--	765	--	765	0.028
	Grading	2024	440	20	--	7480	--	7,480	0.27
	Building Construction	2026	550	623	197	291252.5	92,098	383,350	14
	Paving	2028	150	15	--	1912.5	--	1,913	0.070
	Architectural Coating	2029	550	125	--	58437.5	--	58,438	2.1

Notes:
1. Trip lengths for worker, vendor, and hauling were set to the modeled length of 0.85 miles.
2. Entrained road dust emission factors were obtained from Table 5.

Abbreviations:
CalEEMod - California Emissions Estimator Model
$PM_{2.5}$ - particulate matter less than 2.5 microns

Table 7

Fugitive Dust Emissions from Off-Road Grading Activity

Bridle Gate

Brentwood, California

Construction Area	Construction Subphase[1]	Year	Total Work Days (per year)	Equipment	Quantity	CalEEMod Grading rate[2]	Maximum Area Disturbed[1]	Grading VMT[2]	$PM_{2.5}$ Emission Factor[3]	Emissions
										$PM_{2.5}$
						acre/8hr-day	acre/day	mile/day	lb/VMT	lb/yr
Full Site	Grading	2024	82	Graders	1	0.5	0.5	0.34	0.17	4.7
				Rubber Tired Dozers	1	0.5	0.5	0.34		4.7
				Scrapers	2	1	2	1.4		19
		2025	261	Graders	1	0.5	0.5	0.34		15
				Rubber Tired Dozers	1	0.5	0.5	0.34		15
				Scrapers	2	1	2	1.4		60
		2026	97	Graders	1	0.5	0.5	0.34		5.6
				Rubber Tired Dozers	1	0.5	0.5	0.34		5.6
				Scrapers	2	1	2	1.4		22

Notes:

1. Maximum graded area calculated following guidance in the CalEEMod® User's Guide, Appendix C.
2. Based on CalEEMod® default daily acres graded by equipment type, Table G-14, below.

Equipment	Acres Graded per 8 Hour Day
Crawler Tractors	0.5
Graders	0.5
Rubber Tired Dozers	0.5
Scrapers	1

3. VMT per day calculated following guidance in the CalEEMod® User's Guide, Appendix C, which is based on AP-42, Section 11.9 for grading equipment. The equation is:
   VMT = AS/Wb x (43,560 sqft/acre)/(5,280 ft/mile), where:

   A_S = A_S, acres graded per day (varies by sub-activity); in this case using maximum estimated disturbed acres/day

   12 = W_b, blade width of grading equipment (CalEEMod® default) in ft

3. Emission factors calculated following guidance in the CalEEMod® User's Guide, Appendix C, which is based on AP-42, Section 11.9 for grading equipment. The equations are:
   EFPM10 = 0.051 x (S)2.0 x FPM10
   EFPM2.5 = 0.04 x (S)2.5 x FPM2.5 where:

   7.1 = S, mean vehicle speed (mph) (AP-42 default)

   0.6 = F_{PM10}, PM_{10} scaling factor (AP-42 default)

   0.031 = $F_{PM2.5}$, $PM_{2.5}$ scaling factor (AP-42 default)

Abbreviations:

CalEEMod® - California Emissions Estimator Model
EF - emission factor
ft - feet
lb - pound
yr - year

Table 8
Fugitive Dust Emissions from Off-Road Bulldozing Activity
Bridle Gate
Brentwood, California

Construction Area	Construction Subphase	Number of Equipment	Daily Usage (hours/day)	Total Equipment Work Hours[1] (hours/day)	Uncontrolled $PM_{2.5}$ Emission Factor[3] (lbs/hour)	Emissions[4]	
						$PM_{2.5}$	
						lb/day	ton
Full Site	Grading	1	8	8	0.41	3.3	0.73

Notes:

1. The equipment use schedule is based on Project-specific estimates, and includes planned hours for all tracked dozers to be used during the given phase.

2. Emission factor calculated following guidance in the CalEEMod® User's Guide, Appendix A, which is based on AP-42, Section 11.9 for bulldozing equipment. The equation is:

   $EF_{PM10} = C_{PM15} \times s1.5 / M1.4 \times F_{PM10}$, where the following default values are used:

   1 = C_{PM15}, arbitrary coefficient
   6.9 = s, material silt content (%)
   7.9 = M, material moisture content (%)
   0.75 = F_{PM10}, PM_{10} scaling factor

3. Emission factor calculated following guidance in the CalEEMod® User's Guide, Appendix A, which is based on AP-42, Section 11.9 for bulldozing equipment. The equation is:

   $EF_{PM2.5} = C_{TSP} \times s^{1.2} / M^{1.3} \times F_{PM2.5}$, where the following default values are used:

   5.7 = C_{TSP}, arbitrary coefficient
   6.9 = s, material silt content (%)
   7.9 = M, material moisture content (%)
   0.105 = $F_{PM2.5}$, $PM_{2.5}$ scaling factor

4. The mass emissions shown are converted from ton per year to gram per second for the health risk assessment. The conversion is based on 365 days per year and 10 hours per day, consistent with the modeled hours from 7 AM - 5 PM.

Abbreviations:

CalEEMod® - California Emissions Estimator Model
EF - emission factor
lbs - pounds
PM_{10} - particulate matter less than 10 microns
$PM_{2.5}$ - particulate matter less than 2.5 microns
VMT - vehicle miles traveled

References:

California Air Pollution Control Officers Association (CAPCOA). 2020. California Emissions Estimator Model (CalEEMod), Version 2020.4.0. Available online at http://www.caleemod.com/

Table 9

Construction Emission Summary

Bridle Gate

Brentwood, California

Phase	Phase	Year	Construction Emissions				
			Construction Equipment[1]		On-Road Trucks[2]		
			DPM	$PM_{2.5}$[3]	$PM_{2.5}$[4]	DPM	$PM_{2.5}$[3]
			g/s		g/s	g/s	
Site Preparation	SITE PREPARATION	2024	0.0012	0.0011	1.1E-06	0	0
Grading	GRADING	2024	8.6E-04	0.011	2.0E-06	0	0
	GRADING	2025	0.0027	0.035	6.1E-06	0	0
	GRADING	2026	0.0010	0.013	2.2E-06	0	0
Building Construction	BUILDING CONSTRUCTION	2026	0.0017	0.0017	1.2E-04	9.2E-05	2.0E-04
	BUILDING CONSTRUCTION	2027	0.0025	0.0025	1.8E-04	1.4E-04	3.2E-04
	BUILDING CONSTRUCTION	2028	0.0011	0.0011	8.6E-05	6.3E-05	1.5E-04
Paving	PAVING	2028	0.0012	0.0011	2.2E-06	0	0
	PAVING	2029	1.2E-04	1.1E-04	2.4E-07	0	0
Architectural Coating	ARCHITECTURAL COATING	2029	1.1E-04	1.3E-04	3.3E-05	0	0
	ARCHITECTURAL COATING	2030	9.9E-05	1.3E-04	3.4E-05	0	0
	ARCHITECTURAL COATING	2031	1.4E-05	1.9E-05	5.6E-06	0	0

Notes:

1 The default CalEEMod® off-road equipment fleet was updated to reflect the Project contractor's equipment fleet. The lowest tier for each CalEEMod® equipment type was conservatively assumed to perform all of the off-road activity.

2 On-road construction vendor trip emissions were modeled along an approximately 0.85 mile stretch of State Route (SR) 4.

3 As per the latest BAAQMD guidance, PM2.5 concentrations should include fugitive emissions from tirewear and breakwear, thus total PM2.5 emissions can be higher than exhasut PM10 emissions under this scenario. However, exhaust PM10 emissions are always greater than exhaust PM2.5 emissions.

Abbreviations:

BAAQMD - Bay Area Air Quality Management District

CalEEMod® - California Emissions Estimator Model®

CAP - Criteria Air Pollutants

CEQA - California Environmental Quality Act

GHG - Greenhouse Gases

ROG - reactive organic gases

NOx - nitrogen oxides

PM_{10} - particulate matter less than 10 microns

$PM_{2.5}$ - particulate matter less than 2.5 microns

Reference:

California Emissions Estimator Model (CalEEMod). 2016. CAPCOA. Available online at: http://www.caleemod.com

California Environmental Quality Act (CEQA) Guidelines. 2017. Bay Area Air Quality Management District (BAAQMD). May. Available online at: http://www.baaqmd.gov/~/media/files/planning-and-research/ceqa/ceqa_guidelines_may2017-pdf.pdf?la=en

California EMission FACtor Model (EMFAC2017). Available at: https://arb.ca.gov/emfac/

Table 10

Modeled Source Parameters

Bridle Gate

Brentwood, California

Source[1]	Source Type	Source Dimension	Release Height[2]	Initial Vertical Dimension[3]	Initial Lateral Dimension[4]
		[m]	[m]	[m]	[m]
Construction Equipment	Volume[5]	20	5	1.2	9.3
On-Road Trucks	Volume	9	2.55	2.4	4.2
Construction Equipment - Fugitive Dust[6]	Area	Approximate Equipment Area	0	1	--

Notes:

1. The number of modeled construction equipment sources is based on the number of distinct construction work areas. The number of on-road vehicle sources is based on the geometry of the truck or traffic routes.

2. BAAQMD does not have guidance on construction modeling, therefore construction equipment parameters used are based on BAAQMD's San Francisco Community Risk Reduction Plan-Health Risk Assessment (CRRP-HRA). According to the CRRP-HRA methodology, release height of a modeled area source representing construction equipment was set to 5 meters. On-road truck release height is based on USEPA haul road guidance, assuming vehicle heights of 3 meters for heavy-duty vehicles.

3. According to USEPA's AERMOD guidance, initial vertical dimension of the modeled construction equipment area sources is the release height divided by 4.3. Vehicle initial vertical dimension is based on USEPA's haul road guidance, assuming vehicle heights 3 meters for heavy-duty vehicles.

4. Initial lateral dimension for the construction equipment is the center-to-center spacing divided by 2.15, consistent with AERMOD guidance. Initial lateral dimension for on-road vehicles is based on USEPA's haul road guidance. Construction hauling routes are assumed to consist of a single lane; thus, the initial lateral dimension is based on vehicle width of 3 meters.

5. Construction off-road equipment is modeled as adjacent volume sources covering the relevant construction work areas, consistent with the LST guidance.

6. Construction fugitive dust will be modeled as one area source covering the parcel under construction. According to the 2012 San Francisco Community HRA methodology, the initial vertical dimension of the modeled fugitive dust area source will be set to 1 meter and the release height will be set to 0 meters consistent with SCAQMD LST methods.

Abbreviations:

AERMOD - Atmospheric Dispersion MODeling

BAAQMD - Bay Area Air Quality Management District

CEQA - California Environmental Quality Act

CRRP - Community Risk Reduction Plan

HRA - health risk assessment

LST - Localized Significance Threshold

m - meter

USEPA - United States Environmental Protection Agency

References:

Bay Area Air Quality Management District (BAAQMD). 2012. The San Francisco Community Risk Reduction Plan: Technical Support Documentation. December. Available at: http://www.gsweventcenter.com/Draft_SEIR_References%5C2012_12_BAAQMD_SF_CRRP_Methods_and_Findings_v9.pdf

BAAQMD. 2017. California Environmental Quality Act: Air Quality Guidelines. May. Available at: http://www.baaqmd.gov/~/media/files/planning-and-research/ceqa/ceqa_guidelines_may2017-pdf.pdf?la=en. Accessed November 2018.

South Coast Air Quality Management District. 2008. Final Localized Significance Threshold Methodology. July. Available at: http://www.aqmd.gov/docs/default-source/ceqa/handbook/localized-significance-thresholds/final-lst-methodology-document.pdf?sfvrsn=2

United States Environmental Protection Agency (USEPA). 2012. Haul Road Workgroup Final Report Submission to EPA-OAQPS. U.S. EPA Office of Air Quality and Planning Standards, Research Triangle Park, North Carolina. Available at: https://www3.epa.gov/scram001/reports/Haul_Road_Workgroup-Final_Report_Package-20120302.pdf

USEPA. 2019. User's Guide for the AMS/EPA Regulatory Model (AERMOD). U.S. EPA Office of Air Quality Planning and Standards, Research Triangle Park, North Carolina. Available at: https://www3.epa.gov/ttn/scram/models/aermod/aermod_userguide.pdf

Table 11

Exposure Parameters

Bridle Gate

Brentwood, California

Receptor Type	Receptor Age Group	Exposure Parameters						
		Daily Breathing Rate (DBR)[1]	Exposure Duration (ED)	Fraction of Time at Home (FAH)[2]	Exposure Frequency (EF)[3]	Averaging Time (AT)	Age Sensitivity Factor (ASF)[4]	Intake Factor, Inhalation (IF_{inh})
		[L/kg-day]	[years]	[unitless]	[days/year]	[days]	[unitless]	[m^3/kg-day]
Off-Site Child Resident[5]	3rd Trimester	361	0.50	1	350	25,550	10	0.025
	Age 0-<2 Years	1,090	2.00				10	0.30
	Age 2-<16 Years	572	4.7				3	0.11

Notes:

1. Daily breathing rates reflect default breathing rates from OEHHA 2015 and BAAQMD 2016 as follows: 95th percentile 24-hour daily breathing rate for 3rd trimester and age 0-<2 years; 80th percentile for ages 2 years and older (per BAAQMD 2016 and 2020 Health Risk Assessment (HRA) Modeling Guidelines).

2. Fraction of time spent at home is conservatively assumed to be 1 (i.e. 24 hours/day) based on the recommendation from BAAQMD (BAAQMD 2016) and OEHHA (OEHHA 2015).

3. Exposure frequency reflects default residential exposure frequency from OEHHA 2015.

4. Based on OEHHA 2015. Age sensitivity factors are unitless.

5. The nearby community includes a number of daycares. While OEHHA (2015) recommends that a Tier 1 evaluation of a daycare scenario assume eight hours of moderate intensity activities, USEPA (2009) characterizes daycares as ranging from a minimum of sedentary and passive activities to a maximum of light intensity activity, with an average of light intensity activities (see USEPA Appendix B, page B-7). According to USEPA (2009), an average child (0-6 years old) spends approximately 14.5 hour/day in sedentary/passive activities (including sleeping or napping), 5.8 hours/day in light intensity activities, 3.7 hours/day in moderate intensity activities, and 0.2 hours/day in high intensity activities. Under the construction scenario, assuming most of the sleeping occurs during the night hours, the exposure activities and breathing rate will be the same for the resident child and the daycare child. As construction activities occur during the day, the construction exposures and risks will be the same for the two receptor types assuming they are both present for the construction time and duration. As the daily construction duration can span more or different hours than the 8-hour daycare exposure time, the residential scenario is more conservative.

Calculation:

IF_{inh} = DBR * FAH * EF * ED * ASF * CF / AT

CF = 0.001 (m^3/L)

Abbreviations:

ASF - age sensitivity factor

AT - averaging time

BAAQMD - Bay Area Air Quality Management District

DBR - daily breathing rate

ED - exposure duration

EF - exposure frequency

FAH - fraction of time at home

IF_{inh} - intake factor

kg - kilogram

L - liter

m^3 - cubic meter

OEHHA - Office of Environmental Health Hazard Assessment

References:

BAAQMD. 2016. Air Toxics NSR Program Health Risk Assessment (HRA) Guidelines. January. Available online at: https://www.baaqmd.gov/~/media/files/planning-and-research/permit-modeling/hra_guidelines_12_7_2016_clean-pdf.pdf?la=en

BAAQMD. 2020. Health Risk Assessment (HRA) Modeling Protocol. Available here: https://www.baaqmd.gov/~/media/files/ab617-community-health/facility-risk-reduction/documents/baaqmd_hra_modeling_protocol-pdf.pdf?la=en

OEHHA. 2015. Air Toxics Hot Spots Program Risk Assessment Guidelines. Guidance Manual for Preparation of Health Risk Assessments. February. Available online at: https://oehha.ca.gov/media/downloads/crnr/2015guidancemanual.pdf

Table 12

Toxicity Values

Bridle Gate

Brentwood, California

Chemical[1]	Cancer Potency Factor $(mg/kg\text{-}day)^{-1}$	Chronic REL ($\mu g/m^3$)
Diesel PM	1.1	5

Notes:

1. Chemicals presented in this table reflect air toxic contaminants in the proposed fuel types that are expected from off-road equipment and on-road truck trips.

Abbreviations:

$\mu g/m^3$ - micrograms per cubic meter

ARB - Air Resources Board

Cal/EPA - California Environmental Protection Agency

$(mg/kg\text{-}day)^{-1}$ - per milligram per kilogram-day

OEHHA - Office of Environmental Health Hazard Assessment

PM - particulate matter

REL - reference exposure level

Reference:

Cal/EPA. 2015. OEHHA/ARB Consolidated Table of Approved Risk Assessment Health Values. May 13. Available online at: https://ww3.arb.ca.gov/toxics/healthval/contable.pdf

Table 13

Summary of Health Impacts from Project Construction and Operation at the MEIR

Bridle Gate

Brentwood, California

Source	$PM_{2.5}$ Concentration ($\mu g/m^3$, Annual Average)	Lifetime Excess Cancer Risk (in a million)[1]	Non-Cancer Hazard Index (unitless)[2]
Construction Equipment	0.017	7.0	0.0036
On-Road Trucks[3]	0	0.0046	0
Project Traffic[4]	0.0092	0.77	--
Project Total/Maximum[5]	**0.017**	**7.8**	**0.0036**
BAAQMD Thresholds[6]	**0.30**	**10**	**1.0**

Notes:

1. Excess lifetime cancer risks are estimated as the upper-bound incremental probability that an individual will develop cancer over a lifetime as a direct result of exposure to potential carcinogens. The estimated risk is expressed as a unitless probability. The cancer risk attributed to the emissions associated with the Project was calculated based on the modeled annual average DPM concentration, the intake factor for a resident child, the Cancer Potency Factors (CPF) for Diesel Particulate Matter (DPM), and the Age Sensitivity Factors (ASF).
2. The potential for exposure to result in adverse chronic noncancer effects is evaluated by comparing the estimated annual average air concentration to the noncancer chronic Reference Exposure Level (REL) for each chemical. When calculated for a single chemical, the comparison yields a ratio termed a chronic hazard quotient (HQ). To evaluate the potential for adverse chronic noncancer health effects from simultaneous exposure to multiple chemicals, the chronic hazard quotients for all chemicals are summed, yielding a hazard index (HI).
3. PM2.5 concentration and Non-Cancer Hazard Index represent annual values in the maximum year (2025 for PM2.5 and 2026 for the Non-Cancer Hazard Index). Cancer risk is cumulative over a lifetime. There are no emissions from hauling or vendor trucks during 2025 or 2026.
4. Because State Route (SR) 4 is adjacent to the Project, all Project traffic impacts and cumulative highway impacts are assumed to come from SR-4. The BAAQMD cumulative analysis raster tool for highway sources appears to have modeled Brentwood Boulevard (a parallel road due east of SR-4) instead of SR-4. To estimate impacts from SR-4 for the Project traffic health screening analysis, Ramboll performed a scaling analysis using the impacts modeled in the BAAQMD highway raster tool from Brentwood Boulevard. Ramboll identified the distance from the MEIR to SR-4 and determined the average impact at the equivalent distance from Brentwood Boulevard. Impacts were then scaled using Project traffic, assuming Brentwood Boulevard was modeled using 30,000 annual average daily trips (AADT). Project traffic was estimated in the DEIR to be 15,116 AADT. The BAAQMD cumulative analysis cancer risk raster tool assumes a 30-year lifetime exposure beginning in the third trimester, so this analysis is conservative in adding the construction impacts to the traffic impacts when in reality, the construction MEIR would not be exposed to Project traffic until after construction was complete.
5. Cancer risk is a cumulative lifetime impact, so construction and operation are added together. For PM2.5 concentration and chronic HI, the maximum of construction or operation is presented since these impacts will not occur concurrently.

Abbreviations:

BAAQMD - Bay Area Air Quality Management District

CEQA - California Environmental Quality Act

PM - particulate matter

$\mu g/m^3$ - microgram per cubic meter

Reference:

BAAQMD. 2017. California Environmental Quality Act Air Quality Guidelines. May. Available at: http://www.baaqmd.gov/~/media/files/planning-and-research/ceqa/ceqa_guidelines_may2017-pdf.pdf?la=en

Table 14

Summary of Cumulative Health Impacts at the MEIR

Bridle Gate

Brentwood, California

Source		$PM_{2.5}$ Concentration ($\mu g/m^3$, Annual Average)	Lifetime Excess Cancer Risk (in a million)[1]	Non-Cancer Hazard Index[2]
Project	Project Construction[3]	0.017	7.0	0.0036
	Project Traffic[4]	0.0092	0.77	--
Nearby Cumulative Sources[5]	Highway Sources[4]	0.054	4.5	--
	Major Roadway Sources	0.0070	0.39	--
	Railway Sources	6.5E-05	0.041	--
	Nearby Stationary Sources	4.0E-04	0.19	4.0E-04
	Powerdrive Project[6]	0.30	10	--
Cumulative Total		**0.38**	**23**	**0.0040**

Notes:

1. Excess lifetime cancer risks are estimated as the upper-bound incremental probability that an individual will develop cancer over a lifetime as a direct result of exposure to potential carcinogens. The estimated risk is expressed as a unitless probability. The cancer risk attributed to the emissions associated with the Project was calculated based on the modeled annual average DPM concentration, the intake factor for a resident child, the Cancer Potency Factors (CPF) for Diesel Particulate Matter (DPM), and the Age Sensitivity Factors (ASF).

2. The potential for exposure to result in adverse chronic noncancer effects is evaluated by comparing the estimated annual average air concentration to the noncancer chronic Reference Exposure Level (REL) for each chemical. When calculated for a single chemical, the comparison yields a ratio termed a chronic hazard quotient (HQ). To evaluate the potential for adverse chronic noncancer health effects from simultaneous exposure to multiple chemicals, the chronic hazard quotients for all chemicals are summed, yielding a hazard index (HI).

3. PM2.5 concentration and Non-Cancer Hazard Index represent annual values in the maximum year (2025 for PM2.5 and 2026 for the Non-Cancer Hazard Index). Cancer risk is cumulative over a lifetime. The addition of Project traffic to the Project construction impacts is conservative, as it assumes that the MEIR is exposed to both construction and full buildout operational emissions simultaneously starting with age third trimester.

4. Because State Route (SR) 4 is adjacent to the Project, all Project traffic impacts and cumulative highway impacts are assumed to come from SR-4. The BAAQMD cumulative analysis raster tool for highway sources appears to have modeled Brentwood Boulevard (a parallel road due east of SR-4) instead of SR-4. To estimate impacts from SR-4 for the Project and highway cumulative analyses, Ramboll performed a scaling analysis using the impacts modeled in the BAAQMD highway raster tool from Brentwood Boulevard. Ramboll identified the distance from the MEIR to SR-4 and determined the average impact at the equivalent distance from Brentwood Boulevard. Impacts were then scaled using Project traffic and SR-4 traffic, assuming Brentwood Boulevard was modeled using 30,000 annual average daily trips (AADT). SR-4 traffic was assumed to be 89,000 AADT (Caltrans 2014) and Project traffic was estimated in the DEIR to be 15,116 AADT. The BAAQMD cumulative analysis cancer risk raster tool assumes a 30-year lifetime exposure beginning in the third trimester, so this analysis is conservative in adding the construction impacts to the traffic impacts when in reality, the construction MEIR would not be exposed to Project traffic until after construction was complete.

5. Nearby cumulative sources are estimated based on BAAQMD cumulative analysis tools. Highway, roadway, and railway source impacts are estimated from the BAAQMD cumulative raster tools for PM2.5 concentration and lifetime excess cancer risk. These tools are not available for non-cancer hazard index. The nearby stationary source impact is based on the BAAQMD stationary source screening tool.

6. The Powerdrive Project published a Negative Declaration that indicates that air quality impacts will be less than significant (https://www.contracosta.ca.gov/DocumentCenter/View/64854/LP19-2019-Notice-of-Public-Reviewpdf-WEB-VERSION). The estimated cancer risk and PM2.5 impacts are conservative and likely to be much lower, given the MEIR location is more than 1,000 feet east of the Powerdrive Project close to SR-4.

Abbreviations:

BAAQMD - Bay Area Air Quality Management District

CEQA - California Environmental Quality Act

PM - particulate matter

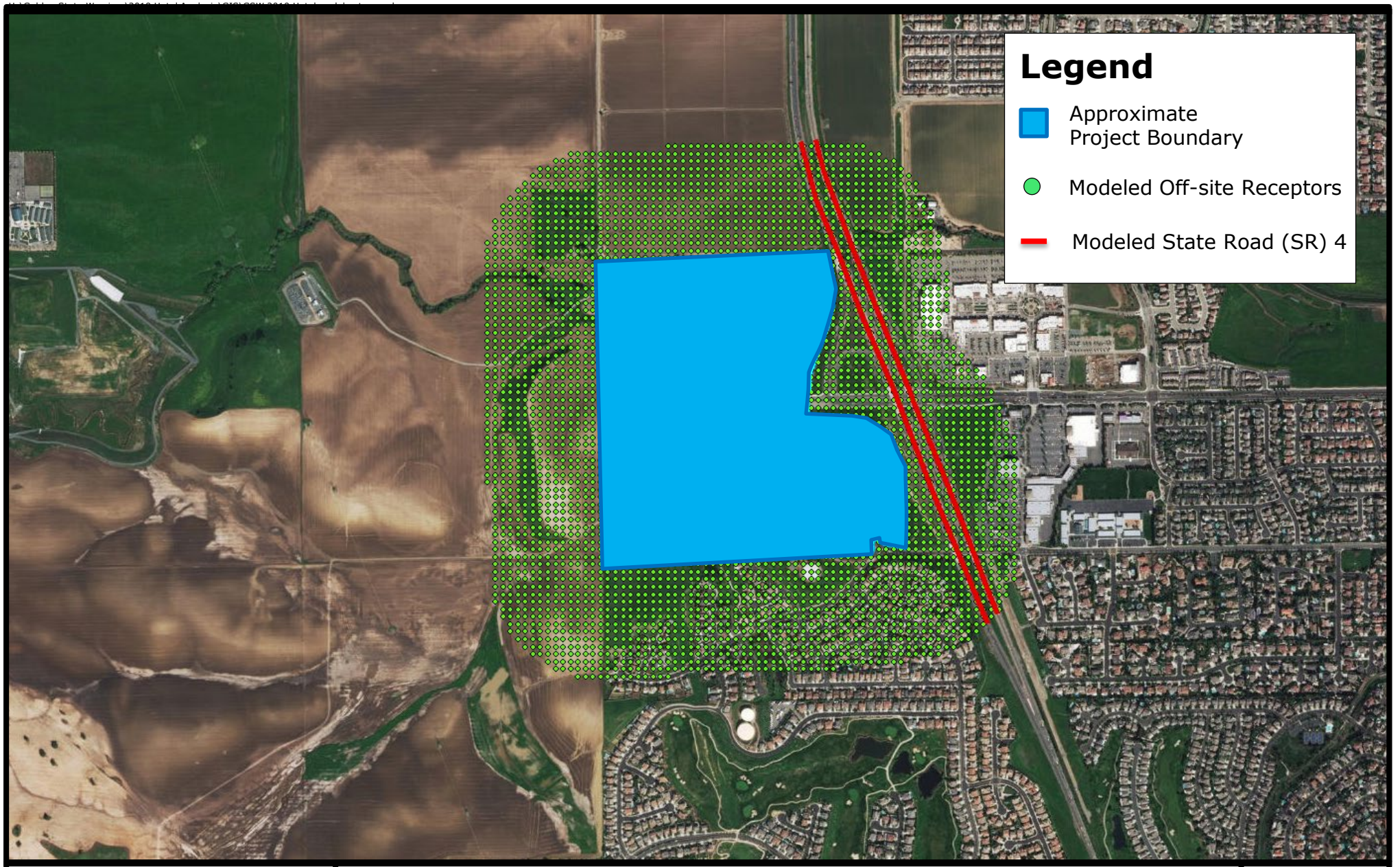
$\mu g/m^3$ - microgram per cubic meter

Reference:

BAAQMD. 2017. California Environmental Quality Act Air Quality Guidelines. May. Available at: http://www.baaqmd.gov/~/media/files/planning-and-research/ceqa/ceqa_guidelines_may2017-pdf.pdf?la=en

Caltrans. 2014. 2014 Traffic Volumes on California State Highways. Available at: https://dot.ca.gov/-/media/dot-media/programs/traffic-operations/documents/census/aadt/f0017652-2014-aadt-volumes.pdf

FIGURE

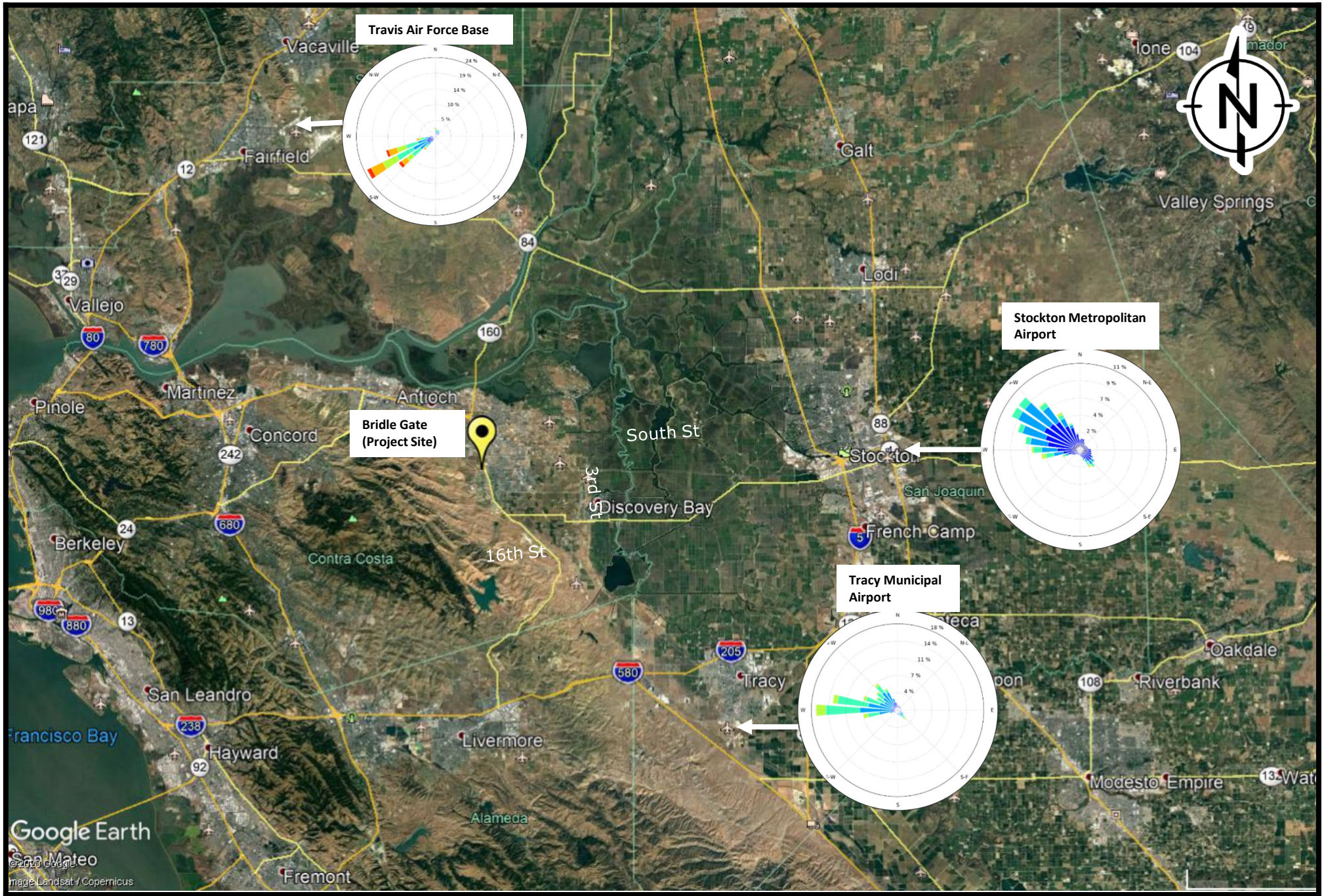


RAMBOLL

Project Location
Bridle Gate
Brentwood, California

FIGURE
1

DRAFTED BY: GM | DATE: 7/10/2020 | PROJECT:



RAMBOLL

Meteorological Data Options for Modeling

Bridle Gate
Brentwood, California

FIGURE
2

DRAFTED BY: GM | DATE: 7/10/2020 | PROJECT:

ATTACHMENT A: AERMOD MODEL

AERMOD Input File

```
CO STARTING
CO TITLEONE DB Bridlegate
CO TITLETWO LPK 20200618
CO MODELOPT CONC DFAULT
CO AVERTIME PERIOD
CO URBANOPT 64474 Brentwood_2019_Est
CO POLLUTID ALL
CO FLAGPOLE 1.8
CO RUNORNOT RUN
CO FINISHED


** Sources
SO STARTING
SO ELEVUNIT METERS
SO INCLUDED include/haul.srcs
SO EMISFACT SB_001-SB_152   HROFDY 7*0.0 10*2.4 7*0.0
SO EMISFACT NB_001-NB_155   HROFDY 7*0.0 10*2.4 7*0.0
SO INCLUDED include/conarea.vols.srcs
SO EMISFACT ON_0001-ON_1355   HROFDY 7*0.0 10*2.4 7*0.0
SO URBANSRC ALL
SO SRCGROUP SR4_SB  SB_001-SB_152
SO SRCGROUP SR4_NB  NB_001-NB_155
SO SRCGROUP CONAREA  ON_0001-ON_1355
SO FINISHED
```

AERMOD Input File

```
** Receptors
RE STARTING
RE INCLUDED ../aermap/aermap.recs/offsite.recs.xy.rec
RE FINISHED


** Meteorology
ME STARTING
ME SURFFILE ../aermet/Stockton_2013-2017.SFC
ME PROFFILE ../aermet/Stockton_2013-2017.PFL
ME PROFBASE 1.5 METERS
ME SURFDATA 23237 2013
ME UAIRDATA 23230 2013
ME FINISHED


NO ECHO


** Output files
OU STARTING
OU PLOTFILE PERIOD SR4_SB  SR4_SB.plot
OU PLOTFILE PERIOD SR4_NB  SR4_NB.plot
OU PLOTFILE PERIOD CONAREA  CONAREA.plot
OU FINISHED
```

Modeled Receptors

```
** AERMAP - VERSION 18081                                  06/12/20
**                                                         11:05:41
** DB Bridle Gate Receptors
**
** A total of       1  NED files were used
** A total of    4484  receptors were processed
** DOMAINXY 608960 4199060 10 611360 4201480 10
** ANCHORXY 610120 4200250 610120 4200250 10 4
** TERRHGTS EXTRACT


RE ELEVUNIT METERS
   DISCCART     609460.00   4200080.00      50.18     100.02
   DISCCART     609460.00   4200100.00      49.95     100.02
   DISCCART     609460.00   4200120.00      49.82     100.02
   DISCCART     609460.00   4200140.00      49.65     100.02
   DISCCART     609460.00   4200160.00      49.62     100.02
   DISCCART     609460.00   4200180.00      49.50     100.02
   DISCCART     609460.00   4200200.00      49.49     100.02
   DISCCART     609460.00   4200220.00      49.50     100.02
   DISCCART     609460.00   4200240.00      49.51     100.02
   DISCCART     609460.00   4200260.00      49.56     100.02
   DISCCART     609460.00   4200280.00      49.56     100.02
   DISCCART     609460.00   4200300.00      49.56     100.02
   DISCCART     609460.00   4200320.00      49.59     100.02
```

Modeled Receptors

```
   DISCCART     609460.00   4200340.00      49.65     100.02
   DISCCART     609460.00   4200360.00      49.71     100.02
   DISCCART     609460.00   4200380.00      49.77     100.02
   DISCCART     609460.00   4200400.00      49.87     100.02
   DISCCART     609460.00   4200420.00      50.11      99.47
   DISCCART     609460.00   4200440.00      50.36      93.21
   DISCCART     609460.00   4200460.00      50.62      93.21
   DISCCART     609460.00   4200480.00      50.92      86.66
   DISCCART     609460.00   4200500.00      50.92      86.66
   DISCCART     609460.00   4200520.00      50.78      86.66
   DISCCART     609460.00   4200540.00      50.50      86.66
   DISCCART     609460.00   4200560.00      50.18      86.66
   DISCCART     609460.00   4200580.00      49.77      86.66
   DISCCART     609460.00   4200600.00      49.42      86.66
   DISCCART     609460.00   4200620.00      49.38      86.66
   DISCCART     609460.00   4200640.00      49.39      86.41
   DISCCART     609460.00   4200660.00      49.52      49.52
   DISCCART     609460.00   4200680.00      49.58      49.58
   DISCCART     609460.00   4200700.00      49.58      49.58
   DISCCART     609460.00   4200720.00      49.62      49.62
   DISCCART     609480.00   4199760.00      52.71      93.21
   DISCCART     609480.00   4199780.00      51.65      93.21
   DISCCART     609480.00   4199800.00      50.35      93.21
   DISCCART     609480.00   4199820.00      49.86      99.09
```

Modeled Receptors

DISCCART	609480.00	4199840.00	49.79	99.52
DISCCART	609480.00	4199860.00	49.97	99.52
DISCCART	609480.00	4199880.00	49.99	99.70
DISCCART	609480.00	4199900.00	50.10	100.02
DISCCART	609480.00	4199920.00	50.20	100.02
DISCCART	609480.00	4199940.00	50.23	100.02
DISCCART	609480.00	4199960.00	50.29	100.02
DISCCART	609480.00	4199980.00	50.18	100.02
DISCCART	609480.00	4200000.00	49.99	100.02
DISCCART	609480.00	4200020.00	49.82	100.02
DISCCART	609480.00	4200040.00	49.65	100.02
DISCCART	609480.00	4200060.00	49.47	100.02
DISCCART	609480.00	4200080.00	49.33	100.02
DISCCART	609480.00	4200100.00	49.26	100.02
DISCCART	609480.00	4200120.00	49.17	100.02
DISCCART	609480.00	4200140.00	49.14	100.02
DISCCART	609480.00	4200160.00	49.08	100.02
DISCCART	609480.00	4200180.00	49.01	100.02
DISCCART	609480.00	4200200.00	49.01	100.02
DISCCART	609480.00	4200220.00	49.07	100.02
DISCCART	609480.00	4200240.00	49.12	100.02
DISCCART	609480.00	4200260.00	49.12	100.02
DISCCART	609480.00	4200280.00	49.20	100.02
DISCCART	609480.00	4200300.00	49.25	100.02

Modeled Receptors

DISCCART	609480.00	4200320.00	49.30	100.02
DISCCART	609480.00	4200340.00	49.42	100.02
DISCCART	609480.00	4200360.00	49.42	100.02
DISCCART	609480.00	4200380.00	49.43	99.73
DISCCART	609480.00	4200400.00	49.51	99.47
DISCCART	609480.00	4200420.00	49.65	93.21
DISCCART	609480.00	4200440.00	49.91	93.21
DISCCART	609480.00	4200460.00	50.24	93.21
DISCCART	609480.00	4200480.00	50.60	92.67
DISCCART	609480.00	4200500.00	50.83	86.66
DISCCART	609480.00	4200520.00	50.91	86.66
DISCCART	609480.00	4200540.00	50.67	86.66
DISCCART	609480.00	4200560.00	50.40	86.66
DISCCART	609480.00	4200580.00	50.06	86.66
DISCCART	609480.00	4200600.00	49.66	86.66
DISCCART	609480.00	4200620.00	49.42	86.66
DISCCART	609480.00	4200640.00	49.38	86.41
DISCCART	609480.00	4200660.00	49.38	49.38
DISCCART	609480.00	4200680.00	49.42	49.42
DISCCART	609480.00	4200700.00	49.42	49.42
DISCCART	609480.00	4200720.00	49.48	49.48
DISCCART	609480.00	4200740.00	49.48	49.48
DISCCART	609480.00	4200760.00	49.48	49.48
DISCCART	609480.00	4200780.00	49.48	49.48

Modeled Receptors

DISCCART	609500.00	4199720.00	54.23	93.21
DISCCART	609500.00	4199740.00	53.98	93.21
DISCCART	609500.00	4199760.00	53.47	93.21
DISCCART	609500.00	4199780.00	51.83	93.21
DISCCART	609500.00	4199800.00	50.38	93.21
DISCCART	609500.00	4199820.00	49.75	93.21
DISCCART	609500.00	4199840.00	49.51	99.09
DISCCART	609500.00	4199860.00	49.47	99.47
DISCCART	609500.00	4199880.00	49.44	99.52
DISCCART	609500.00	4199900.00	49.49	99.52
DISCCART	609500.00	4199920.00	49.56	100.02
DISCCART	609500.00	4199940.00	49.57	100.02
DISCCART	609500.00	4199960.00	49.53	100.02
DISCCART	609500.00	4199980.00	49.43	100.02
DISCCART	609500.00	4200000.00	49.32	100.02
DISCCART	609500.00	4200020.00	49.21	100.02
DISCCART	609500.00	4200040.00	49.08	100.02
DISCCART	609500.00	4200060.00	49.04	100.02
DISCCART	609500.00	4200080.00	49.08	100.02
DISCCART	609500.00	4200100.00	49.22	100.02
DISCCART	609500.00	4200120.00	49.58	100.02
DISCCART	609500.00	4200140.00	49.96	100.02
DISCCART	609500.00	4200160.00	50.49	100.02
DISCCART	609500.00	4200180.00	50.98	100.02

Modeled Receptors

DISCCART	609500.00	4200200.00	51.19	100.02
DISCCART	609500.00	4200220.00	51.29	100.02
DISCCART	609500.00	4200240.00	51.33	100.02
DISCCART	609500.00	4200260.00	51.32	100.02
DISCCART	609500.00	4200280.00	51.36	100.02
DISCCART	609500.00	4200300.00	51.04	99.70
DISCCART	609500.00	4200320.00	50.52	99.70
DISCCART	609500.00	4200340.00	49.67	99.70
DISCCART	609500.00	4200360.00	49.23	99.67
DISCCART	609500.00	4200380.00	49.31	99.47
DISCCART	609500.00	4200400.00	49.38	93.21
DISCCART	609500.00	4200420.00	49.44	93.21
DISCCART	609500.00	4200440.00	49.55	93.21
DISCCART	609500.00	4200460.00	49.83	93.21
DISCCART	609500.00	4200480.00	50.25	93.21
DISCCART	609500.00	4200500.00	50.53	86.66
DISCCART	609500.00	4200520.00	50.69	86.66
DISCCART	609500.00	4200540.00	50.58	86.66
DISCCART	609500.00	4200560.00	50.36	86.66
DISCCART	609500.00	4200580.00	50.15	86.66
DISCCART	609500.00	4200600.00	49.84	86.66
DISCCART	609500.00	4200620.00	49.50	86.66
DISCCART	609500.00	4200640.00	49.32	86.59
DISCCART	609500.00	4200660.00	49.30	85.41

Modeled Receptors

DISCCART	609500.00	4200680.00	49.25	49.25
DISCCART	609500.00	4200700.00	49.22	49.22
DISCCART	609500.00	4200720.00	49.28	49.28
DISCCART	609500.00	4200740.00	49.32	49.32
DISCCART	609500.00	4200760.00	49.32	49.32
DISCCART	609500.00	4200780.00	49.32	49.32
DISCCART	609500.00	4200800.00	49.32	49.32
DISCCART	609500.00	4200820.00	49.32	49.32
DISCCART	609520.00	4199680.00	55.24	92.69
DISCCART	609520.00	4199700.00	55.13	93.13
DISCCART	609520.00	4199720.00	55.10	93.21
DISCCART	609520.00	4199740.00	54.97	93.21
DISCCART	609520.00	4199760.00	54.31	93.21
DISCCART	609520.00	4199780.00	53.16	93.21
DISCCART	609520.00	4199800.00	51.76	93.21
DISCCART	609520.00	4199820.00	50.81	93.21
DISCCART	609520.00	4199840.00	49.97	93.21
DISCCART	609520.00	4199860.00	49.61	94.53
DISCCART	609520.00	4199880.00	49.29	99.09
DISCCART	609520.00	4199900.00	49.21	99.52
DISCCART	609520.00	4199920.00	49.22	99.52
DISCCART	609520.00	4199940.00	49.21	99.52
DISCCART	609520.00	4199960.00	49.21	100.02
DISCCART	609520.00	4199980.00	49.83	100.02

Modeled Receptors

DISCCART	609520.00	4200000.00	50.54	100.02
DISCCART	609520.00	4200020.00	51.22	99.70
DISCCART	609520.00	4200040.00	52.03	99.52
DISCCART	609520.00	4200060.00	52.83	99.52
DISCCART	609520.00	4200080.00	53.58	99.52
DISCCART	609520.00	4200100.00	54.22	99.47
DISCCART	609520.00	4200120.00	55.05	99.09
DISCCART	609520.00	4200140.00	56.09	93.21
DISCCART	609520.00	4200160.00	57.02	93.21
DISCCART	609520.00	4200180.00	57.46	93.21
DISCCART	609520.00	4200200.00	57.87	93.21
DISCCART	609520.00	4200220.00	58.10	93.21
DISCCART	609520.00	4200240.00	58.29	93.21
DISCCART	609520.00	4200260.00	58.59	93.21
DISCCART	609520.00	4200280.00	58.81	93.21
DISCCART	609520.00	4200300.00	58.15	93.21
DISCCART	609520.00	4200320.00	56.65	93.21
DISCCART	609520.00	4200340.00	55.11	93.21
DISCCART	609520.00	4200360.00	52.46	93.21
DISCCART	609520.00	4200380.00	49.98	93.21
DISCCART	609520.00	4200400.00	49.35	93.21
DISCCART	609520.00	4200420.00	49.33	93.21
DISCCART	609520.00	4200440.00	49.45	93.21
DISCCART	609520.00	4200460.00	49.58	93.21

Modeled Receptors

DISCCART	609520.00	4200480.00	49.84	93.21
DISCCART	609520.00	4200500.00	50.19	92.26
DISCCART	609520.00	4200520.00	50.43	86.66
DISCCART	609520.00	4200540.00	50.47	86.66
DISCCART	609520.00	4200560.00	50.28	86.66
DISCCART	609520.00	4200580.00	50.06	86.66
DISCCART	609520.00	4200600.00	49.79	86.66
DISCCART	609520.00	4200620.00	49.49	86.66
DISCCART	609520.00	4200640.00	49.28	86.59
DISCCART	609520.00	4200660.00	49.25	86.21
DISCCART	609520.00	4200680.00	49.18	49.18
DISCCART	609520.00	4200700.00	49.11	49.11
DISCCART	609520.00	4200720.00	49.12	49.12
DISCCART	609520.00	4200740.00	49.12	49.12
DISCCART	609520.00	4200760.00	49.12	49.12
DISCCART	609520.00	4200780.00	49.12	49.12
DISCCART	609520.00	4200800.00	49.12	49.12
DISCCART	609520.00	4200820.00	49.11	49.11
DISCCART	609520.00	4200840.00	49.12	49.12
DISCCART	609540.00	4199660.00	56.50	92.69
DISCCART	609540.00	4199680.00	56.40	92.69
DISCCART	609540.00	4199700.00	56.19	93.13
DISCCART	609540.00	4199720.00	55.92	93.21
DISCCART	609540.00	4199740.00	55.57	93.21

Modeled Receptors

DISCCART	609540.00	4199760.00	55.04	93.21
DISCCART	609540.00	4199780.00	54.15	93.21
DISCCART	609540.00	4199800.00	53.08	93.21
DISCCART	609540.00	4199820.00	51.99	93.21
DISCCART	609540.00	4199840.00	51.19	93.21
DISCCART	609540.00	4199860.00	50.58	93.21
DISCCART	609540.00	4199880.00	49.95	93.21
DISCCART	609540.00	4199900.00	49.73	93.82
DISCCART	609540.00	4199920.00	50.15	97.64
DISCCART	609540.00	4199940.00	51.67	93.21
DISCCART	609540.00	4199960.00	53.74	93.21
DISCCART	609540.00	4199980.00	55.21	93.21
DISCCART	609540.00	4200000.00	56.72	93.21
DISCCART	609540.00	4200020.00	58.19	93.21
DISCCART	609540.00	4200040.00	59.23	93.21
DISCCART	609540.00	4200060.00	60.18	93.21
DISCCART	609540.00	4200080.00	61.28	93.21
DISCCART	609540.00	4200100.00	62.17	93.21
DISCCART	609540.00	4200120.00	62.67	93.21
DISCCART	609540.00	4200140.00	63.13	93.21
DISCCART	609540.00	4200160.00	63.56	93.21
DISCCART	609540.00	4200180.00	64.27	93.21
DISCCART	609540.00	4200200.00	66.13	93.21
DISCCART	609540.00	4200220.00	68.50	93.21

Modeled Receptors

DISCCART	609540.00	4200240.00	70.28	93.21
DISCCART	609540.00	4200260.00	70.51	93.21
DISCCART	609540.00	4200280.00	70.25	93.21
DISCCART	609540.00	4200300.00	68.09	93.21
DISCCART	609540.00	4200320.00	64.71	93.21
DISCCART	609540.00	4200340.00	61.52	93.21
DISCCART	609540.00	4200360.00	58.55	93.21
DISCCART	609540.00	4200380.00	55.12	93.21
DISCCART	609540.00	4200400.00	51.43	93.21
DISCCART	609540.00	4200420.00	49.29	93.21
DISCCART	609540.00	4200440.00	49.40	93.21
DISCCART	609540.00	4200460.00	49.49	93.21
DISCCART	609540.00	4200480.00	49.59	93.21
DISCCART	609540.00	4200500.00	49.83	92.76
DISCCART	609540.00	4200520.00	50.09	86.66
DISCCART	609540.00	4200540.00	50.23	86.66
DISCCART	609540.00	4200560.00	50.14	86.66
DISCCART	609540.00	4200580.00	49.94	86.66
DISCCART	609540.00	4200600.00	49.72	86.66
DISCCART	609540.00	4200620.00	49.38	86.66
DISCCART	609540.00	4200640.00	49.28	86.59
DISCCART	609540.00	4200660.00	49.20	86.21
DISCCART	609540.00	4200680.00	49.12	49.12
DISCCART	609540.00	4200700.00	49.06	49.06

Modeled Receptors

DISCCART	609540.00	4200720.00	49.01	49.01
DISCCART	609540.00	4200740.00	48.95	48.95
DISCCART	609540.00	4200760.00	48.92	48.92
DISCCART	609540.00	4200780.00	48.92	48.92
DISCCART	609540.00	4200800.00	48.93	48.93
DISCCART	609540.00	4200820.00	48.94	48.94
DISCCART	609540.00	4200840.00	48.92	48.92
DISCCART	609540.00	4200860.00	48.92	48.92
DISCCART	609560.00	4199640.00	58.26	92.69
DISCCART	609560.00	4199660.00	58.58	92.69
DISCCART	609560.00	4199680.00	58.53	92.69
DISCCART	609560.00	4199700.00	58.18	92.69
DISCCART	609560.00	4199720.00	57.76	93.13
DISCCART	609560.00	4199740.00	57.10	93.21
DISCCART	609560.00	4199760.00	56.19	93.21
DISCCART	609560.00	4199780.00	55.12	93.21
DISCCART	609560.00	4199800.00	54.03	93.21
DISCCART	609560.00	4199820.00	53.03	93.21
DISCCART	609560.00	4199840.00	52.16	93.21
DISCCART	609560.00	4199860.00	51.55	93.21
DISCCART	609560.00	4199880.00	51.22	93.21
DISCCART	609560.00	4199900.00	51.98	93.21
DISCCART	609560.00	4199920.00	54.41	93.21
DISCCART	609560.00	4199940.00	57.26	93.21

Modeled Receptors

DISCCART	609560.00	4199960.00	59.52	93.21
DISCCART	609560.00	4199980.00	61.82	93.21
DISCCART	609560.00	4200000.00	65.13	93.21
DISCCART	609560.00	4200020.00	68.59	93.21
DISCCART	609560.00	4200040.00	70.88	93.21
DISCCART	609560.00	4200060.00	71.60	93.21
DISCCART	609560.00	4200080.00	72.41	93.21
DISCCART	609560.00	4200100.00	73.24	93.21
DISCCART	609560.00	4200120.00	74.02	93.21
DISCCART	609560.00	4200140.00	74.52	93.21
DISCCART	609560.00	4200160.00	75.04	93.21
DISCCART	609560.00	4200180.00	76.56	93.21
DISCCART	609560.00	4200200.00	78.88	93.21
DISCCART	609560.00	4200220.00	80.88	86.66
DISCCART	609560.00	4200240.00	82.54	86.66
DISCCART	609560.00	4200260.00	83.32	86.66
DISCCART	609560.00	4200280.00	83.41	86.66
DISCCART	609560.00	4200300.00	82.17	86.66
DISCCART	609560.00	4200320.00	76.62	86.66
DISCCART	609560.00	4200340.00	70.73	86.66
DISCCART	609560.00	4200360.00	64.43	92.27
DISCCART	609560.00	4200380.00	60.70	93.21
DISCCART	609560.00	4200400.00	56.19	93.21
DISCCART	609560.00	4200420.00	51.65	93.21

Modeled Receptors

DISCCART	609560.00	4200440.00	49.36	93.21
DISCCART	609560.00	4200460.00	49.42	93.21
DISCCART	609560.00	4200480.00	49.49	93.21
DISCCART	609560.00	4200500.00	49.58	93.21
DISCCART	609560.00	4200520.00	49.82	86.66
DISCCART	609560.00	4200540.00	50.01	86.66
DISCCART	609560.00	4200560.00	49.97	86.66
DISCCART	609560.00	4200580.00	49.77	86.66
DISCCART	609560.00	4200600.00	49.53	86.66
DISCCART	609560.00	4200620.00	49.25	86.66
DISCCART	609560.00	4200640.00	49.25	86.66
DISCCART	609560.00	4200660.00	49.13	86.21
DISCCART	609560.00	4200680.00	48.99	48.99
DISCCART	609560.00	4200700.00	48.91	48.91
DISCCART	609560.00	4200720.00	48.90	48.90
DISCCART	609560.00	4200740.00	48.87	48.87
DISCCART	609560.00	4200760.00	48.81	48.81
DISCCART	609560.00	4200780.00	48.80	48.80
DISCCART	609560.00	4200800.00	48.76	48.76
DISCCART	609560.00	4200820.00	48.63	48.63
DISCCART	609560.00	4200840.00	48.63	48.63
DISCCART	609560.00	4200860.00	48.66	48.66
DISCCART	609560.00	4200880.00	48.71	48.71
DISCCART	609580.00	4199620.00	59.73	92.69

Modeled Receptors

DISCCART	609580.00	4199640.00	60.60	92.69
DISCCART	609580.00	4199660.00	61.04	92.69
DISCCART	609580.00	4199680.00	60.93	92.69
DISCCART	609580.00	4199700.00	60.33	92.69
DISCCART	609580.00	4199720.00	59.73	92.69
DISCCART	609580.00	4199740.00	58.96	93.21
DISCCART	609580.00	4199760.00	57.82	93.21
DISCCART	609580.00	4199780.00	56.05	93.21
DISCCART	609580.00	4199800.00	54.78	93.21
DISCCART	609580.00	4199820.00	53.83	93.21
DISCCART	609580.00	4199840.00	53.09	93.21
DISCCART	609580.00	4199860.00	52.54	93.21
DISCCART	609580.00	4199880.00	52.33	93.21
DISCCART	609580.00	4199900.00	53.77	93.21
DISCCART	609580.00	4199920.00	56.57	93.21
DISCCART	609580.00	4199940.00	60.95	93.21
DISCCART	609580.00	4199960.00	66.57	93.21
DISCCART	609580.00	4199980.00	71.34	93.21
DISCCART	609580.00	4200000.00	75.23	93.21
DISCCART	609580.00	4200020.00	78.66	93.21
DISCCART	609580.00	4200040.00	81.32	93.21
DISCCART	609580.00	4200060.00	82.80	93.21
DISCCART	609580.00	4200080.00	83.45	93.21
DISCCART	609580.00	4200100.00	83.86	93.21

Modeled Receptors

DISCCART	609580.00	4200120.00	84.15	93.21
DISCCART	609580.00	4200140.00	84.79	93.21
DISCCART	609580.00	4200160.00	85.51	86.65
DISCCART	609580.00	4200180.00	85.84	85.84
DISCCART	609580.00	4200200.00	85.99	85.99
DISCCART	609580.00	4200220.00	86.12	86.12
DISCCART	609580.00	4200240.00	86.20	86.20
DISCCART	609580.00	4200260.00	85.93	85.93
DISCCART	609580.00	4200280.00	85.62	85.62
DISCCART	609580.00	4200300.00	85.28	85.84
DISCCART	609580.00	4200320.00	83.52	86.21
DISCCART	609580.00	4200340.00	78.91	86.66
DISCCART	609580.00	4200360.00	71.12	86.66
DISCCART	609580.00	4200380.00	65.24	86.66
DISCCART	609580.00	4200400.00	59.94	93.21
DISCCART	609580.00	4200420.00	54.98	93.21
DISCCART	609580.00	4200440.00	50.48	93.21
DISCCART	609580.00	4200460.00	49.06	93.21
DISCCART	609580.00	4200480.00	49.16	93.21
DISCCART	609580.00	4200500.00	49.40	93.21
DISCCART	609580.00	4200520.00	49.50	86.66
DISCCART	609580.00	4200540.00	49.64	86.66
DISCCART	609580.00	4200560.00	49.65	86.66
DISCCART	609580.00	4200580.00	49.52	86.66

Modeled Receptors

DISCCART	609580.00	4200600.00	49.36	86.66
DISCCART	609580.00	4200620.00	49.04	86.66
DISCCART	609580.00	4200640.00	49.08	86.66
DISCCART	609580.00	4200660.00	48.98	86.41
DISCCART	609580.00	4200680.00	48.87	48.87
DISCCART	609580.00	4200700.00	48.73	48.73
DISCCART	609580.00	4200720.00	48.65	48.65
DISCCART	609580.00	4200740.00	48.63	48.63
DISCCART	609580.00	4200760.00	48.62	48.62
DISCCART	609580.00	4200780.00	48.56	48.56
DISCCART	609580.00	4200800.00	48.49	48.49
DISCCART	609580.00	4200820.00	48.48	48.48
DISCCART	609580.00	4200840.00	48.48	48.48
DISCCART	609580.00	4200860.00	48.51	48.51
DISCCART	609580.00	4200880.00	48.53	48.53
DISCCART	609580.00	4200900.00	48.57	48.57
DISCCART	609600.00	4199620.00	61.78	92.69
DISCCART	609600.00	4199640.00	63.80	92.69
DISCCART	609600.00	4199660.00	64.84	92.69
DISCCART	609600.00	4199680.00	64.75	92.69
DISCCART	609600.00	4199700.00	63.77	92.69
DISCCART	609600.00	4199720.00	62.39	92.69
DISCCART	609600.00	4199740.00	61.11	92.69
DISCCART	609600.00	4199760.00	59.73	93.21

Modeled Receptors

DISCCART	609600.00	4199780.00	57.59	93.21
DISCCART	609600.00	4199800.00	55.56	93.21
DISCCART	609600.00	4199820.00	54.70	93.21
DISCCART	609600.00	4199840.00	54.03	93.21
DISCCART	609600.00	4199860.00	53.43	93.21
DISCCART	609600.00	4199880.00	52.89	93.21
DISCCART	609600.00	4199900.00	54.40	93.21
DISCCART	609600.00	4199920.00	58.12	93.21
DISCCART	609600.00	4199940.00	63.83	93.21
DISCCART	609600.00	4199960.00	70.02	93.21
DISCCART	609600.00	4199980.00	75.27	93.21
DISCCART	609600.00	4200000.00	80.91	93.21
DISCCART	609600.00	4200020.00	86.19	93.21
DISCCART	609600.00	4200040.00	89.40	93.21
DISCCART	609600.00	4200060.00	91.08	93.21
DISCCART	609600.00	4200080.00	91.07	93.21
DISCCART	609600.00	4200100.00	89.10	93.21
DISCCART	609600.00	4200120.00	88.17	93.21
DISCCART	609600.00	4200140.00	86.96	92.26
DISCCART	609600.00	4200160.00	85.75	85.75
DISCCART	609600.00	4200180.00	85.03	85.03
DISCCART	609600.00	4200200.00	84.57	84.57
DISCCART	609600.00	4200220.00	84.36	84.36
DISCCART	609600.00	4200240.00	84.09	86.51

Modeled Receptors

DISCCART	609600.00	4200260.00	83.62	86.51
DISCCART	609600.00	4200280.00	83.12	86.66
DISCCART	609600.00	4200300.00	82.54	86.59
DISCCART	609600.00	4200320.00	81.69	86.41
DISCCART	609600.00	4200340.00	80.51	86.21
DISCCART	609600.00	4200360.00	76.72	86.66
DISCCART	609600.00	4200380.00	70.20	86.66
DISCCART	609600.00	4200400.00	63.52	86.66
DISCCART	609600.00	4200420.00	57.57	93.21
DISCCART	609600.00	4200440.00	52.67	93.21
DISCCART	609600.00	4200460.00	48.96	93.21
DISCCART	609600.00	4200480.00	47.93	93.21
DISCCART	609600.00	4200500.00	49.03	93.21
DISCCART	609600.00	4200520.00	49.12	92.27
DISCCART	609600.00	4200540.00	49.23	86.66
DISCCART	609600.00	4200560.00	49.24	86.66
DISCCART	609600.00	4200580.00	49.19	86.66
DISCCART	609600.00	4200600.00	48.85	86.66
DISCCART	609600.00	4200620.00	48.75	86.66
DISCCART	609600.00	4200640.00	48.75	86.66
DISCCART	609600.00	4200660.00	48.66	86.41
DISCCART	609600.00	4200680.00	48.53	48.53
DISCCART	609600.00	4200700.00	48.42	48.42
DISCCART	609600.00	4200720.00	48.39	48.39

Modeled Receptors

DISCCART	609600.00	4200740.00	48.31	48.31
DISCCART	609600.00	4200760.00	48.30	48.30
DISCCART	609600.00	4200780.00	48.31	48.31
DISCCART	609600.00	4200800.00	48.29	48.29
DISCCART	609600.00	4200820.00	48.31	48.31
DISCCART	609600.00	4200840.00	48.31	48.31
DISCCART	609600.00	4200860.00	48.31	48.31
DISCCART	609600.00	4200880.00	48.25	48.25
DISCCART	609600.00	4200900.00	48.23	48.23
DISCCART	609600.00	4200920.00	48.29	48.29
DISCCART	609620.00	4199600.00	62.12	92.69
DISCCART	609620.00	4199620.00	65.05	92.69
DISCCART	609620.00	4199640.00	67.85	92.69
DISCCART	609620.00	4199660.00	69.35	92.69
DISCCART	609620.00	4199680.00	69.88	92.69
DISCCART	609620.00	4199700.00	70.62	92.69
DISCCART	609620.00	4199720.00	69.68	92.69
DISCCART	609620.00	4199740.00	65.40	92.69
DISCCART	609620.00	4199760.00	61.76	93.21
DISCCART	609620.00	4199780.00	59.26	93.21
DISCCART	609620.00	4199800.00	57.00	93.21
DISCCART	609620.00	4199820.00	55.75	93.21
DISCCART	609620.00	4199840.00	55.12	93.21
DISCCART	609620.00	4199860.00	54.50	93.21

Modeled Receptors

DISCCART	609620.00	4199880.00	53.61	93.21
DISCCART	609620.00	4199900.00	54.44	93.21
DISCCART	609620.00	4199920.00	59.19	93.21
DISCCART	609620.00	4199940.00	65.24	93.21
DISCCART	609620.00	4199960.00	71.30	93.21
DISCCART	609620.00	4199980.00	76.88	93.21
DISCCART	609620.00	4200000.00	83.23	93.21
DISCCART	609620.00	4200020.00	87.71	93.21
DISCCART	609620.00	4200040.00	90.91	92.45
DISCCART	609620.00	4200060.00	92.80	92.80
DISCCART	609620.00	4200080.00	92.81	92.81
DISCCART	609620.00	4200100.00	91.58	91.58
DISCCART	609620.00	4200120.00	88.60	92.76
DISCCART	609620.00	4200140.00	86.01	93.21
DISCCART	609620.00	4200160.00	84.41	92.76
DISCCART	609620.00	4200180.00	82.78	92.76
DISCCART	609620.00	4200200.00	81.86	86.23
DISCCART	609620.00	4200220.00	81.33	86.51
DISCCART	609620.00	4200240.00	80.82	86.66
DISCCART	609620.00	4200260.00	80.54	86.66
DISCCART	609620.00	4200280.00	80.20	86.66
DISCCART	609620.00	4200300.00	79.68	86.66
DISCCART	609620.00	4200320.00	79.24	86.59
DISCCART	609620.00	4200340.00	78.69	86.41

Modeled Receptors

DISCCART	609620.00	4200360.00	76.88	86.41
DISCCART	609620.00	4200380.00	73.22	86.66
DISCCART	609620.00	4200400.00	67.27	86.66
DISCCART	609620.00	4200420.00	59.46	92.27
DISCCART	609620.00	4200440.00	54.14	93.21
DISCCART	609620.00	4200460.00	49.45	93.21
DISCCART	609620.00	4200480.00	47.26	93.21
DISCCART	609620.00	4200500.00	48.69	93.21
DISCCART	609620.00	4200520.00	48.66	92.76
DISCCART	609620.00	4200540.00	48.78	86.66
DISCCART	609620.00	4200560.00	48.66	86.66
DISCCART	609620.00	4200580.00	48.50	86.66
DISCCART	609620.00	4200600.00	48.53	86.66
DISCCART	609620.00	4200620.00	48.54	86.66
DISCCART	609620.00	4200640.00	48.41	86.66
DISCCART	609620.00	4200660.00	48.28	86.41
DISCCART	609620.00	4200680.00	48.24	48.24
DISCCART	609620.00	4200700.00	48.21	48.21
DISCCART	609620.00	4200720.00	48.07	48.07
DISCCART	609620.00	4200740.00	48.04	48.04
DISCCART	609620.00	4200760.00	48.10	48.10
DISCCART	609620.00	4200780.00	48.14	48.14
DISCCART	609620.00	4200800.00	48.12	48.12
DISCCART	609620.00	4200820.00	48.10	48.10

Modeled Receptors

DISCCART	609620.00	4200840.00	48.10	48.10
DISCCART	609620.00	4200860.00	48.12	48.12
DISCCART	609620.00	4200880.00	48.07	48.07
DISCCART	609620.00	4200900.00	48.04	48.04
DISCCART	609620.00	4200920.00	48.04	48.04
DISCCART	609640.00	4199580.00	61.26	92.69
DISCCART	609640.00	4199600.00	65.36	92.69
DISCCART	609640.00	4199620.00	69.14	92.69
DISCCART	609640.00	4199640.00	71.97	92.69
DISCCART	609640.00	4199660.00	73.92	92.69
DISCCART	609640.00	4199680.00	76.29	92.69
DISCCART	609640.00	4199700.00	77.74	92.69
DISCCART	609640.00	4199720.00	75.87	92.69
DISCCART	609640.00	4199740.00	70.21	92.69
DISCCART	609640.00	4199760.00	64.55	92.69
DISCCART	609640.00	4199780.00	60.62	93.21
DISCCART	609640.00	4199800.00	58.85	93.21
DISCCART	609640.00	4199820.00	57.77	93.21
DISCCART	609640.00	4199840.00	56.87	93.21
DISCCART	609640.00	4199860.00	55.73	93.21
DISCCART	609640.00	4199880.00	54.90	93.21
DISCCART	609640.00	4199900.00	54.88	93.21
DISCCART	609640.00	4199920.00	60.14	93.21
DISCCART	609640.00	4199940.00	65.91	93.21

Modeled Receptors

DISCCART	609640.00	4199960.00	71.09	93.21
DISCCART	609640.00	4199980.00	76.30	93.21
DISCCART	609640.00	4200000.00	82.08	93.21
DISCCART	609640.00	4200020.00	86.83	93.21
DISCCART	609640.00	4200040.00	89.40	93.13
DISCCART	609640.00	4200060.00	91.27	91.80
DISCCART	609640.00	4200080.00	91.34	91.78
DISCCART	609640.00	4200100.00	90.15	92.49
DISCCART	609640.00	4200120.00	87.13	93.21
DISCCART	609640.00	4200140.00	84.57	93.21
DISCCART	609640.00	4200160.00	82.27	93.21
DISCCART	609640.00	4200180.00	79.79	93.21
DISCCART	609640.00	4200200.00	77.81	93.21
DISCCART	609640.00	4200220.00	77.08	93.21
DISCCART	609640.00	4200240.00	76.82	92.27
DISCCART	609640.00	4200260.00	76.67	86.66
DISCCART	609640.00	4200280.00	76.51	86.66
DISCCART	609640.00	4200300.00	76.29	86.66
DISCCART	609640.00	4200320.00	76.03	86.66
DISCCART	609640.00	4200340.00	75.54	86.66
DISCCART	609640.00	4200360.00	74.85	86.66
DISCCART	609640.00	4200380.00	72.94	86.66
DISCCART	609640.00	4200400.00	68.56	86.66
DISCCART	609640.00	4200420.00	61.10	86.66

Modeled Receptors

DISCCART	609640.00	4200440.00	55.26	93.21
DISCCART	609640.00	4200460.00	49.84	93.21
DISCCART	609640.00	4200480.00	46.65	93.21
DISCCART	609640.00	4200500.00	48.21	93.21
DISCCART	609640.00	4200520.00	48.33	92.76
DISCCART	609640.00	4200540.00	48.32	86.66
DISCCART	609640.00	4200560.00	48.21	86.66
DISCCART	609640.00	4200580.00	48.21	86.66
DISCCART	609640.00	4200600.00	48.23	86.66
DISCCART	609640.00	4200620.00	48.26	86.66
DISCCART	609640.00	4200640.00	48.09	86.66
DISCCART	609640.00	4200660.00	48.02	86.41
DISCCART	609640.00	4200680.00	47.97	47.97
DISCCART	609640.00	4200700.00	47.97	47.97
DISCCART	609640.00	4200720.00	47.95	47.95
DISCCART	609640.00	4200740.00	47.93	47.93
DISCCART	609640.00	4200760.00	47.86	47.86
DISCCART	609640.00	4200780.00	47.92	47.92
DISCCART	609640.00	4200800.00	48.03	48.03
DISCCART	609640.00	4200820.00	48.01	48.01
DISCCART	609640.00	4200840.00	48.00	48.00
DISCCART	609640.00	4200860.00	47.94	47.94
DISCCART	609640.00	4200880.00	47.95	47.95
DISCCART	609640.00	4200900.00	47.91	47.91

Modeled Receptors

DISCCART	609640.00	4200920.00	47.85	47.85
DISCCART	609640.00	4200940.00	47.82	47.82
DISCCART	609660.00	4199580.00	61.08	92.69
DISCCART	609660.00	4199600.00	67.35	92.69
DISCCART	609660.00	4199620.00	72.39	92.69
DISCCART	609660.00	4199640.00	76.55	92.69
DISCCART	609660.00	4199660.00	81.45	92.69
DISCCART	609660.00	4199680.00	84.95	92.69
DISCCART	609660.00	4199700.00	84.43	92.69
DISCCART	609660.00	4199720.00	80.80	92.69
DISCCART	609660.00	4199740.00	74.92	92.69
DISCCART	609660.00	4199760.00	67.28	92.69
DISCCART	609660.00	4199780.00	61.53	93.21
DISCCART	609660.00	4199800.00	60.59	93.21
DISCCART	609660.00	4199820.00	60.26	93.21
DISCCART	609660.00	4199840.00	59.65	93.21
DISCCART	609660.00	4199860.00	58.46	93.21
DISCCART	609660.00	4199880.00	56.62	93.21
DISCCART	609660.00	4199900.00	56.26	93.21
DISCCART	609660.00	4199920.00	61.38	93.21
DISCCART	609660.00	4199940.00	65.93	93.21
DISCCART	609660.00	4199960.00	70.09	93.21
DISCCART	609660.00	4199980.00	74.10	93.21
DISCCART	609660.00	4200000.00	79.62	93.21

Modeled Receptors

DISCCART	609660.00	4200020.00	83.98	93.21
DISCCART	609660.00	4200040.00	86.75	93.21
DISCCART	609660.00	4200060.00	88.28	93.21
DISCCART	609660.00	4200080.00	88.52	93.03
DISCCART	609660.00	4200100.00	87.32	93.21
DISCCART	609660.00	4200120.00	85.02	93.21
DISCCART	609660.00	4200140.00	82.71	93.21
DISCCART	609660.00	4200160.00	80.36	93.21
DISCCART	609660.00	4200180.00	76.53	93.21
DISCCART	609660.00	4200200.00	73.46	93.21
DISCCART	609660.00	4200220.00	71.99	93.21
DISCCART	609660.00	4200240.00	71.70	93.21
DISCCART	609660.00	4200260.00	71.92	93.21
DISCCART	609660.00	4200280.00	72.10	92.76
DISCCART	609660.00	4200300.00	72.14	86.66
DISCCART	609660.00	4200320.00	72.03	86.66
DISCCART	609660.00	4200340.00	71.65	86.66
DISCCART	609660.00	4200360.00	71.17	86.66
DISCCART	609660.00	4200380.00	69.83	86.66
DISCCART	609660.00	4200400.00	67.09	86.66
DISCCART	609660.00	4200420.00	61.47	86.66
DISCCART	609660.00	4200440.00	56.13	92.76
DISCCART	609660.00	4200460.00	49.97	93.21
DISCCART	609660.00	4200480.00	46.49	93.21

Modeled Receptors

DISCCART	609660.00	4200500.00	47.44	93.21
DISCCART	609660.00	4200520.00	48.09	93.21
DISCCART	609660.00	4200540.00	48.05	86.66
DISCCART	609660.00	4200560.00	47.94	86.66
DISCCART	609660.00	4200580.00	47.83	86.66
DISCCART	609660.00	4200600.00	47.84	86.66
DISCCART	609660.00	4200620.00	47.79	86.66
DISCCART	609660.00	4200640.00	47.75	86.66
DISCCART	609660.00	4200660.00	47.73	86.41
DISCCART	609660.00	4200680.00	47.73	47.73
DISCCART	609660.00	4200700.00	47.78	47.78
DISCCART	609660.00	4200720.00	47.76	47.76
DISCCART	609660.00	4200740.00	47.78	47.78
DISCCART	609660.00	4200760.00	47.81	47.81
DISCCART	609660.00	4200780.00	47.82	47.82
DISCCART	609660.00	4200800.00	47.90	47.90
DISCCART	609660.00	4200820.00	47.91	47.91
DISCCART	609660.00	4200840.00	47.87	47.87
DISCCART	609660.00	4200860.00	47.84	47.84
DISCCART	609660.00	4200880.00	47.82	47.82
DISCCART	609660.00	4200900.00	47.78	47.78
DISCCART	609660.00	4200920.00	47.73	47.73
DISCCART	609660.00	4200940.00	47.65	47.65
DISCCART	609680.00	4199580.00	61.58	92.69

Modeled Receptors

DISCCART	609680.00	4199600.00	68.81	92.69
DISCCART	609680.00	4199620.00	74.88	92.69
DISCCART	609680.00	4199640.00	81.45	92.69
DISCCART	609680.00	4199660.00	88.06	92.69
DISCCART	609680.00	4199680.00	87.65	92.69
DISCCART	609680.00	4199700.00	86.15	92.69
DISCCART	609680.00	4199720.00	82.09	92.69
DISCCART	609680.00	4199740.00	77.71	92.69
DISCCART	609680.00	4199760.00	71.97	92.69
DISCCART	609680.00	4199780.00	65.15	92.69
DISCCART	609680.00	4199800.00	63.10	93.21
DISCCART	609680.00	4199820.00	63.04	93.21
DISCCART	609680.00	4199840.00	62.84	93.21
DISCCART	609680.00	4199860.00	62.52	93.21
DISCCART	609680.00	4199880.00	61.74	93.21
DISCCART	609680.00	4199900.00	60.88	93.21
DISCCART	609680.00	4199920.00	62.56	93.21
DISCCART	609680.00	4199940.00	65.32	93.21
DISCCART	609680.00	4199960.00	68.27	93.21
DISCCART	609680.00	4199980.00	71.47	93.21
DISCCART	609680.00	4200000.00	75.15	93.21
DISCCART	609680.00	4200020.00	80.64	93.21
DISCCART	609680.00	4200040.00	83.23	93.21
DISCCART	609680.00	4200060.00	84.81	93.21

Modeled Receptors

DISCCART	609680.00	4200080.00	85.21	93.21
DISCCART	609680.00	4200100.00	84.03	93.21
DISCCART	609680.00	4200120.00	82.19	93.21
DISCCART	609680.00	4200140.00	80.20	93.21
DISCCART	609680.00	4200160.00	78.40	93.21
DISCCART	609680.00	4200180.00	75.66	93.21
DISCCART	609680.00	4200200.00	72.60	93.21
DISCCART	609680.00	4200220.00	68.93	93.21
DISCCART	609680.00	4200240.00	66.72	93.21
DISCCART	609680.00	4200260.00	66.46	93.21
DISCCART	609680.00	4200280.00	66.65	93.21
DISCCART	609680.00	4200300.00	66.82	93.21
DISCCART	609680.00	4200320.00	66.86	93.21
DISCCART	609680.00	4200340.00	66.81	92.27
DISCCART	609680.00	4200360.00	66.64	86.66
DISCCART	609680.00	4200380.00	65.98	86.66
DISCCART	609680.00	4200400.00	64.07	86.66
DISCCART	609680.00	4200420.00	60.60	86.66
DISCCART	609680.00	4200440.00	56.13	92.76
DISCCART	609680.00	4200460.00	49.93	93.21
DISCCART	609680.00	4200480.00	46.06	93.21
DISCCART	609680.00	4200500.00	47.74	93.21
DISCCART	609680.00	4200520.00	47.92	92.76
DISCCART	609680.00	4200540.00	47.61	86.66

Modeled Receptors

DISCCART	609680.00	4200560.00	47.45	86.66
DISCCART	609680.00	4200580.00	47.44	86.66
DISCCART	609680.00	4200600.00	47.39	86.66
DISCCART	609680.00	4200620.00	47.42	86.66
DISCCART	609680.00	4200640.00	47.41	86.66
DISCCART	609680.00	4200660.00	47.40	86.41
DISCCART	609680.00	4200680.00	47.42	47.42
DISCCART	609680.00	4200700.00	47.51	47.51
DISCCART	609680.00	4200720.00	47.58	47.58
DISCCART	609680.00	4200740.00	47.67	47.67
DISCCART	609680.00	4200760.00	47.73	47.73
DISCCART	609680.00	4200780.00	47.76	47.76
DISCCART	609680.00	4200800.00	47.78	47.78
DISCCART	609680.00	4200820.00	47.77	47.77
DISCCART	609680.00	4200840.00	47.76	47.76
DISCCART	609680.00	4200860.00	47.74	47.74
DISCCART	609680.00	4200880.00	47.68	47.68
DISCCART	609680.00	4200900.00	47.63	47.63
DISCCART	609680.00	4200920.00	47.59	47.59
DISCCART	609680.00	4200940.00	47.52	47.52
DISCCART	609680.00	4200960.00	47.61	47.61
DISCCART	609700.00	4199560.00	65.01	92.69
DISCCART	609700.00	4199580.00	63.50	92.69
DISCCART	609700.00	4199600.00	70.16	92.69

Modeled Receptors

DISCCART	609700.00	4199620.00	77.32	92.69
DISCCART	609700.00	4199640.00	87.10	92.69
DISCCART	609700.00	4199660.00	90.73	92.38
DISCCART	609700.00	4199680.00	88.33	92.69
DISCCART	609700.00	4199700.00	85.46	92.69
DISCCART	609700.00	4199720.00	83.02	92.69
DISCCART	609700.00	4199740.00	79.74	92.69
DISCCART	609700.00	4199760.00	76.01	92.69
DISCCART	609700.00	4199780.00	71.58	92.69
DISCCART	609700.00	4199800.00	69.75	92.69
DISCCART	609700.00	4199820.00	69.14	92.69
DISCCART	609700.00	4199840.00	68.40	93.21
DISCCART	609700.00	4199860.00	67.43	93.21
DISCCART	609700.00	4199880.00	65.90	93.21
DISCCART	609700.00	4199900.00	64.42	93.21
DISCCART	609700.00	4199920.00	64.47	93.21
DISCCART	609700.00	4199940.00	64.90	93.21
DISCCART	609700.00	4199960.00	66.17	93.21
DISCCART	609700.00	4199980.00	68.81	93.21
DISCCART	609700.00	4200000.00	71.25	93.21
DISCCART	609700.00	4200020.00	75.38	93.21
DISCCART	609700.00	4200040.00	79.57	93.21
DISCCART	609700.00	4200060.00	80.95	93.21
DISCCART	609700.00	4200080.00	81.17	93.21

Modeled Receptors

DISCCART	609700.00	4200100.00	80.41	93.21
DISCCART	609700.00	4200120.00	79.04	93.21
DISCCART	609700.00	4200140.00	77.59	93.21
DISCCART	609700.00	4200160.00	76.18	93.21
DISCCART	609700.00	4200180.00	74.96	93.21
DISCCART	609700.00	4200200.00	72.73	93.21
DISCCART	609700.00	4200220.00	68.88	93.21
DISCCART	609700.00	4200240.00	65.30	93.21
DISCCART	609700.00	4200260.00	61.96	93.21
DISCCART	609700.00	4200280.00	61.05	93.21
DISCCART	609700.00	4200300.00	61.12	93.21
DISCCART	609700.00	4200320.00	61.51	93.21
DISCCART	609700.00	4200340.00	61.74	93.21
DISCCART	609700.00	4200360.00	61.67	93.21
DISCCART	609700.00	4200380.00	61.39	92.76
DISCCART	609700.00	4200400.00	60.47	92.27
DISCCART	609700.00	4200420.00	58.31	92.27
DISCCART	609700.00	4200440.00	55.32	92.76
DISCCART	609700.00	4200460.00	49.35	93.21
DISCCART	609700.00	4200480.00	46.85	93.21
DISCCART	609700.00	4200500.00	47.87	93.21
DISCCART	609700.00	4200520.00	47.44	93.21
DISCCART	609700.00	4200540.00	46.83	92.27
DISCCART	609700.00	4200560.00	47.02	86.66

Modeled Receptors

DISCCART	609700.00	4200580.00	46.98	86.66
DISCCART	609700.00	4200600.00	47.01	86.66
DISCCART	609700.00	4200620.00	47.02	86.66
DISCCART	609700.00	4200640.00	47.00	86.66
DISCCART	609700.00	4200660.00	47.00	86.21
DISCCART	609700.00	4200680.00	47.12	47.12
DISCCART	609700.00	4200700.00	47.17	47.17
DISCCART	609700.00	4200720.00	47.30	47.30
DISCCART	609700.00	4200740.00	47.48	47.48
DISCCART	609700.00	4200760.00	47.58	47.58
DISCCART	609700.00	4200780.00	47.60	47.60
DISCCART	609700.00	4200800.00	47.60	47.60
DISCCART	609700.00	4200820.00	47.60	47.60
DISCCART	609700.00	4200840.00	47.62	47.62
DISCCART	609700.00	4200860.00	47.59	47.59
DISCCART	609700.00	4200880.00	47.56	47.56
DISCCART	609700.00	4200900.00	47.49	47.49
DISCCART	609700.00	4200920.00	47.43	47.43
DISCCART	609700.00	4200940.00	47.53	47.53
DISCCART	609700.00	4200960.00	47.54	47.54
DISCCART	609720.00	4199560.00	69.07	92.69
DISCCART	609720.00	4199580.00	67.19	92.69
DISCCART	609720.00	4199600.00	73.12	92.69
DISCCART	609720.00	4199620.00	80.36	92.69

Modeled Receptors

DISCCART	609720.00	4199640.00	89.40	92.69
DISCCART	609720.00	4199660.00	92.54	92.54
DISCCART	609720.00	4199680.00	89.07	92.69
DISCCART	609720.00	4199700.00	85.90	92.69
DISCCART	609720.00	4199720.00	84.78	92.69
DISCCART	609720.00	4199740.00	82.04	92.69
DISCCART	609720.00	4199760.00	79.74	92.69
DISCCART	609720.00	4199780.00	77.87	92.69
DISCCART	609720.00	4199800.00	76.49	92.69
DISCCART	609720.00	4199820.00	75.45	92.69
DISCCART	609720.00	4199840.00	73.46	92.69
DISCCART	609720.00	4199860.00	71.22	92.69
DISCCART	609720.00	4199880.00	69.05	93.21
DISCCART	609720.00	4199900.00	66.62	93.21
DISCCART	609720.00	4199920.00	65.82	93.21
DISCCART	609720.00	4199940.00	62.42	93.21
DISCCART	609720.00	4199960.00	63.85	93.21
DISCCART	609720.00	4199980.00	66.22	93.21
DISCCART	609720.00	4200000.00	68.50	93.21
DISCCART	609720.00	4200020.00	70.97	93.21
DISCCART	609720.00	4200040.00	74.54	93.21
DISCCART	609720.00	4200060.00	76.83	93.21
DISCCART	609720.00	4200080.00	77.89	93.21
DISCCART	609720.00	4200100.00	77.49	93.21

Modeled Receptors

DISCCART	609720.00	4200120.00	76.50	93.21
DISCCART	609720.00	4200140.00	75.15	93.21
DISCCART	609720.00	4200160.00	73.87	93.21
DISCCART	609720.00	4200180.00	72.71	93.21
DISCCART	609720.00	4200200.00	70.93	93.21
DISCCART	609720.00	4200220.00	68.57	93.21
DISCCART	609720.00	4200240.00	65.48	93.21
DISCCART	609720.00	4200260.00	61.95	93.21
DISCCART	609720.00	4200280.00	58.37	93.21
DISCCART	609720.00	4200300.00	56.27	93.21
DISCCART	609720.00	4200320.00	56.15	93.21
DISCCART	609720.00	4200340.00	56.01	93.21
DISCCART	609720.00	4200360.00	56.37	93.21
DISCCART	609720.00	4200380.00	56.38	93.21
DISCCART	609720.00	4200400.00	56.05	93.21
DISCCART	609720.00	4200420.00	55.30	93.21
DISCCART	609720.00	4200440.00	53.33	93.21
DISCCART	609720.00	4200460.00	49.58	93.21
DISCCART	609720.00	4200480.00	46.58	93.21
DISCCART	609720.00	4200500.00	47.87	93.21
DISCCART	609720.00	4200520.00	46.83	93.21
DISCCART	609720.00	4200540.00	46.49	92.27
DISCCART	609720.00	4200560.00	46.64	86.66
DISCCART	609720.00	4200580.00	46.70	86.66

Modeled Receptors

DISCCART	609720.00	4200600.00	46.75	86.66
DISCCART	609720.00	4200620.00	46.72	86.66
DISCCART	609720.00	4200640.00	46.66	86.59
DISCCART	609720.00	4200660.00	46.65	86.21
DISCCART	609720.00	4200680.00	46.70	46.70
DISCCART	609720.00	4200700.00	46.82	46.82
DISCCART	609720.00	4200720.00	47.05	47.05
DISCCART	609720.00	4200740.00	47.28	47.28
DISCCART	609720.00	4200760.00	47.37	47.37
DISCCART	609720.00	4200780.00	47.41	47.41
DISCCART	609720.00	4200800.00	47.42	47.42
DISCCART	609720.00	4200820.00	47.37	47.37
DISCCART	609720.00	4200840.00	47.35	47.35
DISCCART	609720.00	4200860.00	47.41	47.41
DISCCART	609720.00	4200880.00	47.43	47.43
DISCCART	609720.00	4200900.00	47.43	47.43
DISCCART	609720.00	4200920.00	47.41	47.41
DISCCART	609720.00	4200940.00	47.43	47.43
DISCCART	609720.00	4200960.00	47.42	47.42
DISCCART	609740.00	4199560.00	71.41	92.69
DISCCART	609740.00	4199580.00	70.66	92.69
DISCCART	609740.00	4199600.00	75.85	92.69
DISCCART	609740.00	4199620.00	83.36	92.69
DISCCART	609740.00	4199640.00	89.17	92.69

Modeled Receptors

DISCCART	609740.00	4199660.00	90.95	92.69
DISCCART	609740.00	4199680.00	89.15	92.69
DISCCART	609740.00	4199700.00	87.75	92.69
DISCCART	609740.00	4199720.00	86.34	92.69
DISCCART	609740.00	4199740.00	84.90	84.90
DISCCART	609740.00	4199760.00	83.20	83.20
DISCCART	609740.00	4199780.00	81.62	81.62
DISCCART	609740.00	4199800.00	80.59	80.59
DISCCART	609740.00	4199820.00	78.96	81.14
DISCCART	609740.00	4199840.00	76.11	82.06
DISCCART	609740.00	4199860.00	73.25	85.00
DISCCART	609740.00	4199880.00	70.64	93.13
DISCCART	609740.00	4199900.00	67.84	93.21
DISCCART	609740.00	4199920.00	65.41	93.21
DISCCART	609740.00	4199940.00	62.00	93.21
DISCCART	609740.00	4199960.00	61.78	93.21
DISCCART	609740.00	4199980.00	63.52	93.21
DISCCART	609740.00	4200000.00	66.15	93.21
DISCCART	609740.00	4200020.00	68.47	93.21
DISCCART	609740.00	4200040.00	70.54	93.21
DISCCART	609740.00	4200060.00	73.13	93.21
DISCCART	609740.00	4200080.00	74.79	93.21
DISCCART	609740.00	4200100.00	74.73	93.21
DISCCART	609740.00	4200120.00	74.10	93.21

Modeled Receptors

DISCCART	609740.00	4200140.00	73.04	93.21
DISCCART	609740.00	4200160.00	72.05	93.21
DISCCART	609740.00	4200180.00	70.25	93.21
DISCCART	609740.00	4200200.00	68.64	93.21
DISCCART	609740.00	4200220.00	66.76	93.21
DISCCART	609740.00	4200240.00	64.06	93.21
DISCCART	609740.00	4200260.00	60.80	93.21
DISCCART	609740.00	4200280.00	56.96	93.21
DISCCART	609740.00	4200300.00	54.19	93.21
DISCCART	609740.00	4200320.00	53.05	93.21
DISCCART	609740.00	4200340.00	52.47	93.21
DISCCART	609740.00	4200360.00	52.64	93.21
DISCCART	609740.00	4200380.00	52.94	93.21
DISCCART	609740.00	4200400.00	52.98	93.21
DISCCART	609740.00	4200420.00	52.57	93.21
DISCCART	609740.00	4200440.00	51.25	93.21
DISCCART	609740.00	4200460.00	49.11	93.21
DISCCART	609740.00	4200480.00	47.03	93.21
DISCCART	609740.00	4200500.00	46.97	93.21
DISCCART	609740.00	4200520.00	46.26	93.21
DISCCART	609740.00	4200540.00	45.99	92.27
DISCCART	609740.00	4200560.00	46.12	86.66
DISCCART	609740.00	4200580.00	46.35	86.66
DISCCART	609740.00	4200600.00	46.42	86.66

Modeled Receptors

DISCCART	609740.00	4200620.00	46.43	86.66
DISCCART	609740.00	4200640.00	46.40	86.41
DISCCART	609740.00	4200660.00	46.40	85.41
DISCCART	609740.00	4200680.00	46.44	46.44
DISCCART	609740.00	4200700.00	46.62	46.62
DISCCART	609740.00	4200720.00	46.90	46.90
DISCCART	609740.00	4200740.00	47.11	47.11
DISCCART	609740.00	4200760.00	47.20	47.20
DISCCART	609740.00	4200780.00	47.22	47.22
DISCCART	609740.00	4200800.00	47.20	47.20
DISCCART	609740.00	4200820.00	47.16	47.16
DISCCART	609740.00	4200840.00	47.15	47.15
DISCCART	609740.00	4200860.00	47.24	47.24
DISCCART	609740.00	4200880.00	47.30	47.30
DISCCART	609740.00	4200900.00	47.32	47.32
DISCCART	609740.00	4200920.00	47.31	47.31
DISCCART	609740.00	4200940.00	47.34	47.34
DISCCART	609740.00	4200960.00	47.33	47.33
DISCCART	609760.00	4199560.00	72.56	92.69
DISCCART	609760.00	4199580.00	72.28	92.69
DISCCART	609760.00	4199600.00	76.79	92.69
DISCCART	609760.00	4199620.00	84.01	92.69
DISCCART	609760.00	4199640.00	89.10	90.67
DISCCART	609760.00	4199660.00	90.36	90.36

Modeled Receptors

DISCCART	609760.00	4199680.00	89.22	89.22
DISCCART	609760.00	4199700.00	87.96	87.96
DISCCART	609760.00	4199720.00	86.66	86.66
DISCCART	609760.00	4199740.00	85.27	85.27
DISCCART	609760.00	4199760.00	83.73	83.73
DISCCART	609760.00	4199780.00	82.33	82.33
DISCCART	609760.00	4199800.00	81.38	81.38
DISCCART	609760.00	4199820.00	79.71	81.11
DISCCART	609760.00	4199840.00	77.02	81.58
DISCCART	609760.00	4199860.00	74.26	82.06
DISCCART	609760.00	4199880.00	71.48	84.20
DISCCART	609760.00	4199900.00	68.49	93.21
DISCCART	609760.00	4199920.00	65.75	93.21
DISCCART	609760.00	4199940.00	62.14	93.21
DISCCART	609760.00	4199960.00	61.54	93.21
DISCCART	609760.00	4199980.00	62.35	93.21
DISCCART	609760.00	4200000.00	63.11	93.21
DISCCART	609760.00	4200020.00	65.12	93.21
DISCCART	609760.00	4200040.00	67.45	93.21
DISCCART	609760.00	4200060.00	69.15	93.21
DISCCART	609760.00	4200080.00	71.11	93.21
DISCCART	609760.00	4200100.00	71.60	93.21
DISCCART	609760.00	4200120.00	71.12	93.21
DISCCART	609760.00	4200140.00	70.34	93.21

Modeled Receptors

DISCCART	609760.00	4200160.00	69.27	93.21
DISCCART	609760.00	4200180.00	67.93	93.21
DISCCART	609760.00	4200200.00	66.48	93.21
DISCCART	609760.00	4200220.00	64.58	93.21
DISCCART	609760.00	4200240.00	62.13	93.21
DISCCART	609760.00	4200260.00	59.13	93.21
DISCCART	609760.00	4200280.00	55.64	93.21
DISCCART	609760.00	4200300.00	52.75	93.21
DISCCART	609760.00	4200320.00	50.95	93.21
DISCCART	609760.00	4200340.00	50.08	93.21
DISCCART	609760.00	4200360.00	50.41	93.21
DISCCART	609760.00	4200380.00	50.84	93.21
DISCCART	609760.00	4200400.00	50.99	93.21
DISCCART	609760.00	4200420.00	50.78	93.21
DISCCART	609760.00	4200440.00	49.88	93.21
DISCCART	609760.00	4200460.00	48.37	93.21
DISCCART	609760.00	4200480.00	46.46	93.21
DISCCART	609760.00	4200500.00	45.77	93.21
DISCCART	609760.00	4200520.00	45.61	93.21
DISCCART	609760.00	4200540.00	45.62	91.35
DISCCART	609760.00	4200560.00	45.65	86.66
DISCCART	609760.00	4200580.00	46.33	86.66
DISCCART	609760.00	4200680.00	46.44	46.44
DISCCART	609760.00	4200700.00	46.72	46.72

Modeled Receptors

DISCCART	609760.00	4200720.00	46.84	46.84
DISCCART	609760.00	4200740.00	46.95	46.95
DISCCART	609760.00	4200760.00	47.00	47.00
DISCCART	609760.00	4200780.00	46.98	46.98
DISCCART	609760.00	4200800.00	46.94	46.94
DISCCART	609760.00	4200820.00	46.95	46.95
DISCCART	609760.00	4200840.00	46.98	46.98
DISCCART	609760.00	4200860.00	47.07	47.07
DISCCART	609760.00	4200880.00	47.15	47.15
DISCCART	609760.00	4200900.00	47.18	47.18
DISCCART	609760.00	4200920.00	47.25	47.25
DISCCART	609760.00	4200940.00	47.29	47.29
DISCCART	609760.00	4200960.00	47.22	47.22
DISCCART	609780.00	4199560.00	74.45	92.69
DISCCART	609780.00	4199580.00	74.64	92.69
DISCCART	609780.00	4199600.00	78.07	92.69
DISCCART	609780.00	4199620.00	83.20	92.69
DISCCART	609780.00	4199640.00	86.62	92.68
DISCCART	609780.00	4199660.00	87.68	90.76
DISCCART	609780.00	4199680.00	87.65	90.76
DISCCART	609780.00	4199700.00	86.94	86.94
DISCCART	609780.00	4199720.00	85.89	85.89
DISCCART	609780.00	4199740.00	84.42	84.42
DISCCART	609780.00	4199760.00	82.53	85.62

Modeled Receptors

DISCCART	609780.00	4199780.00	81.15	81.15
DISCCART	609780.00	4199800.00	80.17	81.27
DISCCART	609780.00	4199820.00	78.55	81.58
DISCCART	609780.00	4199840.00	76.34	82.06
DISCCART	609780.00	4200680.00	46.46	46.46
DISCCART	609780.00	4200700.00	46.75	46.75
DISCCART	609780.00	4200720.00	46.83	46.83
DISCCART	609780.00	4200740.00	46.89	46.89
DISCCART	609780.00	4200760.00	46.84	46.84
DISCCART	609780.00	4200780.00	46.83	46.83
DISCCART	609780.00	4200800.00	46.85	46.85
DISCCART	609780.00	4200820.00	46.81	46.81
DISCCART	609780.00	4200840.00	46.84	46.84
DISCCART	609780.00	4200860.00	46.91	46.91
DISCCART	609780.00	4200880.00	46.97	46.97
DISCCART	609780.00	4200900.00	47.09	47.09
DISCCART	609780.00	4200920.00	47.20	47.20
DISCCART	609780.00	4200940.00	47.20	47.20
DISCCART	609780.00	4200960.00	47.11	47.11
DISCCART	609800.00	4199560.00	76.63	92.69
DISCCART	609800.00	4199580.00	76.36	92.69
DISCCART	609800.00	4199600.00	78.70	92.69
DISCCART	609800.00	4199620.00	81.81	92.69
DISCCART	609800.00	4199640.00	83.35	92.69

Modeled Receptors

DISCCART	609800.00	4199660.00	84.19	92.69
DISCCART	609800.00	4199680.00	85.06	90.82
DISCCART	609800.00	4199700.00	85.54	85.54
DISCCART	609800.00	4199720.00	85.18	85.18
DISCCART	609800.00	4199740.00	83.44	85.12
DISCCART	609800.00	4199760.00	80.69	88.31
DISCCART	609800.00	4199780.00	79.08	87.72
DISCCART	609800.00	4199800.00	77.50	87.07
DISCCART	609800.00	4199820.00	75.50	87.72
DISCCART	609800.00	4199840.00	74.11	86.33
DISCCART	609800.00	4200680.00	46.52	46.52
DISCCART	609800.00	4200700.00	46.69	46.69
DISCCART	609800.00	4200720.00	46.83	46.83
DISCCART	609800.00	4200740.00	46.86	46.86
DISCCART	609800.00	4200760.00	46.84	46.84
DISCCART	609800.00	4200780.00	46.75	46.75
DISCCART	609800.00	4200800.00	46.77	46.77
DISCCART	609800.00	4200820.00	46.71	46.71
DISCCART	609800.00	4200840.00	46.73	46.73
DISCCART	609800.00	4200860.00	46.80	46.80
DISCCART	609800.00	4200880.00	46.89	46.89
DISCCART	609800.00	4200900.00	47.03	47.03
DISCCART	609800.00	4200920.00	47.05	47.05
DISCCART	609800.00	4200940.00	47.03	47.03

Modeled Receptors

DISCCART	609800.00	4200960.00	46.93	46.93
DISCCART	609820.00	4199560.00	74.62	92.69
DISCCART	609820.00	4199580.00	75.97	92.69
DISCCART	609820.00	4199600.00	78.36	92.69
DISCCART	609820.00	4199620.00	79.90	92.69
DISCCART	609820.00	4199640.00	80.41	92.69
DISCCART	609820.00	4199660.00	80.57	92.69
DISCCART	609820.00	4199680.00	82.10	92.69
DISCCART	609820.00	4199700.00	83.81	83.81
DISCCART	609820.00	4199720.00	84.34	84.34
DISCCART	609820.00	4199740.00	82.63	84.91
DISCCART	609820.00	4199760.00	80.20	85.92
DISCCART	609820.00	4199780.00	77.62	88.93
DISCCART	609820.00	4199800.00	74.71	92.69
DISCCART	609820.00	4199820.00	72.81	92.69
DISCCART	609820.00	4199840.00	71.40	92.69
DISCCART	609820.00	4200680.00	46.68	46.68
DISCCART	609820.00	4200700.00	46.88	46.88
DISCCART	609820.00	4200720.00	46.88	46.88
DISCCART	609820.00	4200740.00	46.89	46.89
DISCCART	609820.00	4200760.00	46.86	46.86
DISCCART	609820.00	4200780.00	46.80	46.80
DISCCART	609820.00	4200800.00	46.74	46.74
DISCCART	609820.00	4200820.00	46.69	46.69

Modeled Receptors

DISCCART	609820.00	4200840.00	46.72	46.72
DISCCART	609820.00	4200860.00	46.71	46.71
DISCCART	609820.00	4200880.00	46.90	46.90
DISCCART	609820.00	4200900.00	46.95	46.95
DISCCART	609820.00	4200920.00	46.95	46.95
DISCCART	609820.00	4200940.00	46.82	46.82
DISCCART	609820.00	4200960.00	46.73	46.73
DISCCART	609840.00	4199560.00	73.44	92.69
DISCCART	609840.00	4199580.00	74.97	92.69
DISCCART	609840.00	4199600.00	76.23	92.69
DISCCART	609840.00	4199620.00	76.89	92.69
DISCCART	609840.00	4199640.00	77.29	92.69
DISCCART	609840.00	4199660.00	78.26	92.69
DISCCART	609840.00	4199680.00	80.33	92.69
DISCCART	609840.00	4199700.00	82.17	84.18
DISCCART	609840.00	4199720.00	82.95	82.95
DISCCART	609840.00	4199740.00	82.22	82.22
DISCCART	609840.00	4199760.00	80.40	80.40
DISCCART	609840.00	4199780.00	77.23	86.26
DISCCART	609840.00	4199800.00	73.73	92.69
DISCCART	609840.00	4199820.00	71.23	92.69
DISCCART	609840.00	4199840.00	68.59	92.69
DISCCART	609840.00	4200680.00	46.90	46.90
DISCCART	609840.00	4200700.00	46.91	46.91

Modeled Receptors

DISCCART	609840.00	4200720.00	46.89	46.89
DISCCART	609840.00	4200740.00	46.96	46.96
DISCCART	609840.00	4200760.00	46.81	46.81
DISCCART	609840.00	4200780.00	46.85	46.85
DISCCART	609840.00	4200800.00	46.75	46.75
DISCCART	609840.00	4200820.00	46.70	46.70
DISCCART	609840.00	4200840.00	46.74	46.74
DISCCART	609840.00	4200860.00	46.80	46.80
DISCCART	609840.00	4200880.00	46.79	46.79
DISCCART	609840.00	4200900.00	46.75	46.75
DISCCART	609840.00	4200920.00	46.76	46.76
DISCCART	609840.00	4200940.00	46.70	46.70
DISCCART	609840.00	4200960.00	46.64	46.64
DISCCART	609860.00	4199560.00	72.12	92.69
DISCCART	609860.00	4199580.00	73.27	92.69
DISCCART	609860.00	4199600.00	73.95	92.69
DISCCART	609860.00	4199620.00	74.14	92.69
DISCCART	609860.00	4199640.00	73.99	92.69
DISCCART	609860.00	4199660.00	75.78	92.69
DISCCART	609860.00	4199680.00	79.10	92.09
DISCCART	609860.00	4199700.00	80.87	80.87
DISCCART	609860.00	4199720.00	81.88	81.88
DISCCART	609860.00	4199740.00	81.59	81.59
DISCCART	609860.00	4199760.00	80.33	80.33

Modeled Receptors

DISCCART	609860.00	4199780.00	77.22	84.22
DISCCART	609860.00	4199800.00	73.75	88.93
DISCCART	609860.00	4199820.00	70.57	92.69
DISCCART	609860.00	4199840.00	67.30	92.69
DISCCART	609860.00	4199860.00	65.72	92.69
DISCCART	609860.00	4200680.00	46.89	46.89
DISCCART	609860.00	4200700.00	46.87	46.87
DISCCART	609860.00	4200720.00	46.82	46.82
DISCCART	609860.00	4200740.00	46.78	46.78
DISCCART	609860.00	4200760.00	46.73	46.73
DISCCART	609860.00	4200780.00	46.66	46.66
DISCCART	609860.00	4200800.00	46.66	46.66
DISCCART	609860.00	4200820.00	46.63	46.63
DISCCART	609860.00	4200840.00	46.63	46.63
DISCCART	609860.00	4200860.00	46.64	46.64
DISCCART	609860.00	4200880.00	46.65	46.65
DISCCART	609860.00	4200900.00	46.63	46.63
DISCCART	609860.00	4200920.00	46.54	46.54
DISCCART	609860.00	4200940.00	46.47	46.47
DISCCART	609860.00	4200960.00	46.44	46.44
DISCCART	609880.00	4199560.00	69.80	92.69
DISCCART	609880.00	4199580.00	70.37	92.69
DISCCART	609880.00	4199600.00	71.07	92.69
DISCCART	609880.00	4199620.00	71.63	92.69

Modeled Receptors

DISCCART	609880.00	4199640.00	72.08	92.69
DISCCART	609880.00	4199660.00	73.74	92.69
DISCCART	609880.00	4199680.00	76.95	92.09
DISCCART	609880.00	4199700.00	80.08	82.12
DISCCART	609880.00	4199720.00	81.67	81.67
DISCCART	609880.00	4199740.00	81.01	81.01
DISCCART	609880.00	4199760.00	79.83	79.83
DISCCART	609880.00	4199780.00	76.81	81.74
DISCCART	609880.00	4199800.00	73.60	85.21
DISCCART	609880.00	4199820.00	70.19	92.69
DISCCART	609880.00	4199840.00	67.12	92.69
DISCCART	609880.00	4199860.00	64.85	92.69
DISCCART	609880.00	4200680.00	46.69	46.69
DISCCART	609880.00	4200700.00	46.67	46.67
DISCCART	609880.00	4200720.00	46.56	46.56
DISCCART	609880.00	4200740.00	46.48	46.48
DISCCART	609880.00	4200760.00	46.50	46.50
DISCCART	609880.00	4200780.00	46.38	46.38
DISCCART	609880.00	4200800.00	46.37	46.37
DISCCART	609880.00	4200820.00	46.40	46.40
DISCCART	609880.00	4200840.00	46.44	46.44
DISCCART	609880.00	4200860.00	46.51	46.51
DISCCART	609880.00	4200880.00	46.45	46.45
DISCCART	609880.00	4200900.00	46.34	46.34

Modeled Receptors

DISCCART	609880.00	4200920.00	46.26	46.26
DISCCART	609880.00	4200940.00	46.21	46.21
DISCCART	609880.00	4200960.00	46.16	46.16
DISCCART	609900.00	4199560.00	68.19	92.69
DISCCART	609900.00	4199580.00	67.67	92.69
DISCCART	609900.00	4199600.00	68.57	92.69
DISCCART	609900.00	4199620.00	69.26	92.69
DISCCART	609900.00	4199640.00	70.00	92.69
DISCCART	609900.00	4199660.00	71.82	92.69
DISCCART	609900.00	4199680.00	74.20	92.69
DISCCART	609900.00	4199700.00	77.75	82.12
DISCCART	609900.00	4199720.00	80.11	80.11
DISCCART	609900.00	4199740.00	80.41	80.41
DISCCART	609900.00	4199760.00	79.12	79.61
DISCCART	609900.00	4199780.00	75.93	81.49
DISCCART	609900.00	4199800.00	72.83	84.52
DISCCART	609900.00	4199820.00	69.73	87.86
DISCCART	609900.00	4199840.00	66.90	92.69
DISCCART	609900.00	4199860.00	64.38	92.69
DISCCART	609900.00	4200680.00	46.29	46.29
DISCCART	609900.00	4200700.00	46.25	46.25
DISCCART	609900.00	4200720.00	46.15	46.15
DISCCART	609900.00	4200740.00	46.14	46.14
DISCCART	609900.00	4200760.00	46.10	46.10

Modeled Receptors

DISCCART	609900.00	4200780.00	46.09	46.09
DISCCART	609900.00	4200800.00	46.10	46.10
DISCCART	609900.00	4200820.00	46.16	46.16
DISCCART	609900.00	4200840.00	46.32	46.32
DISCCART	609900.00	4200860.00	46.35	46.35
DISCCART	609900.00	4200880.00	46.17	46.17
DISCCART	609900.00	4200900.00	46.07	46.07
DISCCART	609900.00	4200920.00	45.96	45.96
DISCCART	609900.00	4200940.00	45.97	45.97
DISCCART	609900.00	4200960.00	45.99	45.99
DISCCART	609920.00	4199560.00	67.61	92.69
DISCCART	609920.00	4199580.00	66.28	92.69
DISCCART	609920.00	4199600.00	66.49	92.69
DISCCART	609920.00	4199620.00	67.00	92.69
DISCCART	609920.00	4199640.00	67.56	92.69
DISCCART	609920.00	4199660.00	69.83	92.69
DISCCART	609920.00	4199680.00	72.07	92.69
DISCCART	609920.00	4199700.00	74.50	83.88
DISCCART	609920.00	4199720.00	77.41	82.12
DISCCART	609920.00	4199740.00	78.48	80.41
DISCCART	609920.00	4199760.00	77.23	80.86
DISCCART	609920.00	4199780.00	74.72	81.49
DISCCART	609920.00	4199800.00	71.64	84.22
DISCCART	609920.00	4199820.00	68.83	85.92

Modeled Receptors

DISCCART	609920.00	4199840.00	66.24	90.76
DISCCART	609920.00	4199860.00	63.73	92.69
DISCCART	609920.00	4200680.00	45.99	45.99
DISCCART	609920.00	4200700.00	45.92	45.92
DISCCART	609920.00	4200720.00	45.82	45.82
DISCCART	609920.00	4200740.00	45.88	45.88
DISCCART	609920.00	4200760.00	45.86	45.86
DISCCART	609920.00	4200780.00	45.87	45.87
DISCCART	609920.00	4200800.00	45.93	45.93
DISCCART	609920.00	4200820.00	46.04	46.04
DISCCART	609920.00	4200840.00	46.07	46.07
DISCCART	609920.00	4200860.00	46.03	46.03
DISCCART	609920.00	4200880.00	45.90	45.90
DISCCART	609920.00	4200900.00	45.85	45.85
DISCCART	609920.00	4200920.00	45.77	45.77
DISCCART	609920.00	4200940.00	45.85	45.85
DISCCART	609920.00	4200960.00	45.90	45.90
DISCCART	609940.00	4199560.00	67.03	92.69
DISCCART	609940.00	4199580.00	64.88	92.69
DISCCART	609940.00	4199600.00	63.98	92.69
DISCCART	609940.00	4199620.00	64.45	92.69
DISCCART	609940.00	4199640.00	65.82	92.69
DISCCART	609940.00	4199660.00	68.06	92.69
DISCCART	609940.00	4199680.00	70.32	92.69

Modeled Receptors

DISCCART	609940.00	4199700.00	72.64	83.19
DISCCART	609940.00	4199720.00	74.93	82.12
DISCCART	609940.00	4199740.00	76.00	80.86
DISCCART	609940.00	4199760.00	75.30	80.86
DISCCART	609940.00	4199780.00	72.94	82.12
DISCCART	609940.00	4199800.00	69.78	84.22
DISCCART	609940.00	4199820.00	66.89	86.80
DISCCART	609940.00	4199840.00	64.27	92.69
DISCCART	609940.00	4199860.00	62.36	92.69
DISCCART	609940.00	4200680.00	45.83	45.83
DISCCART	609940.00	4200700.00	45.71	45.71
DISCCART	609940.00	4200720.00	45.65	45.65
DISCCART	609940.00	4200740.00	45.57	45.57
DISCCART	609940.00	4200760.00	45.65	45.65
DISCCART	609940.00	4200780.00	45.70	45.70
DISCCART	609940.00	4200800.00	45.85	45.85
DISCCART	609940.00	4200820.00	45.92	45.92
DISCCART	609940.00	4200840.00	45.89	45.89
DISCCART	609940.00	4200860.00	45.79	45.79
DISCCART	609940.00	4200880.00	45.67	45.67
DISCCART	609940.00	4200900.00	45.67	45.67
DISCCART	609940.00	4200920.00	45.69	45.69
DISCCART	609940.00	4200940.00	45.77	45.77
DISCCART	609940.00	4200960.00	45.81	45.81

Modeled Receptors

```
DISCCART    609940.00  4200980.00    45.87    45.87
DISCCART    609960.00  4199580.00    63.37    92.69
DISCCART    609960.00  4199600.00    61.67    92.69
DISCCART    609960.00  4199620.00    61.91    92.69
DISCCART    609960.00  4199640.00    63.64    92.69
DISCCART    609960.00  4199660.00    66.05    92.69
DISCCART    609960.00  4199680.00    68.49    92.69
DISCCART    609960.00  4199700.00    70.69    83.19
DISCCART    609960.00  4199720.00    72.90    82.12
DISCCART    609960.00  4199740.00    74.14    80.86
DISCCART    609960.00  4199760.00    73.41    80.86
DISCCART    609960.00  4199780.00    70.59    82.12
DISCCART    609960.00  4199800.00    67.37    85.21
DISCCART    609960.00  4199820.00    64.04    92.69
DISCCART    609960.00  4199840.00    61.59    92.69
DISCCART    609960.00  4199860.00    59.49    92.69
DISCCART    609960.00  4200680.00    45.51    45.51
DISCCART    609960.00  4200700.00    45.54    45.54
DISCCART    609960.00  4200720.00    45.50    45.50
DISCCART    609960.00  4200740.00    45.45    45.45
DISCCART    609960.00  4200760.00    45.52    45.52
DISCCART    609960.00  4200780.00    45.73    45.73
DISCCART    609960.00  4200800.00    45.70    45.70
DISCCART    609960.00  4200820.00    45.76    45.76
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Modeled Receptors

```
DISCCART    609960.00  4200840.00    45.66    45.66
DISCCART    609960.00  4200860.00    45.57    45.57
DISCCART    609960.00  4200880.00    45.47    45.47
DISCCART    609960.00  4200900.00    45.55    45.55
DISCCART    609960.00  4200920.00    45.64    45.64
DISCCART    609960.00  4200940.00    45.68    45.68
DISCCART    609960.00  4200960.00    45.70    45.70
DISCCART    609960.00  4200980.00    45.72    45.72
DISCCART    609980.00  4199580.00    62.31    92.69
DISCCART    609980.00  4199600.00    60.73    92.69
DISCCART    609980.00  4199620.00    60.34    92.69
DISCCART    609980.00  4199640.00    61.37    92.69
DISCCART    609980.00  4199660.00    63.47    92.69
DISCCART    609980.00  4199680.00    66.17    92.69
DISCCART    609980.00  4199700.00    68.54    83.88
DISCCART    609980.00  4199720.00    70.14    82.12
DISCCART    609980.00  4199740.00    70.99    82.12
DISCCART    609980.00  4199760.00    70.43    82.12
DISCCART    609980.00  4199780.00    68.18    82.34
DISCCART    609980.00  4199800.00    64.20    90.76
DISCCART    609980.00  4199820.00    60.53    92.69
DISCCART    609980.00  4199840.00    57.79    92.69
DISCCART    609980.00  4199860.00    55.95    92.69
DISCCART    609980.00  4200680.00    45.30    45.30
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Modeled Receptors

```
DISCCART    609980.00  4200700.00    45.24    45.24
DISCCART    609980.00  4200720.00    45.19    45.19
DISCCART    609980.00  4200740.00    45.28    45.28
DISCCART    609980.00  4200760.00    45.32    45.32
DISCCART    609980.00  4200780.00    45.49    45.49
DISCCART    609980.00  4200800.00    45.61    45.61
DISCCART    609980.00  4200820.00    45.53    45.53
DISCCART    609980.00  4200840.00    45.43    45.43
DISCCART    609980.00  4200860.00    45.37    45.37
DISCCART    609980.00  4200880.00    45.39    45.39
DISCCART    609980.00  4200900.00    45.45    45.45
DISCCART    609980.00  4200920.00    45.47    45.47
DISCCART    609980.00  4200940.00    45.50    45.50
DISCCART    609980.00  4200960.00    45.50    45.50
DISCCART    609980.00  4200980.00    45.39    45.39
DISCCART    610000.00  4199580.00    61.31    92.69
DISCCART    610000.00  4199600.00    59.94    92.69
DISCCART    610000.00  4199620.00    59.10    92.69
DISCCART    610000.00  4199640.00    59.60    92.69
DISCCART    610000.00  4199660.00    61.09    92.69
DISCCART    610000.00  4199680.00    63.40    92.69
DISCCART    610000.00  4199700.00    65.54    90.76
DISCCART    610000.00  4199720.00    67.37    82.34
DISCCART    610000.00  4199740.00    68.24    82.12
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Modeled Receptors

```
DISCCART    610000.00  4199760.00    67.65    82.12
DISCCART    610000.00  4199780.00    64.72    84.85
DISCCART    610000.00  4199800.00    60.36    92.69
DISCCART    610000.00  4199820.00    56.36    92.69
DISCCART    610000.00  4199840.00    54.63    92.69
DISCCART    610000.00  4199860.00    53.68    92.69
DISCCART    610000.00  4200680.00    45.00    45.00
DISCCART    610000.00  4200700.00    44.93    44.93
DISCCART    610000.00  4200720.00    44.97    44.97
DISCCART    610000.00  4200740.00    45.03    45.03
DISCCART    610000.00  4200760.00    45.24    45.24
DISCCART    610000.00  4200780.00    45.37    45.37
DISCCART    610000.00  4200800.00    45.41    45.41
DISCCART    610000.00  4200820.00    45.27    45.27
DISCCART    610000.00  4200840.00    45.23    45.23
DISCCART    610000.00  4200860.00    45.21    45.21
DISCCART    610000.00  4200880.00    45.27    45.27
DISCCART    610000.00  4200900.00    45.34    45.34
DISCCART    610000.00  4200920.00    45.36    45.36
DISCCART    610000.00  4200940.00    45.25    45.25
DISCCART    610000.00  4200960.00    45.17    45.17
DISCCART    610000.00  4200980.00    45.09    45.09
DISCCART    610020.00  4199580.00    60.13    92.69
DISCCART    610020.00  4199600.00    58.48    92.69
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Modeled Receptors

DISCCART	610020.00	4199620.00	57.24	92.69
DISCCART	610020.00	4199640.00	57.12	92.69
DISCCART	610020.00	4199660.00	58.74	92.69
DISCCART	610020.00	4199680.00	60.52	92.69
DISCCART	610020.00	4199700.00	62.21	92.69
DISCCART	610020.00	4199720.00	63.53	90.76
DISCCART	610020.00	4199740.00	64.12	84.46
DISCCART	610020.00	4199760.00	63.48	84.85
DISCCART	610020.00	4199780.00	60.81	92.09
DISCCART	610020.00	4199800.00	56.22	92.69
DISCCART	610020.00	4199820.00	54.16	92.69
DISCCART	610020.00	4199840.00	53.09	92.69
DISCCART	610020.00	4199860.00	51.93	92.69
DISCCART	610020.00	4200680.00	44.75	44.75
DISCCART	610020.00	4200700.00	44.69	44.69
DISCCART	610020.00	4200720.00	44.76	44.76
DISCCART	610020.00	4200740.00	44.92	44.92
DISCCART	610020.00	4200760.00	45.12	45.12
DISCCART	610020.00	4200780.00	45.17	45.17
DISCCART	610020.00	4200800.00	45.11	45.11
DISCCART	610020.00	4200820.00	45.07	45.07
DISCCART	610020.00	4200840.00	45.10	45.10
DISCCART	610020.00	4200860.00	45.13	45.13
DISCCART	610020.00	4200880.00	45.18	45.18

Modeled Receptors

DISCCART	610020.00	4200900.00	45.09	45.09
DISCCART	610020.00	4200920.00	45.01	45.01
DISCCART	610020.00	4200940.00	44.97	44.97
DISCCART	610020.00	4200960.00	44.97	44.97
DISCCART	610020.00	4200980.00	44.93	44.93
DISCCART	610040.00	4199580.00	59.26	92.69
DISCCART	610040.00	4199600.00	57.38	92.69
DISCCART	610040.00	4199620.00	55.85	92.69
DISCCART	610040.00	4199640.00	55.17	92.69
DISCCART	610040.00	4199660.00	56.14	92.69
DISCCART	610040.00	4199680.00	57.65	92.69
DISCCART	610040.00	4199700.00	58.95	92.69
DISCCART	610040.00	4199720.00	59.78	92.69
DISCCART	610040.00	4199740.00	60.08	92.09
DISCCART	610040.00	4199760.00	59.13	92.69
DISCCART	610040.00	4199780.00	56.48	92.69
DISCCART	610040.00	4199800.00	54.13	92.69
DISCCART	610040.00	4199820.00	52.48	92.69
DISCCART	610040.00	4199840.00	51.52	92.69
DISCCART	610040.00	4199860.00	50.91	92.69
DISCCART	610040.00	4200700.00	44.63	44.63
DISCCART	610040.00	4200720.00	44.70	44.70
DISCCART	610040.00	4200740.00	44.89	44.89
DISCCART	610040.00	4200760.00	45.00	45.00

Modeled Receptors

DISCCART	610040.00	4200780.00	45.00	45.00
DISCCART	610040.00	4200800.00	44.96	44.96
DISCCART	610040.00	4200820.00	44.97	44.97
DISCCART	610040.00	4200840.00	45.00	45.00
DISCCART	610040.00	4200860.00	44.95	44.95
DISCCART	610040.00	4200880.00	44.87	44.87
DISCCART	610040.00	4200900.00	44.82	44.82
DISCCART	610040.00	4200920.00	44.81	44.81
DISCCART	610040.00	4200940.00	44.82	44.82
DISCCART	610040.00	4200960.00	44.79	44.79
DISCCART	610040.00	4200980.00	44.89	44.89
DISCCART	610060.00	4199580.00	59.11	90.76
DISCCART	610060.00	4199600.00	56.56	92.69
DISCCART	610060.00	4199620.00	54.98	92.69
DISCCART	610060.00	4199640.00	54.76	92.69
DISCCART	610060.00	4199660.00	55.10	92.69
DISCCART	610060.00	4199680.00	55.45	92.69
DISCCART	610060.00	4199700.00	56.00	92.69
DISCCART	610060.00	4199720.00	56.22	92.69
DISCCART	610060.00	4199740.00	56.34	92.69
DISCCART	610060.00	4199760.00	55.57	92.69
DISCCART	610060.00	4199780.00	54.19	92.69
DISCCART	610060.00	4199800.00	52.34	92.69
DISCCART	610060.00	4199820.00	50.95	92.69

Modeled Receptors

DISCCART	610060.00	4199840.00	50.73	92.69
DISCCART	610060.00	4199860.00	50.24	92.69
DISCCART	610060.00	4200700.00	44.63	44.63
DISCCART	610060.00	4200720.00	44.68	44.68
DISCCART	610060.00	4200740.00	44.83	44.83
DISCCART	610060.00	4200760.00	44.83	44.83
DISCCART	610060.00	4200780.00	44.79	44.79
DISCCART	610060.00	4200800.00	44.78	44.78
DISCCART	610060.00	4200820.00	44.77	44.77
DISCCART	610060.00	4200840.00	44.69	44.69
DISCCART	610060.00	4200860.00	44.67	44.67
DISCCART	610060.00	4200880.00	44.63	44.63
DISCCART	610060.00	4200900.00	44.61	44.61
DISCCART	610060.00	4200920.00	44.65	44.65
DISCCART	610060.00	4200940.00	44.70	44.70
DISCCART	610060.00	4200960.00	44.75	44.75
DISCCART	610060.00	4200980.00	44.75	44.75
DISCCART	610080.00	4199580.00	59.40	82.04
DISCCART	610080.00	4199600.00	56.39	92.69
DISCCART	610080.00	4199620.00	54.76	92.69
DISCCART	610080.00	4199640.00	54.25	92.69
DISCCART	610080.00	4199660.00	54.66	92.69
DISCCART	610080.00	4199680.00	55.07	92.69
DISCCART	610080.00	4199700.00	55.10	92.69

Modeled Receptors

DISCCART	610080.00	4199720.00	54.76	92.69
DISCCART	610080.00	4199740.00	54.39	92.69
DISCCART	610080.00	4199760.00	53.82	92.69
DISCCART	610080.00	4199780.00	52.62	92.69
DISCCART	610080.00	4199800.00	51.36	92.69
DISCCART	610080.00	4199820.00	51.00	92.69
DISCCART	610080.00	4199840.00	50.60	92.69
DISCCART	610080.00	4199860.00	50.78	92.69
DISCCART	610080.00	4200700.00	44.64	44.64
DISCCART	610080.00	4200720.00	44.71	44.71
DISCCART	610080.00	4200740.00	44.67	44.67
DISCCART	610080.00	4200760.00	44.67	44.67
DISCCART	610080.00	4200780.00	44.67	44.67
DISCCART	610080.00	4200800.00	44.59	44.59
DISCCART	610080.00	4200820.00	44.47	44.47
DISCCART	610080.00	4200840.00	44.47	44.47
DISCCART	610080.00	4200860.00	44.43	44.43
DISCCART	610080.00	4200880.00	44.47	44.47
DISCCART	610080.00	4200900.00	44.57	44.57
DISCCART	610080.00	4200920.00	44.55	44.55
DISCCART	610080.00	4200940.00	44.58	44.58
DISCCART	610080.00	4200960.00	44.58	44.58
DISCCART	610080.00	4200980.00	44.49	44.49
DISCCART	610100.00	4199580.00	59.40	82.04

Modeled Receptors

DISCCART	610100.00	4199600.00	56.27	82.12
DISCCART	610100.00	4199620.00	54.73	92.69
DISCCART	610100.00	4199640.00	54.09	92.69
DISCCART	610100.00	4199660.00	54.20	92.69
DISCCART	610100.00	4199680.00	54.37	92.69
DISCCART	610100.00	4199700.00	53.93	92.69
DISCCART	610100.00	4199720.00	53.46	92.69
DISCCART	610100.00	4199740.00	52.69	92.69
DISCCART	610100.00	4199760.00	52.20	92.69
DISCCART	610100.00	4199780.00	51.62	92.69
DISCCART	610100.00	4199800.00	51.60	92.69
DISCCART	610100.00	4199820.00	51.78	92.69
DISCCART	610100.00	4199840.00	52.02	89.66
DISCCART	610100.00	4199860.00	52.36	84.85
DISCCART	610100.00	4200700.00	44.74	44.74
DISCCART	610100.00	4200720.00	44.63	44.63
DISCCART	610100.00	4200740.00	44.56	44.56
DISCCART	610100.00	4200760.00	44.45	44.45
DISCCART	610100.00	4200780.00	44.30	44.30
DISCCART	610100.00	4200800.00	44.21	44.21
DISCCART	610100.00	4200820.00	44.30	44.30
DISCCART	610100.00	4200840.00	44.27	44.27
DISCCART	610100.00	4200860.00	44.29	44.29
DISCCART	610100.00	4200880.00	44.27	44.27

Modeled Receptors

DISCCART	610100.00	4200900.00	44.27	44.27
DISCCART	610100.00	4200920.00	44.27	44.27
DISCCART	610100.00	4200940.00	44.27	44.27
DISCCART	610100.00	4200960.00	44.27	44.27
DISCCART	610100.00	4200980.00	44.27	44.27
DISCCART	610120.00	4199580.00	58.45	82.04
DISCCART	610120.00	4199600.00	55.73	82.04
DISCCART	610120.00	4199620.00	54.43	82.12
DISCCART	610120.00	4199640.00	53.75	90.76
DISCCART	610120.00	4199660.00	53.59	90.76
DISCCART	610120.00	4199680.00	53.22	90.82
DISCCART	610120.00	4199700.00	52.67	92.69
DISCCART	610120.00	4199720.00	52.26	92.69
DISCCART	610120.00	4199740.00	51.79	92.69
DISCCART	610120.00	4199760.00	51.70	92.69
DISCCART	610120.00	4199780.00	52.09	90.76
DISCCART	610120.00	4199800.00	52.30	85.21
DISCCART	610120.00	4199820.00	52.79	83.88
DISCCART	610120.00	4199840.00	53.38	82.12
DISCCART	610120.00	4199860.00	53.99	81.18
DISCCART	610120.00	4200700.00	44.65	44.65
DISCCART	610120.00	4200720.00	44.53	44.53
DISCCART	610120.00	4200740.00	44.27	44.27
DISCCART	610120.00	4200760.00	44.10	44.10

Modeled Receptors

DISCCART	610120.00	4200780.00	44.08	44.08
DISCCART	610120.00	4200800.00	44.04	44.04
DISCCART	610120.00	4200820.00	44.01	44.01
DISCCART	610120.00	4200840.00	44.00	44.00
DISCCART	610120.00	4200860.00	43.97	43.97
DISCCART	610120.00	4200880.00	43.97	43.97
DISCCART	610120.00	4200900.00	44.04	44.04
DISCCART	610120.00	4200920.00	44.07	44.07
DISCCART	610120.00	4200940.00	44.07	44.07
DISCCART	610120.00	4200960.00	44.13	44.13
DISCCART	610120.00	4200980.00	44.13	44.13
DISCCART	610140.00	4199580.00	56.66	82.04
DISCCART	610140.00	4199600.00	54.96	82.04
DISCCART	610140.00	4199620.00	54.01	82.12
DISCCART	610140.00	4199640.00	53.21	82.12
DISCCART	610140.00	4199660.00	52.81	82.34
DISCCART	610140.00	4199680.00	52.29	90.02
DISCCART	610140.00	4199700.00	51.98	90.76
DISCCART	610140.00	4199720.00	51.77	90.76
DISCCART	610140.00	4199740.00	51.68	84.85
DISCCART	610140.00	4199760.00	52.09	84.46
DISCCART	610140.00	4199780.00	52.78	82.34
DISCCART	610140.00	4199800.00	53.33	82.12
DISCCART	610140.00	4199820.00	54.10	81.03

Modeled Receptors

DISCCART	610140.00	4199840.00	54.70	79.62
DISCCART	610140.00	4199860.00	55.32	69.52
DISCCART	610140.00	4200700.00	44.15	44.15
DISCCART	610140.00	4200720.00	44.11	44.11
DISCCART	610140.00	4200740.00	43.93	43.93
DISCCART	610140.00	4200760.00	43.92	43.92
DISCCART	610140.00	4200780.00	43.80	43.80
DISCCART	610140.00	4200800.00	43.76	43.76
DISCCART	610140.00	4200820.00	43.71	43.71
DISCCART	610140.00	4200840.00	43.71	43.71
DISCCART	610140.00	4200860.00	43.78	43.78
DISCCART	610140.00	4200880.00	43.77	43.77
DISCCART	610140.00	4200900.00	43.85	43.85
DISCCART	610140.00	4200920.00	43.87	43.87
DISCCART	610140.00	4200940.00	43.92	43.92
DISCCART	610140.00	4200960.00	43.97	43.97
DISCCART	610140.00	4200980.00	43.97	43.97
DISCCART	610160.00	4199580.00	55.20	82.04
DISCCART	610160.00	4199600.00	54.26	82.04
DISCCART	610160.00	4199620.00	53.33	82.04
DISCCART	610160.00	4199640.00	52.81	82.12
DISCCART	610160.00	4199660.00	52.27	82.12
DISCCART	610160.00	4199680.00	51.79	82.12
DISCCART	610160.00	4199700.00	51.60	82.12

Modeled Receptors

DISCCART	610160.00	4199720.00	51.75	82.12
DISCCART	610160.00	4199740.00	52.18	82.12
DISCCART	610160.00	4199760.00	52.80	82.12
DISCCART	610160.00	4199780.00	53.61	80.86
DISCCART	610160.00	4199800.00	54.41	69.52
DISCCART	610160.00	4199820.00	55.15	69.52
DISCCART	610160.00	4199840.00	56.16	69.52
DISCCART	610160.00	4199860.00	57.30	69.52
DISCCART	610160.00	4200700.00	43.68	43.68
DISCCART	610160.00	4200720.00	43.61	43.61
DISCCART	610160.00	4200740.00	43.61	43.61
DISCCART	610160.00	4200760.00	43.60	43.60
DISCCART	610160.00	4200780.00	43.57	43.57
DISCCART	610160.00	4200800.00	43.56	43.56
DISCCART	610160.00	4200820.00	43.47	43.47
DISCCART	610160.00	4200840.00	43.55	43.55
DISCCART	610160.00	4200860.00	43.57	43.57
DISCCART	610160.00	4200880.00	43.62	43.62
DISCCART	610160.00	4200900.00	43.67	43.67
DISCCART	610160.00	4200920.00	43.75	43.75
DISCCART	610160.00	4200940.00	43.77	43.77
DISCCART	610160.00	4200960.00	43.77	43.77
DISCCART	610160.00	4200980.00	43.83	43.83
DISCCART	610180.00	4199580.00	54.40	82.04

Modeled Receptors

DISCCART	610180.00	4199600.00	53.39	82.04
DISCCART	610180.00	4199620.00	52.65	82.04
DISCCART	610180.00	4199640.00	52.23	82.04
DISCCART	610180.00	4199660.00	51.89	81.73
DISCCART	610180.00	4199680.00	51.57	82.12
DISCCART	610180.00	4199700.00	51.56	82.12
DISCCART	610180.00	4199720.00	52.17	80.41
DISCCART	610180.00	4199740.00	52.94	69.52
DISCCART	610180.00	4199760.00	53.75	69.52
DISCCART	610180.00	4199780.00	54.61	69.52
DISCCART	610180.00	4199800.00	55.44	69.52
DISCCART	610180.00	4199820.00	56.77	69.52
DISCCART	610180.00	4199840.00	58.20	69.52
DISCCART	610180.00	4199860.00	59.56	69.52
DISCCART	610180.00	4200700.00	43.27	43.27
DISCCART	610180.00	4200720.00	43.31	43.31
DISCCART	610180.00	4200740.00	43.37	43.37
DISCCART	610180.00	4200760.00	43.37	43.37
DISCCART	610180.00	4200780.00	43.37	43.37
DISCCART	610180.00	4200800.00	43.37	43.37
DISCCART	610180.00	4200820.00	43.38	43.38
DISCCART	610180.00	4200840.00	43.37	43.37
DISCCART	610180.00	4200860.00	43.39	43.39
DISCCART	610180.00	4200880.00	43.47	43.47

Modeled Receptors

DISCCART	610180.00	4200900.00	43.55	43.55
DISCCART	610180.00	4200920.00	43.57	43.57
DISCCART	610180.00	4200940.00	43.62	43.62
DISCCART	610180.00	4200960.00	43.67	43.67
DISCCART	610180.00	4200980.00	43.67	43.67
DISCCART	610200.00	4199580.00	54.07	82.04
DISCCART	610200.00	4199600.00	52.99	82.04
DISCCART	610200.00	4199620.00	52.33	82.04
DISCCART	610200.00	4199640.00	51.99	82.04
DISCCART	610200.00	4199660.00	51.96	81.13
DISCCART	610200.00	4199680.00	51.87	51.87
DISCCART	610200.00	4199700.00	52.22	68.15
DISCCART	610200.00	4199720.00	52.95	69.28
DISCCART	610200.00	4199740.00	53.75	69.52
DISCCART	610200.00	4199760.00	54.65	69.52
DISCCART	610200.00	4199780.00	55.60	69.52
DISCCART	610200.00	4199800.00	57.22	69.52
DISCCART	610200.00	4199820.00	58.85	69.52
DISCCART	610200.00	4199840.00	60.37	69.52
DISCCART	610200.00	4199860.00	61.88	69.52
DISCCART	610200.00	4200700.00	42.99	42.99
DISCCART	610200.00	4200720.00	43.07	43.07
DISCCART	610200.00	4200740.00	43.18	43.18
DISCCART	610200.00	4200760.00	43.17	43.17

Modeled Receptors

DISCCART	610200.00	4200780.00	43.23	43.23
DISCCART	610200.00	4200800.00	43.23	43.23
DISCCART	610200.00	4200820.00	43.23	43.23
DISCCART	610200.00	4200840.00	43.23	43.23
DISCCART	610200.00	4200860.00	43.27	43.27
DISCCART	610200.00	4200880.00	43.35	43.35
DISCCART	610200.00	4200900.00	43.37	43.37
DISCCART	610200.00	4200920.00	43.45	43.45
DISCCART	610200.00	4200940.00	43.47	43.47
DISCCART	610200.00	4200960.00	43.50	43.50
DISCCART	610200.00	4200980.00	43.53	43.53
DISCCART	610220.00	4199580.00	53.87	82.04
DISCCART	610220.00	4199600.00	53.49	82.04
DISCCART	610220.00	4199620.00	52.78	82.04
DISCCART	610220.00	4199640.00	52.47	81.09
DISCCART	610220.00	4199660.00	52.29	52.29
DISCCART	610220.00	4199680.00	52.70	52.70
DISCCART	610220.00	4199700.00	53.24	53.24
DISCCART	610220.00	4199720.00	53.80	69.28
DISCCART	610220.00	4199740.00	54.62	69.50
DISCCART	610220.00	4199760.00	55.62	69.52
DISCCART	610220.00	4199780.00	57.39	69.52
DISCCART	610220.00	4199800.00	59.21	69.52
DISCCART	610220.00	4199820.00	60.98	69.52

Modeled Receptors

DISCCART	610220.00	4199840.00	62.77	69.52
DISCCART	610220.00	4199860.00	64.69	69.52
DISCCART	610220.00	4200700.00	42.72	42.72
DISCCART	610220.00	4200720.00	42.90	42.90
DISCCART	610220.00	4200740.00	42.97	42.97
DISCCART	610220.00	4200760.00	43.05	43.05
DISCCART	610220.00	4200780.00	43.07	43.07
DISCCART	610220.00	4200800.00	43.07	43.07
DISCCART	610220.00	4200820.00	43.07	43.07
DISCCART	610220.00	4200840.00	43.14	43.14
DISCCART	610220.00	4200860.00	43.15	43.15
DISCCART	610220.00	4200880.00	43.20	43.20
DISCCART	610220.00	4200900.00	43.28	43.28
DISCCART	610220.00	4200920.00	43.27	43.27
DISCCART	610220.00	4200940.00	43.35	43.35
DISCCART	610220.00	4200960.00	43.38	43.38
DISCCART	610220.00	4200980.00	43.37	43.37
DISCCART	610240.00	4199580.00	53.81	82.04
DISCCART	610240.00	4199600.00	53.87	81.32
DISCCART	610240.00	4199620.00	53.55	53.55
DISCCART	610240.00	4199640.00	53.12	53.12
DISCCART	610240.00	4199660.00	53.12	53.12
DISCCART	610240.00	4199680.00	53.65	53.65
DISCCART	610240.00	4199700.00	54.09	62.99

Modeled Receptors

DISCCART	610240.00	4199720.00	54.73	69.03
DISCCART	610240.00	4199740.00	55.68	69.40
DISCCART	610240.00	4199760.00	57.46	69.40
DISCCART	610240.00	4199780.00	59.46	69.40
DISCCART	610240.00	4199800.00	61.33	69.40
DISCCART	610240.00	4199820.00	63.21	69.40
DISCCART	610240.00	4199840.00	65.24	69.40
DISCCART	610240.00	4199860.00	67.30	68.45
DISCCART	610240.00	4200700.00	42.45	42.45
DISCCART	610240.00	4200720.00	42.71	42.71
DISCCART	610240.00	4200740.00	42.81	42.81
DISCCART	610240.00	4200760.00	42.87	42.87
DISCCART	610240.00	4200780.00	42.93	42.93
DISCCART	610240.00	4200800.00	42.98	42.98
DISCCART	610240.00	4200820.00	42.97	42.97
DISCCART	610240.00	4200840.00	42.97	42.97
DISCCART	610240.00	4200860.00	43.03	43.03
DISCCART	610240.00	4200880.00	43.07	43.07
DISCCART	610240.00	4200900.00	43.10	43.10
DISCCART	610240.00	4200920.00	43.17	43.17
DISCCART	610240.00	4200940.00	43.17	43.17
DISCCART	610240.00	4200960.00	43.17	43.17
DISCCART	610240.00	4200980.00	43.17	43.17
DISCCART	610260.00	4199580.00	54.22	80.68

Modeled Receptors

DISCCART	610260.00	4199600.00	54.48	54.48
DISCCART	610260.00	4199620.00	54.24	54.24
DISCCART	610260.00	4199640.00	54.17	54.17
DISCCART	610260.00	4199660.00	54.45	54.45
DISCCART	610260.00	4199680.00	54.55	54.55
DISCCART	610260.00	4199700.00	55.06	63.05
DISCCART	610260.00	4199720.00	55.88	68.55
DISCCART	610260.00	4199740.00	57.56	68.55
DISCCART	610260.00	4199760.00	59.51	68.55
DISCCART	610260.00	4199780.00	61.40	69.03
DISCCART	610260.00	4199800.00	63.13	69.03
DISCCART	610260.00	4199820.00	65.10	69.03
DISCCART	610260.00	4199840.00	67.37	68.15
DISCCART	610260.00	4199860.00	68.81	68.81
DISCCART	610260.00	4200700.00	42.32	42.32
DISCCART	610260.00	4200720.00	42.52	42.52
DISCCART	610260.00	4200740.00	42.68	42.68
DISCCART	610260.00	4200760.00	42.75	42.75
DISCCART	610260.00	4200780.00	42.77	42.77
DISCCART	610260.00	4200800.00	42.84	42.84
DISCCART	610260.00	4200820.00	42.85	42.85
DISCCART	610260.00	4200840.00	42.87	42.87
DISCCART	610260.00	4200860.00	42.90	42.90
DISCCART	610260.00	4200880.00	42.96	42.96

Modeled Receptors

DISCCART	610260.00	4200900.00	42.98	42.98
DISCCART	610260.00	4200920.00	42.96	42.96
DISCCART	610260.00	4200940.00	43.02	43.02
DISCCART	610260.00	4200960.00	43.08	43.08
DISCCART	610260.00	4200980.00	43.08	43.08
DISCCART	610280.00	4199580.00	54.86	54.86
DISCCART	610280.00	4199600.00	55.26	55.26
DISCCART	610280.00	4199620.00	55.32	55.32
DISCCART	610280.00	4199640.00	55.30	55.30
DISCCART	610280.00	4199660.00	55.32	55.32
DISCCART	610280.00	4199680.00	55.57	59.82
DISCCART	610280.00	4199700.00	56.41	62.79
DISCCART	610280.00	4199720.00	57.95	63.05
DISCCART	610280.00	4199740.00	59.62	62.71
DISCCART	610280.00	4199760.00	61.41	61.84
DISCCART	610280.00	4199780.00	62.84	66.36
DISCCART	610280.00	4199800.00	64.51	67.94
DISCCART	610280.00	4199820.00	66.47	67.94
DISCCART	610280.00	4199840.00	68.25	68.25
DISCCART	610280.00	4199860.00	68.87	68.87
DISCCART	610280.00	4199880.00	68.51	68.51
DISCCART	610280.00	4200700.00	42.27	42.27
DISCCART	610280.00	4200720.00	42.46	42.46
DISCCART	610280.00	4200740.00	42.55	42.55

Modeled Receptors

DISCCART	610280.00	4200760.00	42.63	42.63
DISCCART	610280.00	4200780.00	42.68	42.68
DISCCART	610280.00	4200800.00	42.67	42.67
DISCCART	610280.00	4200820.00	42.73	42.73
DISCCART	610280.00	4200840.00	42.77	42.77
DISCCART	610280.00	4200860.00	42.77	42.77
DISCCART	610280.00	4200880.00	42.77	42.77
DISCCART	610280.00	4200900.00	42.82	42.82
DISCCART	610280.00	4200920.00	42.87	42.87
DISCCART	610280.00	4200940.00	42.87	42.87
DISCCART	610280.00	4200960.00	42.87	42.87
DISCCART	610280.00	4200980.00	42.87	42.87
DISCCART	610300.00	4199580.00	55.39	55.39
DISCCART	610300.00	4199600.00	55.53	55.53
DISCCART	610300.00	4199620.00	55.71	55.71
DISCCART	610300.00	4199640.00	55.84	55.84
DISCCART	610300.00	4199660.00	56.21	56.21
DISCCART	610300.00	4199680.00	57.18	59.21
DISCCART	610300.00	4199700.00	58.33	59.76
DISCCART	610300.00	4199720.00	59.75	61.19
DISCCART	610300.00	4199740.00	61.40	61.40
DISCCART	610300.00	4199760.00	62.60	62.60
DISCCART	610300.00	4199780.00	63.77	63.77
DISCCART	610300.00	4199800.00	65.39	65.39

Modeled Receptors

DISCCART	610300.00	4199820.00	66.83	66.83
DISCCART	610300.00	4199840.00	67.74	67.74
DISCCART	610300.00	4199860.00	67.70	67.70
DISCCART	610300.00	4199880.00	67.11	67.11
DISCCART	610300.00	4200700.00	42.25	42.25
DISCCART	610300.00	4200720.00	42.35	42.35
DISCCART	610300.00	4200740.00	42.45	42.45
DISCCART	610300.00	4200760.00	42.50	42.50
DISCCART	610300.00	4200780.00	42.55	42.55
DISCCART	610300.00	4200800.00	42.57	42.57
DISCCART	610300.00	4200820.00	42.57	42.57
DISCCART	610300.00	4200840.00	42.63	42.63
DISCCART	610300.00	4200860.00	42.65	42.65
DISCCART	610300.00	4200880.00	42.68	42.68
DISCCART	610300.00	4200900.00	42.67	42.67
DISCCART	610300.00	4200920.00	42.66	42.66
DISCCART	610300.00	4200940.00	42.73	42.73
DISCCART	610300.00	4200960.00	42.73	42.73
DISCCART	610300.00	4200980.00	42.75	42.75
DISCCART	610320.00	4199580.00	55.55	55.55
DISCCART	610320.00	4199600.00	55.97	55.97
DISCCART	610320.00	4199620.00	56.47	56.47
DISCCART	610320.00	4199640.00	57.01	57.01
DISCCART	610320.00	4199660.00	57.61	57.61

Modeled Receptors

DISCCART	610320.00	4199680.00	58.79	58.79
DISCCART	610320.00	4199700.00	59.90	59.90
DISCCART	610320.00	4199720.00	60.76	60.76
DISCCART	610320.00	4199740.00	62.14	62.14
DISCCART	610320.00	4199760.00	63.23	63.23
DISCCART	610320.00	4199780.00	64.13	64.13
DISCCART	610320.00	4199800.00	64.99	64.99
DISCCART	610320.00	4199820.00	65.67	65.67
DISCCART	610320.00	4199840.00	65.95	65.95
DISCCART	610320.00	4199860.00	65.66	67.91
DISCCART	610320.00	4199880.00	64.94	68.36
DISCCART	610320.00	4200260.00	47.37	69.11
DISCCART	610320.00	4200280.00	46.96	46.96
DISCCART	610320.00	4200300.00	46.56	46.56
DISCCART	610320.00	4200320.00	46.14	46.14
DISCCART	610320.00	4200340.00	45.66	45.66
DISCCART	610320.00	4200360.00	45.22	45.22
DISCCART	610320.00	4200700.00	42.14	42.14
DISCCART	610320.00	4200720.00	42.25	42.25
DISCCART	610320.00	4200740.00	42.35	42.35
DISCCART	610320.00	4200760.00	42.37	42.37
DISCCART	610320.00	4200780.00	42.43	42.43
DISCCART	610320.00	4200800.00	42.45	42.45
DISCCART	610320.00	4200820.00	42.48	42.48

Modeled Receptors

DISCCART	610320.00	4200840.00	42.47	42.47
DISCCART	610320.00	4200860.00	42.47	42.47
DISCCART	610320.00	4200880.00	42.52	42.52
DISCCART	610320.00	4200900.00	42.57	42.57
DISCCART	610320.00	4200920.00	42.57	42.57
DISCCART	610320.00	4200940.00	42.57	42.57
DISCCART	610320.00	4200960.00	42.57	42.57
DISCCART	610320.00	4200980.00	42.57	42.57
DISCCART	610340.00	4199580.00	55.63	55.63
DISCCART	610340.00	4199600.00	56.17	56.17
DISCCART	610340.00	4199620.00	56.74	56.74
DISCCART	610340.00	4199640.00	57.44	57.44
DISCCART	610340.00	4199660.00	57.72	57.72
DISCCART	610340.00	4199680.00	58.45	58.45
DISCCART	610340.00	4199700.00	59.65	59.65
DISCCART	610340.00	4199720.00	60.21	60.21
DISCCART	610340.00	4199740.00	61.49	61.49
DISCCART	610340.00	4199760.00	62.47	62.47
DISCCART	610340.00	4199780.00	63.16	63.16
DISCCART	610340.00	4199800.00	63.71	63.71
DISCCART	610340.00	4199820.00	64.03	64.03
DISCCART	610340.00	4199840.00	63.98	63.98
DISCCART	610340.00	4199860.00	63.53	67.98
DISCCART	610340.00	4199880.00	62.95	68.36

Modeled Receptors

DISCCART	610340.00	4200260.00	46.73	46.73
DISCCART	610340.00	4200280.00	46.36	46.36
DISCCART	610340.00	4200300.00	45.96	45.96
DISCCART	610340.00	4200320.00	45.54	45.54
DISCCART	610340.00	4200340.00	45.05	45.05
DISCCART	610340.00	4200360.00	44.62	44.62
DISCCART	610340.00	4200380.00	44.16	44.16
DISCCART	610340.00	4200400.00	43.76	43.76
DISCCART	610340.00	4200420.00	43.40	43.40
DISCCART	610340.00	4200700.00	42.17	42.17
DISCCART	610340.00	4200720.00	42.20	42.20
DISCCART	610340.00	4200740.00	42.24	42.24
DISCCART	610340.00	4200760.00	42.27	42.27
DISCCART	610340.00	4200780.00	42.27	42.27
DISCCART	610340.00	4200800.00	42.27	42.27
DISCCART	610340.00	4200820.00	42.33	42.33
DISCCART	610340.00	4200840.00	42.35	42.35
DISCCART	610340.00	4200860.00	42.37	42.37
DISCCART	610340.00	4200880.00	42.37	42.37
DISCCART	610340.00	4200900.00	42.37	42.37
DISCCART	610340.00	4200920.00	42.40	42.40
DISCCART	610340.00	4200940.00	42.43	42.43
DISCCART	610340.00	4200960.00	42.43	42.43
DISCCART	610340.00	4200980.00	42.43	42.43

Modeled Receptors

DISCCART	610360.00	4199580.00	55.59	55.59
DISCCART	610360.00	4199600.00	56.04	56.04
DISCCART	610360.00	4199620.00	56.77	56.77
DISCCART	610360.00	4199640.00	56.86	56.86
DISCCART	610360.00	4199660.00	55.99	55.99
DISCCART	610360.00	4199680.00	55.81	60.52
DISCCART	610360.00	4199700.00	56.64	62.28
DISCCART	610360.00	4199720.00	57.93	62.82
DISCCART	610360.00	4199740.00	59.43	62.54
DISCCART	610360.00	4199760.00	60.94	61.50
DISCCART	610360.00	4199780.00	61.92	61.92
DISCCART	610360.00	4199800.00	62.31	62.31
DISCCART	610360.00	4199820.00	62.31	62.31
DISCCART	610360.00	4199840.00	62.20	62.20
DISCCART	610360.00	4199860.00	61.67	67.91
DISCCART	610360.00	4199880.00	60.80	68.76
DISCCART	610360.00	4200260.00	46.11	46.11
DISCCART	610360.00	4200280.00	45.82	45.82
DISCCART	610360.00	4200300.00	45.36	45.36
DISCCART	610360.00	4200320.00	44.95	44.95
DISCCART	610360.00	4200340.00	44.45	44.45
DISCCART	610360.00	4200360.00	44.02	44.02
DISCCART	610360.00	4200380.00	43.58	43.58
DISCCART	610360.00	4200400.00	43.34	43.34

Modeled Receptors

DISCCART	610360.00	4200420.00	43.23	43.23
DISCCART	610360.00	4200440.00	43.13	43.13
DISCCART	610360.00	4200460.00	43.02	43.02
DISCCART	610360.00	4200480.00	42.95	42.95
DISCCART	610360.00	4200700.00	42.16	42.16
DISCCART	610360.00	4200720.00	42.07	42.07
DISCCART	610360.00	4200740.00	42.14	42.14
DISCCART	610360.00	4200760.00	42.13	42.13
DISCCART	610360.00	4200780.00	42.15	42.15
DISCCART	610360.00	4200800.00	42.18	42.18
DISCCART	610360.00	4200820.00	42.17	42.17
DISCCART	610360.00	4200840.00	42.17	42.17
DISCCART	610360.00	4200860.00	42.23	42.23
DISCCART	610360.00	4200880.00	42.25	42.25
DISCCART	610360.00	4200900.00	42.27	42.27
DISCCART	610360.00	4200920.00	42.27	42.27
DISCCART	610360.00	4200940.00	42.27	42.27
DISCCART	610360.00	4200960.00	42.27	42.27
DISCCART	610360.00	4200980.00	42.27	42.27
DISCCART	610380.00	4199580.00	55.56	55.56
DISCCART	610380.00	4199600.00	56.08	56.08
DISCCART	610380.00	4199620.00	56.79	56.79
DISCCART	610380.00	4199640.00	55.92	55.92
DISCCART	610380.00	4199660.00	55.38	55.38

Modeled Receptors

DISCCART	610380.00	4199680.00	54.48	60.47
DISCCART	610380.00	4199700.00	54.63	63.35
DISCCART	610380.00	4199720.00	55.62	64.14
DISCCART	610380.00	4199740.00	57.08	63.79
DISCCART	610380.00	4199760.00	58.54	63.27
DISCCART	610380.00	4199780.00	59.62	62.55
DISCCART	610380.00	4199800.00	60.16	62.66
DISCCART	610380.00	4199820.00	60.16	62.68
DISCCART	610380.00	4199840.00	59.86	67.32
DISCCART	610380.00	4199860.00	59.16	68.44
DISCCART	610380.00	4199880.00	58.29	69.14
DISCCART	610380.00	4200260.00	45.55	45.55
DISCCART	610380.00	4200280.00	45.26	45.26
DISCCART	610380.00	4200300.00	44.86	44.86
DISCCART	610380.00	4200320.00	44.39	44.39
DISCCART	610380.00	4200340.00	43.89	43.89
DISCCART	610380.00	4200360.00	43.46	43.46
DISCCART	610380.00	4200380.00	43.26	43.26
DISCCART	610380.00	4200400.00	43.17	43.17
DISCCART	610380.00	4200420.00	43.08	43.08
DISCCART	610380.00	4200440.00	42.98	42.98
DISCCART	610380.00	4200460.00	42.88	42.88
DISCCART	610380.00	4200480.00	42.80	42.80
DISCCART	610380.00	4200500.00	42.70	42.70

Modeled Receptors

DISCCART	610380.00	4200520.00	42.62	42.62
DISCCART	610380.00	4200540.00	42.55	42.55
DISCCART	610380.00	4200560.00	42.48	42.48
DISCCART	610380.00	4200580.00	42.41	42.41
DISCCART	610380.00	4200600.00	42.33	42.33
DISCCART	610380.00	4200620.00	42.23	42.23
DISCCART	610380.00	4200640.00	42.13	42.13
DISCCART	610380.00	4200660.00	41.72	41.72
DISCCART	610380.00	4200680.00	39.25	42.19
DISCCART	610380.00	4200700.00	41.58	41.58
DISCCART	610380.00	4200720.00	42.04	42.04
DISCCART	610380.00	4200740.00	41.98	41.98
DISCCART	610380.00	4200760.00	41.98	41.98
DISCCART	610380.00	4200780.00	41.98	41.98
DISCCART	610380.00	4200800.00	42.00	42.00
DISCCART	610380.00	4200820.00	42.05	42.05
DISCCART	610380.00	4200840.00	42.07	42.07
DISCCART	610380.00	4200860.00	42.07	42.07
DISCCART	610380.00	4200880.00	42.10	42.10
DISCCART	610380.00	4200900.00	42.13	42.13
DISCCART	610380.00	4200920.00	42.15	42.15
DISCCART	610380.00	4200940.00	42.17	42.17
DISCCART	610380.00	4200960.00	42.17	42.17
DISCCART	610380.00	4200980.00	42.17	42.17

Modeled Receptors

DISCCART	610400.00	4199600.00	56.15	56.15
DISCCART	610400.00	4199620.00	56.07	56.07
DISCCART	610400.00	4199640.00	55.59	55.59
DISCCART	610400.00	4199660.00	54.45	54.45
DISCCART	610400.00	4199680.00	53.14	60.20
DISCCART	610400.00	4199700.00	52.40	64.53
DISCCART	610400.00	4199720.00	52.98	66.28
DISCCART	610400.00	4199740.00	54.62	65.42
DISCCART	610400.00	4199760.00	56.23	64.35
DISCCART	610400.00	4199780.00	57.19	63.82
DISCCART	610400.00	4199800.00	57.72	64.00
DISCCART	610400.00	4199820.00	57.75	66.41
DISCCART	610400.00	4199840.00	57.30	68.44
DISCCART	610400.00	4199860.00	56.56	68.83
DISCCART	610400.00	4199880.00	55.82	69.37
DISCCART	610400.00	4200260.00	45.01	45.01
DISCCART	610400.00	4200280.00	44.74	44.74
DISCCART	610400.00	4200300.00	44.36	44.36
DISCCART	610400.00	4200320.00	43.87	43.87
DISCCART	610400.00	4200340.00	43.44	43.44
DISCCART	610400.00	4200360.00	43.23	43.23
DISCCART	610400.00	4200380.00	43.14	43.14
DISCCART	610400.00	4200400.00	43.00	43.00
DISCCART	610400.00	4200420.00	42.93	42.93

Modeled Receptors

DISCCART	610400.00	4200440.00	42.82	42.82
DISCCART	610400.00	4200460.00	42.75	42.75
DISCCART	610400.00	4200480.00	42.68	42.68
DISCCART	610400.00	4200500.00	42.59	42.59
DISCCART	610400.00	4200520.00	42.48	42.48
DISCCART	610400.00	4200540.00	42.44	42.44
DISCCART	610400.00	4200560.00	42.38	42.38
DISCCART	610400.00	4200580.00	42.33	42.33
DISCCART	610400.00	4200600.00	42.26	42.26
DISCCART	610400.00	4200620.00	42.21	42.21
DISCCART	610400.00	4200640.00	42.11	42.11
DISCCART	610400.00	4200660.00	42.06	42.06
DISCCART	610400.00	4200680.00	40.60	42.00
DISCCART	610400.00	4200700.00	39.20	42.08
DISCCART	610400.00	4200720.00	41.17	41.17
DISCCART	610400.00	4200740.00	41.67	41.67
DISCCART	610400.00	4200760.00	41.74	41.74
DISCCART	610400.00	4200780.00	41.79	41.79
DISCCART	610400.00	4200800.00	41.85	41.85
DISCCART	610400.00	4200820.00	41.90	41.90
DISCCART	610400.00	4200840.00	41.93	41.93
DISCCART	610400.00	4200860.00	41.97	41.97
DISCCART	610400.00	4200880.00	41.97	41.97
DISCCART	610400.00	4200900.00	41.97	41.97

Modeled Receptors

DISCCART	610400.00	4200920.00	42.03	42.03
DISCCART	610400.00	4200940.00	42.03	42.03
DISCCART	610400.00	4200960.00	42.03	42.03
DISCCART	610400.00	4200980.00	42.03	42.03
DISCCART	610420.00	4199600.00	55.94	55.94
DISCCART	610420.00	4199620.00	55.70	55.70
DISCCART	610420.00	4199640.00	55.23	55.23
DISCCART	610420.00	4199660.00	53.66	53.66
DISCCART	610420.00	4199680.00	51.87	52.90
DISCCART	610420.00	4199700.00	50.29	65.84
DISCCART	610420.00	4199720.00	49.90	68.55
DISCCART	610420.00	4199740.00	51.38	68.38
DISCCART	610420.00	4199760.00	53.13	67.98
DISCCART	610420.00	4199780.00	54.58	66.76
DISCCART	610420.00	4199800.00	55.35	66.41
DISCCART	610420.00	4199820.00	55.29	67.98
DISCCART	610420.00	4199840.00	54.80	68.83
DISCCART	610420.00	4199860.00	54.07	69.14
DISCCART	610420.00	4199880.00	53.32	69.37
DISCCART	610420.00	4200260.00	44.37	44.37
DISCCART	610420.00	4200280.00	44.20	44.20
DISCCART	610420.00	4200300.00	43.84	43.84
DISCCART	610420.00	4200320.00	43.44	43.44
DISCCART	610420.00	4200340.00	43.23	43.23

Modeled Receptors

DISCCART	610420.00	4200360.00	43.05	43.05
DISCCART	610420.00	4200380.00	42.92	42.92
DISCCART	610420.00	4200400.00	42.83	42.83
DISCCART	610420.00	4200420.00	42.72	42.72
DISCCART	610420.00	4200440.00	42.66	42.66
DISCCART	610420.00	4200460.00	42.58	42.58
DISCCART	610420.00	4200480.00	42.50	42.50
DISCCART	610420.00	4200500.00	42.42	42.42
DISCCART	610420.00	4200520.00	42.36	42.36
DISCCART	610420.00	4200540.00	42.27	42.27
DISCCART	610420.00	4200560.00	42.28	42.28
DISCCART	610420.00	4200580.00	42.21	42.21
DISCCART	610420.00	4200600.00	42.16	42.16
DISCCART	610420.00	4200620.00	42.11	42.11
DISCCART	610420.00	4200640.00	42.01	42.01
DISCCART	610420.00	4200660.00	41.96	41.96
DISCCART	610420.00	4200680.00	41.65	41.65
DISCCART	610420.00	4200700.00	40.08	40.08
DISCCART	610420.00	4200720.00	39.10	41.91
DISCCART	610420.00	4200740.00	40.40	40.40
DISCCART	610420.00	4200760.00	40.97	40.97
DISCCART	610420.00	4200780.00	41.35	41.35
DISCCART	610420.00	4200800.00	41.51	41.51
DISCCART	610420.00	4200820.00	41.66	41.66

Modeled Receptors

DISCCART	610420.00	4200840.00	41.74	41.74
DISCCART	610420.00	4200860.00	41.77	41.77
DISCCART	610420.00	4200880.00	41.82	41.82
DISCCART	610420.00	4200900.00	41.87	41.87
DISCCART	610420.00	4200920.00	41.87	41.87
DISCCART	610420.00	4200940.00	41.87	41.87
DISCCART	610420.00	4200960.00	41.87	41.87
DISCCART	610420.00	4200980.00	41.87	41.87
DISCCART	610440.00	4199600.00	56.08	56.08
DISCCART	610440.00	4199620.00	55.64	55.64
DISCCART	610440.00	4199640.00	54.78	54.78
DISCCART	610440.00	4199660.00	53.13	53.13
DISCCART	610440.00	4199680.00	51.32	51.32
DISCCART	610440.00	4199700.00	49.55	64.53
DISCCART	610440.00	4199720.00	48.66	68.38
DISCCART	610440.00	4199740.00	48.78	69.03
DISCCART	610440.00	4199760.00	49.86	69.03
DISCCART	610440.00	4199780.00	51.15	68.83
DISCCART	610440.00	4199800.00	51.95	68.83
DISCCART	610440.00	4199820.00	52.10	68.83
DISCCART	610440.00	4199840.00	51.82	69.14
DISCCART	610440.00	4199860.00	51.42	69.37
DISCCART	610440.00	4199880.00	50.83	69.52
DISCCART	610440.00	4200260.00	43.75	43.75

Modeled Receptors

DISCCART	610440.00	4200280.00	43.60	43.60
DISCCART	610440.00	4200300.00	43.39	43.39
DISCCART	610440.00	4200320.00	43.17	43.17
DISCCART	610440.00	4200340.00	43.03	43.03
DISCCART	610440.00	4200360.00	42.84	42.84
DISCCART	610440.00	4200380.00	42.73	42.73
DISCCART	610440.00	4200400.00	42.59	42.59
DISCCART	610440.00	4200420.00	42.52	42.52
DISCCART	610440.00	4200440.00	42.47	42.47
DISCCART	610440.00	4200460.00	42.40	42.40
DISCCART	610440.00	4200480.00	42.35	42.35
DISCCART	610440.00	4200500.00	42.28	42.28
DISCCART	610440.00	4200520.00	42.21	42.21
DISCCART	610440.00	4200540.00	42.18	42.18
DISCCART	610440.00	4200560.00	42.13	42.13
DISCCART	610440.00	4200580.00	42.07	42.07
DISCCART	610440.00	4200600.00	42.03	42.03
DISCCART	610440.00	4200620.00	41.97	41.97
DISCCART	610440.00	4200640.00	41.91	41.91
DISCCART	610440.00	4200660.00	41.72	41.72
DISCCART	610440.00	4200680.00	41.30	41.30
DISCCART	610440.00	4200700.00	40.69	40.69
DISCCART	610440.00	4200720.00	40.42	40.42
DISCCART	610440.00	4200740.00	38.75	40.63

Modeled Receptors

DISCCART	610440.00	4200760.00	40.56	40.56
DISCCART	610440.00	4200780.00	40.89	40.89
DISCCART	610440.00	4200800.00	41.26	41.26
DISCCART	610440.00	4200820.00	41.42	41.42
DISCCART	610440.00	4200840.00	41.52	41.52
DISCCART	610440.00	4200860.00	41.57	41.57
DISCCART	610440.00	4200880.00	41.62	41.62
DISCCART	610440.00	4200900.00	41.67	41.67
DISCCART	610440.00	4200920.00	41.67	41.67
DISCCART	610440.00	4200940.00	41.67	41.67
DISCCART	610440.00	4200960.00	41.67	41.67
DISCCART	610440.00	4200980.00	41.73	41.73
DISCCART	610460.00	4199600.00	56.05	56.05
DISCCART	610460.00	4199620.00	55.57	55.57
DISCCART	610460.00	4199640.00	54.42	54.42
DISCCART	610460.00	4199660.00	52.87	52.87
DISCCART	610460.00	4199680.00	51.18	51.18
DISCCART	610460.00	4199700.00	49.70	49.70
DISCCART	610460.00	4199720.00	48.78	64.96
DISCCART	610460.00	4199740.00	47.94	68.55
DISCCART	610460.00	4199760.00	48.19	68.83
DISCCART	610460.00	4199780.00	48.80	69.03
DISCCART	610460.00	4199800.00	49.25	69.14
DISCCART	610460.00	4199820.00	49.45	69.14

Modeled Receptors

DISCCART	610460.00	4199840.00	49.29	69.37
DISCCART	610460.00	4199860.00	49.05	69.52
DISCCART	610460.00	4199880.00	48.74	69.52
DISCCART	610460.00	4200260.00	43.15	43.15
DISCCART	610460.00	4200280.00	43.10	43.10
DISCCART	610460.00	4200300.00	42.99	42.99
DISCCART	610460.00	4200320.00	42.87	42.87
DISCCART	610460.00	4200340.00	42.66	42.66
DISCCART	610460.00	4200360.00	42.54	42.54
DISCCART	610460.00	4200380.00	42.44	42.44
DISCCART	610460.00	4200400.00	42.38	42.38
DISCCART	610460.00	4200420.00	42.31	42.31
DISCCART	610460.00	4200440.00	42.28	42.28
DISCCART	610460.00	4200460.00	42.22	42.22
DISCCART	610460.00	4200480.00	42.17	42.17
DISCCART	610460.00	4200500.00	42.10	42.10
DISCCART	610460.00	4200520.00	42.08	42.08
DISCCART	610460.00	4200540.00	41.97	41.97
DISCCART	610460.00	4200560.00	41.97	41.97
DISCCART	610460.00	4200580.00	41.93	41.93
DISCCART	610460.00	4200600.00	41.87	41.87
DISCCART	610460.00	4200620.00	41.80	41.80
DISCCART	610460.00	4200640.00	41.69	41.69
DISCCART	610460.00	4200660.00	41.49	41.49

Modeled Receptors

DISCCART	610460.00	4200680.00	41.10	41.10
DISCCART	610460.00	4200700.00	40.66	40.66
DISCCART	610460.00	4200720.00	40.51	40.51
DISCCART	610460.00	4200740.00	39.77	39.77
DISCCART	610460.00	4200760.00	39.76	39.76
DISCCART	610460.00	4200780.00	40.61	40.61
DISCCART	610460.00	4200800.00	40.90	40.90
DISCCART	610460.00	4200820.00	41.15	41.15
DISCCART	610460.00	4200840.00	41.32	41.32
DISCCART	610460.00	4200860.00	41.37	41.37
DISCCART	610460.00	4200880.00	41.47	41.47
DISCCART	610460.00	4200900.00	41.47	41.47
DISCCART	610460.00	4200920.00	41.47	41.47
DISCCART	610460.00	4200940.00	41.47	41.47
DISCCART	610460.00	4200960.00	41.55	41.55
DISCCART	610460.00	4200980.00	41.57	41.57
DISCCART	610480.00	4199600.00	56.42	56.42
DISCCART	610480.00	4199620.00	55.45	55.45
DISCCART	610480.00	4199640.00	54.16	54.16
DISCCART	610480.00	4199660.00	52.88	52.88
DISCCART	610480.00	4199680.00	51.27	68.32
DISCCART	610480.00	4199700.00	49.71	68.69
DISCCART	610480.00	4199720.00	48.91	68.69
DISCCART	610480.00	4199740.00	48.28	68.53

Modeled Receptors

DISCCART	610480.00	4199760.00	47.37	68.38
DISCCART	610480.00	4199780.00	47.47	68.83
DISCCART	610480.00	4199800.00	47.82	68.83
DISCCART	610480.00	4199820.00	48.48	68.83
DISCCART	610480.00	4199840.00	48.09	69.14
DISCCART	610480.00	4199860.00	47.63	69.37
DISCCART	610480.00	4199880.00	47.16	69.52
DISCCART	610480.00	4200260.00	42.54	42.54
DISCCART	610480.00	4200280.00	42.61	42.61
DISCCART	610480.00	4200300.00	42.53	42.53
DISCCART	610480.00	4200320.00	42.47	42.47
DISCCART	610480.00	4200340.00	42.35	42.35
DISCCART	610480.00	4200360.00	42.27	42.27
DISCCART	610480.00	4200380.00	42.19	42.19
DISCCART	610480.00	4200400.00	42.18	42.18
DISCCART	610480.00	4200420.00	42.13	42.13
DISCCART	610480.00	4200440.00	42.07	42.07
DISCCART	610480.00	4200460.00	42.08	42.08
DISCCART	610480.00	4200480.00	41.98	41.98
DISCCART	610480.00	4200500.00	41.95	41.95
DISCCART	610480.00	4200520.00	41.87	41.87
DISCCART	610480.00	4200540.00	41.83	41.83
DISCCART	610480.00	4200560.00	41.77	41.77
DISCCART	610480.00	4200580.00	41.70	41.70

Modeled Receptors

DISCCART	610480.00	4200600.00	41.67	41.67
DISCCART	610480.00	4200620.00	41.56	41.56
DISCCART	610480.00	4200640.00	41.43	41.43
DISCCART	610480.00	4200660.00	41.22	41.22
DISCCART	610480.00	4200680.00	40.95	40.95
DISCCART	610480.00	4200700.00	40.69	40.69
DISCCART	610480.00	4200720.00	40.57	40.57
DISCCART	610480.00	4200740.00	40.09	40.09
DISCCART	610480.00	4200760.00	39.49	39.49
DISCCART	610480.00	4200780.00	40.48	40.48
DISCCART	610480.00	4200800.00	40.71	40.71
DISCCART	610480.00	4200820.00	40.91	40.91
DISCCART	610480.00	4200840.00	41.06	41.06
DISCCART	610480.00	4200860.00	41.16	41.16
DISCCART	610480.00	4200880.00	41.24	41.24
DISCCART	610480.00	4200900.00	41.27	41.27
DISCCART	610480.00	4200920.00	41.27	41.27
DISCCART	610480.00	4200940.00	41.27	41.27
DISCCART	610480.00	4200960.00	41.37	41.37
DISCCART	610500.00	4199600.00	56.53	56.53
DISCCART	610500.00	4199620.00	55.49	55.49
DISCCART	610500.00	4199640.00	54.27	54.27
DISCCART	610500.00	4199660.00	53.02	68.69
DISCCART	610500.00	4199680.00	51.66	68.69

Modeled Receptors

DISCCART	610500.00	4199700.00	50.13	68.69
DISCCART	610500.00	4199720.00	49.11	68.69
DISCCART	610500.00	4199740.00	48.45	68.69
DISCCART	610500.00	4199760.00	47.68	68.69
DISCCART	610500.00	4199780.00	47.12	68.53
DISCCART	610500.00	4199800.00	47.10	67.98
DISCCART	610500.00	4199820.00	47.40	67.98
DISCCART	610500.00	4199840.00	47.12	68.44
DISCCART	610500.00	4199860.00	46.12	69.14
DISCCART	610500.00	4199880.00	45.47	69.37
DISCCART	610500.00	4199900.00	45.04	69.52
DISCCART	610500.00	4199920.00	44.52	69.52
DISCCART	610500.00	4200240.00	42.03	42.03
DISCCART	610500.00	4200260.00	42.12	42.12
DISCCART	610500.00	4200280.00	42.14	42.14
DISCCART	610500.00	4200300.00	42.11	42.11
DISCCART	610500.00	4200320.00	42.10	42.10
DISCCART	610500.00	4200340.00	42.01	42.01
DISCCART	610500.00	4200360.00	41.99	41.99
DISCCART	610500.00	4200380.00	41.98	41.98
DISCCART	610500.00	4200400.00	41.92	41.92
DISCCART	610500.00	4200420.00	41.87	41.87
DISCCART	610500.00	4200440.00	41.88	41.88
DISCCART	610500.00	4200460.00	41.82	41.82

Modeled Receptors

DISCCART	610500.00	4200480.00	41.80	41.80
DISCCART	610500.00	4200500.00	41.69	41.69
DISCCART	610500.00	4200520.00	41.65	41.65
DISCCART	610500.00	4200540.00	41.57	41.57
DISCCART	610500.00	4200560.00	41.49	41.49
DISCCART	610500.00	4200580.00	41.47	41.47
DISCCART	610500.00	4200600.00	41.39	41.39
DISCCART	610500.00	4200620.00	41.34	41.34
DISCCART	610500.00	4200640.00	41.22	41.22
DISCCART	610500.00	4200660.00	41.03	41.03
DISCCART	610500.00	4200680.00	40.81	40.81
DISCCART	610500.00	4200700.00	40.63	40.63
DISCCART	610500.00	4200720.00	40.48	40.48
DISCCART	610500.00	4200740.00	39.43	40.56
DISCCART	610500.00	4200760.00	39.96	39.96
DISCCART	610500.00	4200780.00	40.49	40.49
DISCCART	610500.00	4200800.00	40.59	40.59
DISCCART	610500.00	4200820.00	40.77	40.77
DISCCART	610500.00	4200840.00	40.90	40.90
DISCCART	610500.00	4200860.00	40.97	40.97
DISCCART	610500.00	4200880.00	41.05	41.05
DISCCART	610500.00	4200900.00	41.07	41.07
DISCCART	610500.00	4200920.00	41.07	41.07
DISCCART	610500.00	4200940.00	41.11	41.11

Modeled Receptors

DISCCART	610500.00	4200960.00	41.17	41.17
DISCCART	610520.00	4199600.00	57.22	59.31
DISCCART	610520.00	4199620.00	55.83	68.44
DISCCART	610520.00	4199640.00	54.74	68.69
DISCCART	610520.00	4199660.00	53.69	68.69
DISCCART	610520.00	4199680.00	52.36	68.69
DISCCART	610520.00	4199700.00	50.99	68.69
DISCCART	610520.00	4199720.00	49.65	68.69
DISCCART	610520.00	4199740.00	48.76	68.69
DISCCART	610520.00	4199760.00	48.10	68.69
DISCCART	610520.00	4199780.00	47.60	68.69
DISCCART	610520.00	4199800.00	47.26	68.53
DISCCART	610520.00	4199820.00	47.18	47.18
DISCCART	610520.00	4199840.00	46.45	46.45
DISCCART	610520.00	4199860.00	45.11	68.44
DISCCART	610520.00	4199880.00	44.02	69.14
DISCCART	610520.00	4199900.00	43.61	69.37
DISCCART	610520.00	4200220.00	41.61	41.61
DISCCART	610520.00	4200240.00	41.69	41.69
DISCCART	610520.00	4200260.00	41.71	41.71
DISCCART	610520.00	4200280.00	41.78	41.78
DISCCART	610520.00	4200300.00	41.75	41.75
DISCCART	610520.00	4200320.00	41.71	41.71
DISCCART	610520.00	4200340.00	41.72	41.72

Modeled Receptors

DISCCART	610520.00	4200360.00	41.70	41.70
DISCCART	610520.00	4200380.00	41.61	41.61
DISCCART	610520.00	4200400.00	41.61	41.61
DISCCART	610520.00	4200420.00	41.59	41.59
DISCCART	610520.00	4200440.00	41.54	41.54
DISCCART	610520.00	4200460.00	41.52	41.52
DISCCART	610520.00	4200480.00	41.47	41.47
DISCCART	610520.00	4200500.00	41.42	41.42
DISCCART	610520.00	4200520.00	41.37	41.37
DISCCART	610520.00	4200540.00	41.30	41.30
DISCCART	610520.00	4200560.00	41.27	41.27
DISCCART	610520.00	4200580.00	41.19	41.19
DISCCART	610520.00	4200600.00	41.09	41.09
DISCCART	610520.00	4200620.00	41.04	41.04
DISCCART	610520.00	4200640.00	40.85	40.85
DISCCART	610520.00	4200660.00	40.81	40.81
DISCCART	610520.00	4200680.00	40.69	40.69
DISCCART	610520.00	4200700.00	40.55	40.55
DISCCART	610520.00	4200720.00	40.49	40.49
DISCCART	610520.00	4200740.00	39.01	40.55
DISCCART	610520.00	4200760.00	40.27	40.27
DISCCART	610520.00	4200780.00	40.48	40.48
DISCCART	610520.00	4200800.00	40.58	40.58
DISCCART	610520.00	4200820.00	40.70	40.70

Modeled Receptors

DISCCART	610520.00	4200840.00	40.80	40.80
DISCCART	610520.00	4200860.00	40.85	40.85
DISCCART	610520.00	4200880.00	40.87	40.87
DISCCART	610520.00	4200900.00	40.87	40.87
DISCCART	610520.00	4200920.00	40.89	40.89
DISCCART	610520.00	4200940.00	40.93	40.93
DISCCART	610540.00	4199600.00	58.67	58.67
DISCCART	610540.00	4199620.00	57.02	68.69
DISCCART	610540.00	4199640.00	55.71	68.69
DISCCART	610540.00	4199660.00	54.55	68.69
DISCCART	610540.00	4199680.00	53.31	68.69
DISCCART	610540.00	4199700.00	52.15	68.69
DISCCART	610540.00	4199720.00	50.88	68.69
DISCCART	610540.00	4199740.00	49.60	68.69
DISCCART	610540.00	4199760.00	48.75	68.69
DISCCART	610540.00	4199780.00	48.15	68.69
DISCCART	610540.00	4199800.00	47.78	68.53
DISCCART	610540.00	4199820.00	47.40	47.40
DISCCART	610540.00	4199840.00	46.59	46.59
DISCCART	610540.00	4199860.00	45.07	45.07
DISCCART	610540.00	4199880.00	43.98	43.98
DISCCART	610540.00	4199900.00	43.22	67.91
DISCCART	610540.00	4200180.00	41.22	41.22
DISCCART	610540.00	4200200.00	41.27	41.27

Modeled Receptors

DISCCART	610540.00	4200220.00	41.32	41.32
DISCCART	610540.00	4200240.00	41.33	41.33
DISCCART	610540.00	4200260.00	41.42	41.42
DISCCART	610540.00	4200280.00	41.41	41.41
DISCCART	610540.00	4200300.00	41.41	41.41
DISCCART	610540.00	4200320.00	41.39	41.39
DISCCART	610540.00	4200340.00	41.34	41.34
DISCCART	610540.00	4200360.00	41.31	41.31
DISCCART	610540.00	4200380.00	41.31	41.31
DISCCART	610540.00	4200400.00	41.29	41.29
DISCCART	610540.00	4200420.00	41.24	41.24
DISCCART	610540.00	4200440.00	41.21	41.21
DISCCART	610540.00	4200460.00	41.19	41.19
DISCCART	610540.00	4200480.00	41.14	41.14
DISCCART	610540.00	4200500.00	41.11	41.11
DISCCART	610540.00	4200520.00	41.07	41.07
DISCCART	610540.00	4200540.00	41.01	41.01
DISCCART	610540.00	4200560.00	40.97	40.97
DISCCART	610540.00	4200580.00	40.86	40.86
DISCCART	610540.00	4200600.00	40.87	40.87
DISCCART	610540.00	4200620.00	40.84	40.84
DISCCART	610540.00	4200640.00	40.73	40.73
DISCCART	610540.00	4200660.00	40.67	40.67
DISCCART	610540.00	4200680.00	40.59	40.59

Modeled Receptors

DISCCART	610540.00	4200700.00	40.54	40.54
DISCCART	610540.00	4200720.00	40.44	40.44
DISCCART	610540.00	4200740.00	39.02	40.57
DISCCART	610540.00	4200760.00	40.25	40.25
DISCCART	610540.00	4200780.00	40.48	40.48
DISCCART	610540.00	4200800.00	40.55	40.55
DISCCART	610540.00	4200820.00	40.62	40.62
DISCCART	610540.00	4200840.00	40.67	40.67
DISCCART	610540.00	4200860.00	40.70	40.70
DISCCART	610540.00	4200880.00	40.73	40.73
DISCCART	610540.00	4200900.00	40.77	40.77
DISCCART	610540.00	4200920.00	40.77	40.77
DISCCART	610540.00	4200940.00	40.77	40.77
DISCCART	610560.00	4199600.00	59.99	59.99
DISCCART	610560.00	4199620.00	58.89	68.69
DISCCART	610560.00	4199640.00	57.34	68.69
DISCCART	610560.00	4199660.00	55.68	68.69
DISCCART	610560.00	4199680.00	54.50	68.69
DISCCART	610560.00	4199700.00	53.68	68.69
DISCCART	610560.00	4199720.00	52.66	68.69
DISCCART	610560.00	4199740.00	51.35	68.69
DISCCART	610560.00	4199760.00	50.09	68.69
DISCCART	610560.00	4199780.00	49.21	68.69
DISCCART	610560.00	4199800.00	48.80	68.53

Modeled Receptors

DISCCART	610560.00	4199820.00	48.24	57.99
DISCCART	610560.00	4199840.00	47.32	56.52
DISCCART	610560.00	4199860.00	46.37	46.37
DISCCART	610560.00	4199880.00	45.40	45.40
DISCCART	610560.00	4199900.00	44.45	44.45
DISCCART	610560.00	4200140.00	40.97	40.97
DISCCART	610560.00	4200160.00	40.97	40.97
DISCCART	610560.00	4200180.00	40.97	40.97
DISCCART	610560.00	4200200.00	40.97	40.97
DISCCART	610560.00	4200220.00	40.99	40.99
DISCCART	610560.00	4200240.00	41.01	41.01
DISCCART	610560.00	4200260.00	41.01	41.01
DISCCART	610560.00	4200280.00	41.01	41.01
DISCCART	610560.00	4200300.00	41.01	41.01
DISCCART	610560.00	4200320.00	41.01	41.01
DISCCART	610560.00	4200340.00	41.01	41.01
DISCCART	610560.00	4200360.00	41.00	41.00
DISCCART	610560.00	4200380.00	40.97	40.97
DISCCART	610560.00	4200400.00	40.91	40.91
DISCCART	610560.00	4200420.00	40.91	40.91
DISCCART	610560.00	4200440.00	40.89	40.89
DISCCART	610560.00	4200460.00	40.87	40.87
DISCCART	610560.00	4200480.00	40.84	40.84
DISCCART	610560.00	4200500.00	40.82	40.82

Modeled Receptors

DISCCART	610560.00	4200520.00	40.77	40.77
DISCCART	610560.00	4200540.00	40.77	40.77
DISCCART	610560.00	4200560.00	40.70	40.70
DISCCART	610560.00	4200580.00	40.67	40.67
DISCCART	610560.00	4200600.00	40.67	40.67
DISCCART	610560.00	4200620.00	40.56	40.56
DISCCART	610560.00	4200640.00	40.57	40.57
DISCCART	610560.00	4200660.00	40.57	40.57
DISCCART	610560.00	4200680.00	40.50	40.50
DISCCART	610560.00	4200700.00	40.46	40.46
DISCCART	610560.00	4200720.00	40.44	40.44
DISCCART	610560.00	4200740.00	39.39	40.56
DISCCART	610560.00	4200760.00	39.80	40.40
DISCCART	610560.00	4200780.00	40.44	40.44
DISCCART	610560.00	4200800.00	40.47	40.47
DISCCART	610560.00	4200820.00	40.50	40.50
DISCCART	610560.00	4200840.00	40.53	40.53
DISCCART	610560.00	4200860.00	40.55	40.55
DISCCART	610560.00	4200880.00	40.57	40.57
DISCCART	610560.00	4200900.00	40.57	40.57
DISCCART	610560.00	4200920.00	40.57	40.57
DISCCART	610580.00	4199620.00	60.66	68.69
DISCCART	610580.00	4199640.00	59.53	68.69
DISCCART	610580.00	4199660.00	57.99	68.69

Modeled Receptors

DISCCART	610580.00	4199680.00	56.57	68.69
DISCCART	610580.00	4199700.00	55.65	68.69
DISCCART	610580.00	4199720.00	54.83	68.69
DISCCART	610580.00	4199740.00	53.88	68.69
DISCCART	610580.00	4199760.00	52.74	68.69
DISCCART	610580.00	4199780.00	51.57	68.53
DISCCART	610580.00	4199800.00	50.43	68.32
DISCCART	610580.00	4199820.00	49.59	57.99
DISCCART	610580.00	4199840.00	48.78	56.33
DISCCART	610580.00	4199860.00	47.90	47.90
DISCCART	610580.00	4199880.00	46.90	46.90
DISCCART	610580.00	4199900.00	45.98	45.98
DISCCART	610580.00	4199920.00	45.24	45.24
DISCCART	610580.00	4199940.00	44.46	44.46
DISCCART	610580.00	4199960.00	43.96	43.96
DISCCART	610580.00	4199980.00	43.65	43.65
DISCCART	610580.00	4200000.00	42.91	42.91
DISCCART	610580.00	4200020.00	41.96	41.96
DISCCART	610580.00	4200040.00	41.18	41.18
DISCCART	610580.00	4200060.00	40.79	40.79
DISCCART	610580.00	4200080.00	40.77	40.77
DISCCART	610580.00	4200100.00	40.78	40.78
DISCCART	610580.00	4200120.00	40.69	40.69
DISCCART	610580.00	4200140.00	40.66	40.66

Modeled Receptors

DISCCART	610580.00	4200160.00	40.68	40.68
DISCCART	610580.00	4200180.00	40.71	40.71
DISCCART	610580.00	4200200.00	40.71	40.71
DISCCART	610580.00	4200220.00	40.71	40.71
DISCCART	610580.00	4200240.00	40.71	40.71
DISCCART	610580.00	4200260.00	40.71	40.71
DISCCART	610580.00	4200280.00	40.71	40.71
DISCCART	610580.00	4200300.00	40.69	40.69
DISCCART	610580.00	4200320.00	40.67	40.67
DISCCART	610580.00	4200340.00	40.64	40.64
DISCCART	610580.00	4200360.00	40.61	40.61
DISCCART	610580.00	4200380.00	40.61	40.61
DISCCART	610580.00	4200400.00	40.61	40.61
DISCCART	610580.00	4200420.00	40.61	40.61
DISCCART	610580.00	4200440.00	40.57	40.57
DISCCART	610580.00	4200460.00	40.57	40.57
DISCCART	610580.00	4200480.00	40.57	40.57
DISCCART	610580.00	4200500.00	40.51	40.51
DISCCART	610580.00	4200520.00	40.51	40.51
DISCCART	610580.00	4200540.00	40.47	40.47
DISCCART	610580.00	4200560.00	40.47	40.47
DISCCART	610580.00	4200580.00	40.47	40.47
DISCCART	610580.00	4200600.00	40.47	40.47
DISCCART	610580.00	4200620.00	40.47	40.47

Modeled Receptors

DISCCART	610580.00	4200640.00	40.43	40.43
DISCCART	610580.00	4200660.00	40.43	40.43
DISCCART	610580.00	4200680.00	40.41	40.41
DISCCART	610580.00	4200700.00	40.37	40.37
DISCCART	610580.00	4200720.00	40.38	40.38
DISCCART	610580.00	4200740.00	40.52	40.52
DISCCART	610580.00	4200760.00	38.74	40.85
DISCCART	610580.00	4200780.00	40.31	40.31
DISCCART	610580.00	4200800.00	40.37	40.37
DISCCART	610580.00	4200820.00	40.37	40.37
DISCCART	610580.00	4200840.00	40.43	40.43
DISCCART	610580.00	4200860.00	40.43	40.43
DISCCART	610580.00	4200880.00	40.43	40.43
DISCCART	610580.00	4200900.00	40.43	40.43
DISCCART	610600.00	4199620.00	62.75	68.69
DISCCART	610600.00	4199640.00	61.88	68.69
DISCCART	610600.00	4199660.00	61.10	68.69
DISCCART	610600.00	4199680.00	59.86	68.69
DISCCART	610600.00	4199700.00	58.38	68.69
DISCCART	610600.00	4199720.00	57.21	68.69
DISCCART	610600.00	4199740.00	56.30	68.53
DISCCART	610600.00	4199760.00	55.43	56.46
DISCCART	610600.00	4199780.00	54.15	57.06
DISCCART	610600.00	4199800.00	52.79	57.06

Modeled Receptors

DISCCART	610600.00	4199820.00	51.59	56.33
DISCCART	610600.00	4199840.00	50.44	55.07
DISCCART	610600.00	4199860.00	49.34	49.34
DISCCART	610600.00	4199880.00	48.26	48.26
DISCCART	610600.00	4199900.00	47.18	47.18
DISCCART	610600.00	4199920.00	46.08	46.08
DISCCART	610600.00	4199940.00	45.34	45.34
DISCCART	610600.00	4199960.00	44.72	44.72
DISCCART	610600.00	4199980.00	44.05	44.05
DISCCART	610600.00	4200000.00	43.31	43.31
DISCCART	610600.00	4200020.00	42.32	42.32
DISCCART	610600.00	4200040.00	41.02	41.02
DISCCART	610600.00	4200060.00	40.57	40.57
DISCCART	610600.00	4200080.00	40.52	40.52
DISCCART	610600.00	4200100.00	40.47	40.47
DISCCART	610600.00	4200120.00	40.50	40.50
DISCCART	610600.00	4200140.00	40.53	40.53
DISCCART	610600.00	4200160.00	40.53	40.53
DISCCART	610600.00	4200180.00	40.53	40.53
DISCCART	610600.00	4200200.00	40.53	40.53
DISCCART	610600.00	4200220.00	40.53	40.53
DISCCART	610600.00	4200240.00	40.53	40.53
DISCCART	610600.00	4200260.00	40.53	40.53
DISCCART	610600.00	4200280.00	40.53	40.53

Modeled Receptors

DISCCART	610600.00	4200300.00	40.53	40.53
DISCCART	610600.00	4200320.00	40.50	40.50
DISCCART	610600.00	4200340.00	40.47	40.47
DISCCART	610600.00	4200360.00	40.47	40.47
DISCCART	610600.00	4200380.00	40.45	40.45
DISCCART	610600.00	4200400.00	40.43	40.43
DISCCART	610600.00	4200420.00	40.43	40.43
DISCCART	610600.00	4200440.00	40.43	40.43
DISCCART	610600.00	4200460.00	40.43	40.43
DISCCART	610600.00	4200480.00	40.43	40.43
DISCCART	610600.00	4200500.00	40.43	40.43
DISCCART	610600.00	4200520.00	40.43	40.43
DISCCART	610600.00	4200540.00	40.43	40.43
DISCCART	610600.00	4200560.00	40.43	40.43
DISCCART	610600.00	4200580.00	40.43	40.43
DISCCART	610600.00	4200600.00	40.43	40.43
DISCCART	610600.00	4200620.00	40.43	40.43
DISCCART	610600.00	4200640.00	40.43	40.43
DISCCART	610600.00	4200660.00	40.44	40.44
DISCCART	610600.00	4200680.00	40.33	40.33
DISCCART	610600.00	4200700.00	40.33	40.33
DISCCART	610600.00	4200720.00	40.33	40.33
DISCCART	610600.00	4200740.00	40.39	40.39
DISCCART	610600.00	4200760.00	39.34	40.85

Modeled Receptors

DISCCART	610600.00	4200780.00	39.43	40.17
DISCCART	610600.00	4200800.00	40.42	40.42
DISCCART	610600.00	4200820.00	40.36	40.36
DISCCART	610600.00	4200840.00	40.38	40.38
DISCCART	610600.00	4200860.00	40.43	40.43
DISCCART	610600.00	4200880.00	40.43	40.43
DISCCART	610620.00	4199620.00	65.58	68.44
DISCCART	610620.00	4199640.00	64.84	68.69
DISCCART	610620.00	4199660.00	63.62	68.69
DISCCART	610620.00	4199680.00	62.25	68.53
DISCCART	610620.00	4199700.00	60.78	68.53
DISCCART	610620.00	4199720.00	59.29	68.53
DISCCART	610620.00	4199740.00	57.99	57.99
DISCCART	610620.00	4199760.00	57.05	57.05
DISCCART	610620.00	4199780.00	56.04	56.04
DISCCART	610620.00	4199800.00	54.68	55.26
DISCCART	610620.00	4199820.00	53.23	55.07
DISCCART	610620.00	4199840.00	51.67	51.67
DISCCART	610620.00	4199860.00	50.41	50.41
DISCCART	610620.00	4199880.00	49.22	49.22
DISCCART	610620.00	4199900.00	47.84	47.84
DISCCART	610620.00	4199920.00	46.20	46.20
DISCCART	610620.00	4199940.00	45.17	45.17
DISCCART	610620.00	4199960.00	44.51	44.51

Modeled Receptors

DISCCART	610620.00	4199980.00	43.91	43.91
DISCCART	610620.00	4200000.00	43.07	43.07
DISCCART	610620.00	4200020.00	42.06	42.06
DISCCART	610620.00	4200040.00	40.76	40.76
DISCCART	610620.00	4200060.00	40.36	40.36
DISCCART	610620.00	4200080.00	40.27	40.27
DISCCART	610620.00	4200100.00	40.27	40.27
DISCCART	610620.00	4200120.00	40.38	40.38
DISCCART	610620.00	4200140.00	40.37	40.37
DISCCART	610620.00	4200160.00	40.43	40.43
DISCCART	610620.00	4200180.00	40.43	40.43
DISCCART	610620.00	4200200.00	40.43	40.43
DISCCART	610620.00	4200220.00	40.43	40.43
DISCCART	610620.00	4200240.00	40.43	40.43
DISCCART	610620.00	4200260.00	40.43	40.43
DISCCART	610620.00	4200280.00	40.43	40.43
DISCCART	610620.00	4200300.00	40.43	40.43
DISCCART	610620.00	4200320.00	40.43	40.43
DISCCART	610620.00	4200340.00	40.43	40.43
DISCCART	610620.00	4200360.00	40.43	40.43
DISCCART	610620.00	4200380.00	40.43	40.43
DISCCART	610620.00	4200400.00	40.43	40.43
DISCCART	610620.00	4200420.00	40.43	40.43
DISCCART	610620.00	4200440.00	40.43	40.43

Modeled Receptors

DISCCART	610620.00	4200460.00	40.43	40.43
DISCCART	610620.00	4200480.00	40.43	40.43
DISCCART	610620.00	4200500.00	40.43	40.43
DISCCART	610620.00	4200520.00	40.43	40.43
DISCCART	610620.00	4200540.00	40.43	40.43
DISCCART	610620.00	4200560.00	40.43	40.43
DISCCART	610620.00	4200580.00	40.43	40.43
DISCCART	610620.00	4200600.00	40.43	40.43
DISCCART	610620.00	4200620.00	40.43	40.43
DISCCART	610620.00	4200640.00	40.44	40.44
DISCCART	610620.00	4200660.00	40.35	40.35
DISCCART	610620.00	4200680.00	40.33	40.33
DISCCART	610620.00	4200700.00	40.33	40.33
DISCCART	610620.00	4200720.00	40.41	40.41
DISCCART	610620.00	4200740.00	40.43	40.43
DISCCART	610620.00	4200760.00	40.62	40.62
DISCCART	610620.00	4200780.00	38.51	40.74
DISCCART	610620.00	4200800.00	40.51	40.51
DISCCART	610620.00	4200820.00	40.43	40.43
DISCCART	610620.00	4200840.00	40.43	40.43
DISCCART	610640.00	4199620.00	68.10	68.10
DISCCART	610640.00	4199640.00	67.57	67.57
DISCCART	610640.00	4199660.00	65.54	68.53
DISCCART	610640.00	4199680.00	63.59	68.53

Modeled Receptors

DISCCART	610640.00	4199700.00	62.05	67.83
DISCCART	610640.00	4199720.00	60.52	60.52
DISCCART	610640.00	4199740.00	59.21	59.21
DISCCART	610640.00	4199760.00	58.05	58.05
DISCCART	610640.00	4199780.00	56.97	56.97
DISCCART	610640.00	4199800.00	55.93	55.93
DISCCART	610640.00	4199820.00	54.09	55.46
DISCCART	610640.00	4199840.00	51.84	56.22
DISCCART	610640.00	4199860.00	50.46	50.46
DISCCART	610640.00	4199880.00	49.19	49.19
DISCCART	610640.00	4199900.00	47.54	47.54
DISCCART	610640.00	4199920.00	45.63	47.85
DISCCART	610640.00	4199940.00	44.72	44.72
DISCCART	610640.00	4199960.00	44.07	44.07
DISCCART	610640.00	4199980.00	43.44	43.44
DISCCART	610640.00	4200000.00	42.68	42.68
DISCCART	610640.00	4200020.00	41.77	41.77
DISCCART	610640.00	4200040.00	40.62	40.62
DISCCART	610640.00	4200060.00	40.23	40.23
DISCCART	610640.00	4200080.00	40.10	40.10
DISCCART	610640.00	4200100.00	40.12	40.12
DISCCART	610640.00	4200120.00	40.17	40.17
DISCCART	610640.00	4200140.00	40.21	40.21
DISCCART	610640.00	4200160.00	40.27	40.27

Modeled Receptors

DISCCART	610640.00	4200180.00	40.29	40.29
DISCCART	610640.00	4200200.00	40.33	40.33
DISCCART	610640.00	4200220.00	40.38	40.38
DISCCART	610640.00	4200240.00	40.38	40.38
DISCCART	610640.00	4200260.00	40.37	40.37
DISCCART	610640.00	4200280.00	40.37	40.37
DISCCART	610640.00	4200300.00	40.43	40.43
DISCCART	610640.00	4200320.00	40.43	40.43
DISCCART	610640.00	4200340.00	40.43	40.43
DISCCART	610640.00	4200360.00	40.43	40.43
DISCCART	610640.00	4200380.00	40.44	40.44
DISCCART	610640.00	4200400.00	40.44	40.44
DISCCART	610640.00	4200420.00	40.43	40.43
DISCCART	610640.00	4200440.00	40.43	40.43
DISCCART	610640.00	4200460.00	40.43	40.43
DISCCART	610640.00	4200480.00	40.43	40.43
DISCCART	610640.00	4200500.00	40.43	40.43
DISCCART	610640.00	4200520.00	40.43	40.43
DISCCART	610640.00	4200540.00	40.43	40.43
DISCCART	610640.00	4200560.00	40.43	40.43
DISCCART	610640.00	4200580.00	40.43	40.43
DISCCART	610640.00	4200600.00	40.41	40.41
DISCCART	610640.00	4200620.00	40.38	40.38
DISCCART	610640.00	4200640.00	40.32	40.32

Modeled Receptors

DISCCART	610640.00	4200660.00	40.33	40.33
DISCCART	610640.00	4200680.00	40.33	40.33
DISCCART	610640.00	4200700.00	40.33	40.33
DISCCART	610640.00	4200720.00	40.40	40.40
DISCCART	610640.00	4200740.00	40.44	40.44
DISCCART	610640.00	4200760.00	40.62	40.62
DISCCART	610640.00	4200780.00	38.46	40.74
DISCCART	610640.00	4200800.00	40.60	40.60
DISCCART	610660.00	4199620.00	68.26	68.26
DISCCART	610660.00	4199640.00	67.51	67.51
DISCCART	610660.00	4199660.00	65.65	68.53
DISCCART	610660.00	4199680.00	63.74	68.53
DISCCART	610660.00	4199700.00	62.38	62.38
DISCCART	610660.00	4199720.00	60.82	60.82
DISCCART	610660.00	4199740.00	59.35	59.35
DISCCART	610660.00	4199760.00	57.88	57.88
DISCCART	610660.00	4199780.00	56.85	56.85
DISCCART	610660.00	4199800.00	55.55	55.94
DISCCART	610660.00	4199820.00	53.22	56.84
DISCCART	610660.00	4199840.00	50.80	57.38
DISCCART	610660.00	4199860.00	49.37	56.84
DISCCART	610660.00	4199880.00	47.83	56.22
DISCCART	610660.00	4199900.00	46.24	55.52
DISCCART	610660.00	4199920.00	44.72	48.40

Modeled Receptors

DISCCART	610660.00	4199940.00	44.06	44.06
DISCCART	610660.00	4199960.00	43.47	43.47
DISCCART	610660.00	4199980.00	42.85	42.85
DISCCART	610660.00	4200000.00	42.24	42.24
DISCCART	610660.00	4200020.00	41.43	41.43
DISCCART	610660.00	4200040.00	40.52	40.52
DISCCART	610660.00	4200060.00	40.19	40.19
DISCCART	610660.00	4200080.00	40.01	40.01
DISCCART	610660.00	4200100.00	39.97	39.97
DISCCART	610660.00	4200120.00	39.97	39.97
DISCCART	610660.00	4200140.00	40.01	40.01
DISCCART	610660.00	4200160.00	40.07	40.07
DISCCART	610660.00	4200180.00	40.11	40.11
DISCCART	610660.00	4200200.00	40.17	40.17
DISCCART	610660.00	4200220.00	40.17	40.17
DISCCART	610660.00	4200240.00	40.21	40.21
DISCCART	610660.00	4200260.00	40.28	40.28
DISCCART	610660.00	4200280.00	40.28	40.28
DISCCART	610660.00	4200300.00	40.30	40.30
DISCCART	610660.00	4200320.00	40.33	40.33
DISCCART	610660.00	4200340.00	40.33	40.33
DISCCART	610660.00	4200360.00	40.33	40.33
DISCCART	610660.00	4200380.00	40.33	40.33
DISCCART	610660.00	4200400.00	40.33	40.33

Modeled Receptors

DISCCART	610660.00	4200420.00	40.38	40.38
DISCCART	610660.00	4200440.00	40.38	40.38
DISCCART	610660.00	4200460.00	40.38	40.38
DISCCART	610660.00	4200480.00	40.37	40.37
DISCCART	610660.00	4200500.00	40.37	40.37
DISCCART	610660.00	4200520.00	40.37	40.37
DISCCART	610660.00	4200540.00	40.36	40.36
DISCCART	610660.00	4200560.00	40.33	40.33
DISCCART	610660.00	4200580.00	40.33	40.33
DISCCART	610660.00	4200600.00	40.33	40.33
DISCCART	610660.00	4200620.00	40.33	40.33
DISCCART	610660.00	4200640.00	40.33	40.33
DISCCART	610660.00	4200660.00	40.33	40.33
DISCCART	610660.00	4200680.00	40.33	40.33
DISCCART	610660.00	4200700.00	40.33	40.33
DISCCART	610660.00	4200720.00	40.35	40.35
DISCCART	610660.00	4200740.00	40.37	40.37
DISCCART	610680.00	4199640.00	64.47	68.69
DISCCART	610680.00	4199660.00	63.32	68.69
DISCCART	610680.00	4199680.00	62.36	68.53
DISCCART	610680.00	4199700.00	61.33	67.83
DISCCART	610680.00	4199720.00	59.72	61.86
DISCCART	610680.00	4199740.00	58.21	59.73
DISCCART	610680.00	4199760.00	56.98	56.98

Modeled Receptors

DISCCART	610680.00	4199780.00	55.64	55.64
DISCCART	610680.00	4199800.00	53.63	57.26
DISCCART	610680.00	4199820.00	51.33	58.13
DISCCART	610680.00	4199840.00	49.16	58.92
DISCCART	610680.00	4199860.00	47.21	58.92
DISCCART	610680.00	4199880.00	45.28	58.92
DISCCART	610680.00	4199900.00	44.34	57.38
DISCCART	610680.00	4199920.00	43.61	55.52
DISCCART	610680.00	4199940.00	42.96	42.96
DISCCART	610680.00	4199960.00	42.55	42.55
DISCCART	610680.00	4199980.00	42.12	42.12
DISCCART	610680.00	4200000.00	41.63	41.63
DISCCART	610680.00	4200020.00	40.99	40.99
DISCCART	610680.00	4200040.00	40.38	40.38
DISCCART	610680.00	4200060.00	40.09	40.09
DISCCART	610680.00	4200080.00	39.91	39.91
DISCCART	610680.00	4200100.00	39.80	39.80
DISCCART	610680.00	4200120.00	39.78	39.78
DISCCART	610680.00	4200140.00	39.88	39.88
DISCCART	610680.00	4200160.00	39.87	39.87
DISCCART	610680.00	4200180.00	39.95	39.95
DISCCART	610680.00	4200200.00	39.97	39.97
DISCCART	610680.00	4200220.00	39.97	39.97
DISCCART	610680.00	4200240.00	40.08	40.08

Modeled Receptors

DISCCART	610680.00	4200260.00	40.07	40.07
DISCCART	610680.00	4200280.00	40.07	40.07
DISCCART	610680.00	4200300.00	40.17	40.17
DISCCART	610680.00	4200320.00	40.17	40.17
DISCCART	610680.00	4200340.00	40.17	40.17
DISCCART	610680.00	4200360.00	40.25	40.25
DISCCART	610680.00	4200380.00	40.27	40.27
DISCCART	610680.00	4200400.00	40.28	40.28
DISCCART	610680.00	4200420.00	40.27	40.27
DISCCART	610680.00	4200440.00	40.27	40.27
DISCCART	610680.00	4200460.00	40.34	40.34
DISCCART	610680.00	4200540.00	40.33	40.33
DISCCART	610680.00	4200560.00	40.33	40.33
DISCCART	610680.00	4200580.00	40.33	40.33
DISCCART	610680.00	4200600.00	40.33	40.33
DISCCART	610680.00	4200620.00	40.33	40.33
DISCCART	610680.00	4200640.00	40.33	40.33
DISCCART	610700.00	4199640.00	61.47	68.69
DISCCART	610700.00	4199660.00	60.77	68.69
DISCCART	610700.00	4199680.00	59.94	68.69
DISCCART	610700.00	4199700.00	58.90	68.69
DISCCART	610700.00	4199720.00	57.62	68.69
DISCCART	610700.00	4199740.00	56.49	68.53
DISCCART	610700.00	4199760.00	55.14	67.83

Modeled Receptors

DISCCART	610700.00	4199780.00	53.22	67.83
DISCCART	610700.00	4199800.00	51.05	68.53
DISCCART	610700.00	4199820.00	49.08	68.53
DISCCART	610700.00	4199840.00	46.99	68.53
DISCCART	610700.00	4199860.00	44.92	68.53
DISCCART	610700.00	4199880.00	42.97	68.53
DISCCART	610700.00	4199900.00	42.44	60.43
DISCCART	610700.00	4199920.00	42.21	57.38
DISCCART	610700.00	4199940.00	41.85	41.85
DISCCART	610700.00	4199960.00	41.48	41.48
DISCCART	610700.00	4199980.00	41.20	41.20
DISCCART	610700.00	4200000.00	40.92	40.92
DISCCART	610700.00	4200020.00	40.54	40.54
DISCCART	610700.00	4200040.00	40.18	40.18
DISCCART	610700.00	4200060.00	39.86	39.86
DISCCART	610700.00	4200080.00	39.70	39.70
DISCCART	610700.00	4200100.00	39.67	39.67
DISCCART	610700.00	4200120.00	39.67	39.67
DISCCART	610700.00	4200140.00	39.67	39.67
DISCCART	610700.00	4200160.00	39.69	39.69
DISCCART	610700.00	4200180.00	39.78	39.78
DISCCART	610700.00	4200200.00	39.77	39.77
DISCCART	610700.00	4200220.00	39.86	39.86
DISCCART	610700.00	4200240.00	39.87	39.87

Modeled Receptors

DISCCART	610700.00	4200260.00	39.87	39.87
DISCCART	610700.00	4200280.00	39.92	39.92
DISCCART	610700.00	4200300.00	39.97	39.97
DISCCART	610700.00	4200320.00	39.97	39.97
DISCCART	610700.00	4200340.00	40.00	40.00
DISCCART	610700.00	4200360.00	40.07	40.07
DISCCART	610700.00	4200380.00	40.07	40.07
DISCCART	610700.00	4200400.00	40.07	40.07
DISCCART	610700.00	4200420.00	40.07	40.07
DISCCART	610700.00	4200440.00	40.15	40.15
DISCCART	610720.00	4199660.00	58.17	68.69
DISCCART	610720.00	4199680.00	57.38	68.69
DISCCART	610720.00	4199700.00	56.40	68.69
DISCCART	610720.00	4199720.00	55.08	68.69
DISCCART	610720.00	4199740.00	53.64	68.69
DISCCART	610720.00	4199760.00	52.07	68.69
DISCCART	610720.00	4199780.00	50.26	68.69
DISCCART	610720.00	4199800.00	48.25	68.69
DISCCART	610720.00	4199820.00	46.50	68.69
DISCCART	610720.00	4199840.00	44.72	68.69
DISCCART	610720.00	4199860.00	42.66	68.69
DISCCART	610720.00	4199880.00	40.93	68.69
DISCCART	610720.00	4199900.00	40.79	68.53
DISCCART	610720.00	4199920.00	40.63	58.13

Modeled Receptors

DISCCART	610720.00	4199940.00	40.48	55.52
DISCCART	610720.00	4199960.00	40.37	40.37
DISCCART	610720.00	4199980.00	40.25	40.25
DISCCART	610720.00	4200000.00	40.11	40.11
DISCCART	610720.00	4200020.00	39.80	39.80
DISCCART	610720.00	4200040.00	39.57	39.57
DISCCART	610720.00	4200060.00	39.43	39.43
DISCCART	610720.00	4200080.00	39.40	39.40
DISCCART	610720.00	4200100.00	39.42	39.42
DISCCART	610720.00	4200120.00	39.47	39.47
DISCCART	610720.00	4200140.00	39.49	39.49
DISCCART	610720.00	4200160.00	39.58	39.58
DISCCART	610720.00	4200180.00	39.57	39.57
DISCCART	610720.00	4200200.00	39.65	39.65
DISCCART	610720.00	4200220.00	39.67	39.67
DISCCART	610720.00	4200240.00	39.67	39.67
DISCCART	610720.00	4200260.00	39.70	39.70
DISCCART	610720.00	4200280.00	39.77	39.77
DISCCART	610720.00	4200300.00	39.77	39.77
DISCCART	610720.00	4200320.00	39.77	39.77
DISCCART	610720.00	4200340.00	39.85	39.85
DISCCART	610720.00	4200360.00	39.87	39.87
DISCCART	610720.00	4200380.00	39.87	39.87
DISCCART	610720.00	4200400.00	39.87	39.87

Modeled Receptors

DISCCART	610720.00	4200420.00	39.95	39.95
DISCCART	610740.00	4199660.00	55.57	68.69
DISCCART	610740.00	4199680.00	54.47	68.69
DISCCART	610740.00	4199700.00	53.16	68.69
DISCCART	610740.00	4199720.00	51.64	68.69
DISCCART	610740.00	4199740.00	50.16	68.69
DISCCART	610740.00	4199760.00	48.77	68.69
DISCCART	610740.00	4199780.00	47.18	68.69
DISCCART	610740.00	4199800.00	45.35	68.69
DISCCART	610740.00	4199820.00	43.54	68.69
DISCCART	610740.00	4199840.00	41.48	68.69
DISCCART	610740.00	4199860.00	40.26	68.69
DISCCART	610740.00	4199880.00	39.63	68.69
DISCCART	610740.00	4199900.00	39.27	68.69
DISCCART	610740.00	4199920.00	39.18	61.86
DISCCART	610740.00	4199940.00	39.09	56.59
DISCCART	610740.00	4199960.00	38.95	38.95
DISCCART	610740.00	4199980.00	38.88	38.88
DISCCART	610740.00	4200000.00	38.88	38.88
DISCCART	610740.00	4200020.00	38.94	38.94
DISCCART	610740.00	4200040.00	38.90	38.90
DISCCART	610740.00	4200060.00	38.99	38.99
DISCCART	610740.00	4200080.00	39.07	39.07
DISCCART	610740.00	4200100.00	39.18	39.18

Modeled Receptors

DISCCART	610740.00	4200120.00	39.28	39.28
DISCCART	610740.00	4200140.00	39.35	39.35
DISCCART	610740.00	4200160.00	39.37	39.37
DISCCART	610740.00	4200180.00	39.45	39.45
DISCCART	610740.00	4200200.00	39.47	39.47
DISCCART	610740.00	4200220.00	39.47	39.47
DISCCART	610740.00	4200240.00	39.47	39.47
DISCCART	610740.00	4200260.00	39.55	39.55
DISCCART	610740.00	4200280.00	39.57	39.57
DISCCART	610740.00	4200300.00	39.57	39.57
DISCCART	610740.00	4200320.00	39.56	39.56
DISCCART	610740.00	4200340.00	39.66	39.66
DISCCART	610740.00	4200360.00	39.67	39.67
DISCCART	610740.00	4200380.00	39.67	39.67
DISCCART	610740.00	4200400.00	39.75	39.75
DISCCART	610760.00	4199680.00	50.57	68.69
DISCCART	610760.00	4199700.00	49.48	68.69
DISCCART	610760.00	4199720.00	48.23	68.69
DISCCART	610760.00	4199740.00	46.94	68.69
DISCCART	610760.00	4199760.00	45.50	68.69
DISCCART	610760.00	4199780.00	43.82	68.69
DISCCART	610760.00	4199800.00	41.80	68.69
DISCCART	610760.00	4199820.00	40.30	68.69
DISCCART	610760.00	4199840.00	39.82	68.69

Modeled Receptors

DISCCART	610760.00	4199860.00	39.46	68.69
DISCCART	610760.00	4199880.00	38.72	68.69
DISCCART	610760.00	4199900.00	38.45	68.69
DISCCART	610760.00	4199920.00	38.45	61.86
DISCCART	610760.00	4199940.00	38.51	38.51
DISCCART	610760.00	4199960.00	38.51	38.51
DISCCART	610760.00	4199980.00	38.57	38.57
DISCCART	610760.00	4200000.00	38.57	38.57
DISCCART	610760.00	4200020.00	38.67	38.67
DISCCART	610760.00	4200040.00	38.70	38.70
DISCCART	610760.00	4200060.00	38.77	38.77
DISCCART	610760.00	4200080.00	38.88	38.88
DISCCART	610760.00	4200100.00	39.00	39.00
DISCCART	610760.00	4200120.00	39.10	39.10
DISCCART	610760.00	4200140.00	39.18	39.18
DISCCART	610760.00	4200160.00	39.25	39.25
DISCCART	610760.00	4200180.00	39.27	39.27
DISCCART	610760.00	4200200.00	39.27	39.27
DISCCART	610760.00	4200220.00	39.27	39.27
DISCCART	610760.00	4200240.00	39.32	39.32
DISCCART	610760.00	4200260.00	39.37	39.37
DISCCART	610760.00	4200280.00	39.37	39.37
DISCCART	610760.00	4200300.00	39.37	39.37
DISCCART	610760.00	4200320.00	39.42	39.42

Modeled Receptors

DISCCART	610760.00	4200340.00	39.47	39.47
DISCCART	610760.00	4200360.00	39.47	39.47
DISCCART	610760.00	4200380.00	39.50	39.50
DISCCART	610780.00	4199700.00	46.26	68.69
DISCCART	610780.00	4199720.00	45.02	68.69
DISCCART	610780.00	4199740.00	43.71	68.69
DISCCART	610780.00	4199760.00	41.89	68.69
DISCCART	610780.00	4199780.00	40.48	68.69
DISCCART	610780.00	4199800.00	39.81	68.69
DISCCART	610780.00	4199820.00	39.31	68.69
DISCCART	610780.00	4199840.00	38.76	68.69
DISCCART	610780.00	4199860.00	38.33	68.69
DISCCART	610780.00	4199880.00	37.97	68.69
DISCCART	610780.00	4199900.00	37.77	68.69
DISCCART	610780.00	4199920.00	37.81	59.44
DISCCART	610780.00	4199940.00	37.99	37.99
DISCCART	610780.00	4199960.00	38.15	38.15
DISCCART	610780.00	4199980.00	38.34	38.34
DISCCART	610780.00	4200000.00	38.45	38.45
DISCCART	610780.00	4200020.00	38.53	38.53
DISCCART	610780.00	4200040.00	38.60	38.60
DISCCART	610780.00	4200060.00	38.67	38.67
DISCCART	610780.00	4200080.00	38.75	38.75
DISCCART	610780.00	4200100.00	38.85	38.85

Modeled Receptors

```
DISCCART    610780.00  4200120.00    38.91    38.91
DISCCART    610780.00  4200140.00    39.01    39.01
DISCCART    610780.00  4200160.00    39.07    39.07
DISCCART    610780.00  4200180.00    39.07    39.07
DISCCART    610780.00  4200200.00    39.14    39.14
DISCCART    610780.00  4200220.00    39.15    39.15
DISCCART    610780.00  4200240.00    39.17    39.17
DISCCART    610780.00  4200260.00    39.17    39.17
DISCCART    610780.00  4200280.00    39.17    39.17
DISCCART    610780.00  4200300.00    39.17    39.17
DISCCART    610780.00  4200320.00    39.25    39.25
DISCCART    610780.00  4200340.00    39.27    39.27
DISCCART    610780.00  4200360.00    39.27    39.27
DISCCART    610800.00  4199720.00    41.72    68.69
DISCCART    610800.00  4199740.00    40.39    68.69
DISCCART    610800.00  4199760.00    39.65    68.69
DISCCART    610800.00  4199780.00    39.09    68.69
DISCCART    610800.00  4199800.00    38.60    68.69
DISCCART    610800.00  4199820.00    38.06    68.69
DISCCART    610800.00  4199840.00    37.65    68.69
DISCCART    610800.00  4199860.00    37.37    68.69
DISCCART    610800.00  4199880.00    37.26    68.69
DISCCART    610800.00  4199900.00    37.27    68.53
DISCCART    610800.00  4199920.00    37.31    55.62
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Modeled Receptors

```
DISCCART    610800.00  4199940.00    37.54    37.54
DISCCART    610800.00  4199960.00    37.75    37.75
DISCCART    610800.00  4199980.00    37.95    37.95
DISCCART    610800.00  4200000.00    38.15    38.15
DISCCART    610800.00  4200020.00    38.34    38.34
DISCCART    610800.00  4200040.00    38.45    38.45
DISCCART    610800.00  4200060.00    38.53    38.53
DISCCART    610800.00  4200080.00    38.59    38.59
DISCCART    610800.00  4200100.00    38.69    38.69
DISCCART    610800.00  4200120.00    38.78    38.78
DISCCART    610800.00  4200140.00    38.88    38.88
DISCCART    610800.00  4200160.00    38.89    38.89
DISCCART    610800.00  4200180.00    38.98    38.98
DISCCART    610800.00  4200200.00    38.97    38.97
DISCCART    610800.00  4200220.00    38.97    38.97
DISCCART    610800.00  4200240.00    38.97    38.97
DISCCART    610800.00  4200260.00    38.97    38.97
DISCCART    610800.00  4200280.00    38.97    38.97
DISCCART    610800.00  4200300.00    39.00    39.00
DISCCART    610800.00  4200320.00    39.07    39.07
DISCCART    610820.00  4199740.00    38.78    68.69
DISCCART    610820.00  4199760.00    38.17    68.69
DISCCART    610820.00  4199780.00    37.68    68.69
DISCCART    610820.00  4199800.00    37.34    68.69
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Modeled Receptors

```
DISCCART    610820.00  4199820.00    37.22    68.69
DISCCART    610820.00  4199840.00    37.16    68.69
DISCCART    610820.00  4199860.00    37.18    68.69
DISCCART    610820.00  4199880.00    37.18    68.69
DISCCART    610820.00  4199900.00    37.17    57.04
DISCCART    610820.00  4199920.00    37.25    37.25
DISCCART    610820.00  4199940.00    37.34    37.34
DISCCART    610820.00  4199960.00    37.48    37.48
DISCCART    610820.00  4199980.00    37.68    37.68
DISCCART    610820.00  4200000.00    37.94    37.94
DISCCART    610820.00  4200020.00    38.22    38.22
DISCCART    610820.00  4200040.00    38.32    38.32
DISCCART    610820.00  4200060.00    38.45    38.45
DISCCART    610820.00  4200080.00    38.55    38.55
DISCCART    610820.00  4200100.00    38.64    38.64
DISCCART    610820.00  4200120.00    38.68    38.68
DISCCART    610820.00  4200140.00    38.73    38.73
DISCCART    610820.00  4200160.00    38.77    38.77
DISCCART    610820.00  4200180.00    38.77    38.77
DISCCART    610820.00  4200200.00    38.77    38.77
DISCCART    610820.00  4200220.00    38.77    38.77
DISCCART    610820.00  4200240.00    38.77    38.77
DISCCART    610820.00  4200260.00    38.77    38.77
DISCCART    610820.00  4200280.00    38.80    38.80
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Modeled Receptors

```
DISCCART    610840.00  4199780.00    37.16    68.69
DISCCART    610840.00  4199800.00    37.16    68.69
DISCCART    610840.00  4199820.00    37.08    68.69
DISCCART    610840.00  4199840.00    37.05    68.69
DISCCART    610840.00  4199860.00    37.03    68.69
DISCCART    610840.00  4199880.00    37.05    68.53
DISCCART    610840.00  4199900.00    37.10    37.10
DISCCART    610840.00  4199920.00    37.17    37.17
DISCCART    610840.00  4199940.00    37.23    37.23
DISCCART    610840.00  4199960.00    37.29    37.29
DISCCART    610840.00  4199980.00    37.49    37.49
DISCCART    610840.00  4200000.00    37.74    37.74
DISCCART    610840.00  4200020.00    38.04    38.04
DISCCART    610840.00  4200040.00    38.26    38.26
DISCCART    610840.00  4200060.00    38.35    38.35
DISCCART    610840.00  4200080.00    38.45    38.45
DISCCART    610840.00  4200100.00    38.49    38.49
DISCCART    610840.00  4200120.00    38.58    38.58
DISCCART    610840.00  4200140.00    38.57    38.57
DISCCART    610840.00  4200160.00    38.64    38.64
DISCCART    610840.00  4200180.00    38.63    38.63
DISCCART    610840.00  4200200.00    38.63    38.63
DISCCART    610840.00  4200220.00    38.63    38.63
DISCCART    610840.00  4200240.00    38.65    38.65
```

Modeled Receptors

```
DISCCART    610860.00  4199820.00     36.97     68.69
DISCCART    610860.00  4199840.00     36.93     68.69
DISCCART    610860.00  4199860.00     36.93     68.69
DISCCART    610860.00  4199880.00     37.00     37.00
DISCCART    610860.00  4199900.00     37.05     37.05
DISCCART    610860.00  4199920.00     37.15     37.15
DISCCART    610860.00  4199940.00     37.23     37.23
DISCCART    610860.00  4199960.00     37.31     37.31
DISCCART    610860.00  4199980.00     37.44     37.44
DISCCART    610860.00  4200000.00     37.67     37.67
DISCCART    610860.00  4200020.00     37.98     37.98
DISCCART    610860.00  4200040.00     38.11     38.11
DISCCART    610860.00  4200060.00     38.25     38.25
DISCCART    610860.00  4200080.00     38.35     38.35
DISCCART    610860.00  4200100.00     38.40     38.40
DISCCART    610860.00  4200120.00     38.43     38.43
DISCCART    610860.00  4200140.00     38.48     38.48
DISCCART    610860.00  4200160.00     38.47     38.47
DISCCART    610860.00  4200180.00     38.47     38.47
DISCCART    610860.00  4200200.00     38.47     38.47
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Modeled Onsite Sources

```
SO LOCATION  ON_0001  VOLUME  609760.00  4200600.00  46.42
SO LOCATION  ON_0002  VOLUME  609760.00  4200620.00  46.30
SO LOCATION  ON_0003  VOLUME  609760.00  4200640.00  46.24
SO LOCATION  ON_0004  VOLUME  609760.00  4200660.00  46.26
SO LOCATION  ON_0005  VOLUME  609780.00  4199860.00  74.07
SO LOCATION  ON_0006  VOLUME  609780.00  4199880.00  71.43
SO LOCATION  ON_0007  VOLUME  609780.00  4199900.00  68.79
SO LOCATION  ON_0008  VOLUME  609780.00  4199920.00  66.03
SO LOCATION  ON_0009  VOLUME  609780.00  4199940.00  62.92
SO LOCATION  ON_0010  VOLUME  609780.00  4199960.00  60.91
SO LOCATION  ON_0011  VOLUME  609780.00  4199980.00  60.57
SO LOCATION  ON_0012  VOLUME  609780.00  4200000.00  60.65
SO LOCATION  ON_0013  VOLUME  609780.00  4200020.00  61.89
SO LOCATION  ON_0014  VOLUME  609780.00  4200040.00  63.82
SO LOCATION  ON_0015  VOLUME  609780.00  4200060.00  65.60
SO LOCATION  ON_0016  VOLUME  609780.00  4200080.00  67.10
SO LOCATION  ON_0017  VOLUME  609780.00  4200100.00  67.77
SO LOCATION  ON_0018  VOLUME  609780.00  4200120.00  67.64
SO LOCATION  ON_0019  VOLUME  609780.00  4200140.00  67.28
SO LOCATION  ON_0020  VOLUME  609780.00  4200160.00  66.42
SO LOCATION  ON_0021  VOLUME  609780.00  4200180.00  65.11
SO LOCATION  ON_0022  VOLUME  609780.00  4200200.00  63.36
SO LOCATION  ON_0023  VOLUME  609780.00  4200220.00  61.34
SO LOCATION  ON_0024  VOLUME  609780.00  4200240.00  59.28
```

Modeled Onsite Sources

```
SO LOCATION  ON_0025  VOLUME  609780.00  4200260.00  56.82
SO LOCATION  ON_0026  VOLUME  609780.00  4200280.00  53.93
SO LOCATION  ON_0027  VOLUME  609780.00  4200300.00  51.66
SO LOCATION  ON_0028  VOLUME  609780.00  4200320.00  49.87
SO LOCATION  ON_0029  VOLUME  609780.00  4200340.00  49.13
SO LOCATION  ON_0030  VOLUME  609780.00  4200360.00  49.27
SO LOCATION  ON_0031  VOLUME  609780.00  4200380.00  49.43
SO LOCATION  ON_0032  VOLUME  609780.00  4200400.00  49.53
SO LOCATION  ON_0033  VOLUME  609780.00  4200420.00  49.16
SO LOCATION  ON_0034  VOLUME  609780.00  4200440.00  48.72
SO LOCATION  ON_0035  VOLUME  609780.00  4200460.00  47.77
SO LOCATION  ON_0036  VOLUME  609780.00  4200480.00  46.53
SO LOCATION  ON_0037  VOLUME  609780.00  4200500.00  45.85
SO LOCATION  ON_0038  VOLUME  609780.00  4200520.00  45.22
SO LOCATION  ON_0039  VOLUME  609780.00  4200540.00  45.07
SO LOCATION  ON_0040  VOLUME  609780.00  4200560.00  45.41
SO LOCATION  ON_0041  VOLUME  609780.00  4200580.00  46.35
SO LOCATION  ON_0042  VOLUME  609780.00  4200600.00  46.56
SO LOCATION  ON_0043  VOLUME  609780.00  4200620.00  46.28
SO LOCATION  ON_0044  VOLUME  609780.00  4200640.00  46.16
SO LOCATION  ON_0045  VOLUME  609780.00  4200660.00  46.23
SO LOCATION  ON_0046  VOLUME  609800.00  4199860.00  72.58
SO LOCATION  ON_0047  VOLUME  609800.00  4199880.00  70.31
SO LOCATION  ON_0048  VOLUME  609800.00  4199900.00  68.19
```

Modeled Onsite Sources

```
SO LOCATION  ON_0049  VOLUME  609800.00  4199920.00  65.54
SO LOCATION  ON_0050  VOLUME  609800.00  4199940.00  62.65
SO LOCATION  ON_0051  VOLUME  609800.00  4199960.00  60.36
SO LOCATION  ON_0052  VOLUME  609800.00  4199980.00  58.32
SO LOCATION  ON_0053  VOLUME  609800.00  4200000.00  57.59
SO LOCATION  ON_0054  VOLUME  609800.00  4200020.00  58.55
SO LOCATION  ON_0055  VOLUME  609800.00  4200040.00  60.38
SO LOCATION  ON_0056  VOLUME  609800.00  4200060.00  62.10
SO LOCATION  ON_0057  VOLUME  609800.00  4200080.00  63.42
SO LOCATION  ON_0058  VOLUME  609800.00  4200100.00  63.97
SO LOCATION  ON_0059  VOLUME  609800.00  4200120.00  64.14
SO LOCATION  ON_0060  VOLUME  609800.00  4200140.00  63.90
SO LOCATION  ON_0061  VOLUME  609800.00  4200160.00  63.27
SO LOCATION  ON_0062  VOLUME  609800.00  4200180.00  62.05
SO LOCATION  ON_0063  VOLUME  609800.00  4200200.00  60.13
SO LOCATION  ON_0064  VOLUME  609800.00  4200220.00  58.13
SO LOCATION  ON_0065  VOLUME  609800.00  4200240.00  56.20
SO LOCATION  ON_0066  VOLUME  609800.00  4200260.00  54.14
SO LOCATION  ON_0067  VOLUME  609800.00  4200280.00  51.89
SO LOCATION  ON_0068  VOLUME  609800.00  4200300.00  50.04
SO LOCATION  ON_0069  VOLUME  609800.00  4200320.00  49.07
SO LOCATION  ON_0070  VOLUME  609800.00  4200340.00  48.83
SO LOCATION  ON_0071  VOLUME  609800.00  4200360.00  48.89
SO LOCATION  ON_0072  VOLUME  609800.00  4200380.00  48.87
```

Modeled Onsite Sources

SO LOCATION ON_0073 VOLUME 609800.00 4200400.00 48.55

SO LOCATION ON_0074 VOLUME 609800.00 4200420.00 48.21

SO LOCATION ON_0075 VOLUME 609800.00 4200440.00 47.97

SO LOCATION ON_0076 VOLUME 609800.00 4200460.00 47.65

SO LOCATION ON_0077 VOLUME 609800.00 4200480.00 46.94

SO LOCATION ON_0078 VOLUME 609800.00 4200500.00 46.29

SO LOCATION ON_0079 VOLUME 609800.00 4200520.00 45.43

SO LOCATION ON_0080 VOLUME 609800.00 4200540.00 44.47

SO LOCATION ON_0081 VOLUME 609800.00 4200560.00 44.95

SO LOCATION ON_0082 VOLUME 609800.00 4200580.00 46.67

SO LOCATION ON_0083 VOLUME 609800.00 4200600.00 46.68

SO LOCATION ON_0084 VOLUME 609800.00 4200620.00 46.39

SO LOCATION ON_0085 VOLUME 609800.00 4200640.00 46.21

SO LOCATION ON_0086 VOLUME 609800.00 4200660.00 46.37

SO LOCATION ON_0087 VOLUME 609820.00 4199860.00 70.11

SO LOCATION ON_0088 VOLUME 609820.00 4199880.00 68.70

SO LOCATION ON_0089 VOLUME 609820.00 4199900.00 66.52

SO LOCATION ON_0090 VOLUME 609820.00 4199920.00 64.02

SO LOCATION ON_0091 VOLUME 609820.00 4199940.00 61.44

SO LOCATION ON_0092 VOLUME 609820.00 4199960.00 59.21

SO LOCATION ON_0093 VOLUME 609820.00 4199980.00 57.00

SO LOCATION ON_0094 VOLUME 609820.00 4200000.00 55.80

SO LOCATION ON_0095 VOLUME 609820.00 4200020.00 55.81

SO LOCATION ON_0096 VOLUME 609820.00 4200040.00 56.86

Modeled Onsite Sources

SO LOCATION ON_0097 VOLUME 609820.00 4200060.00 58.41

SO LOCATION ON_0098 VOLUME 609820.00 4200080.00 59.57

SO LOCATION ON_0099 VOLUME 609820.00 4200100.00 60.29

SO LOCATION ON_0100 VOLUME 609820.00 4200120.00 60.52

SO LOCATION ON_0101 VOLUME 609820.00 4200140.00 60.36

SO LOCATION ON_0102 VOLUME 609820.00 4200160.00 59.74

SO LOCATION ON_0103 VOLUME 609820.00 4200180.00 58.71

SO LOCATION ON_0104 VOLUME 609820.00 4200200.00 57.19

SO LOCATION ON_0105 VOLUME 609820.00 4200220.00 54.90

SO LOCATION ON_0106 VOLUME 609820.00 4200240.00 52.78

SO LOCATION ON_0107 VOLUME 609820.00 4200260.00 50.94

SO LOCATION ON_0108 VOLUME 609820.00 4200280.00 49.74

SO LOCATION ON_0109 VOLUME 609820.00 4200300.00 49.07

SO LOCATION ON_0110 VOLUME 609820.00 4200320.00 48.53

SO LOCATION ON_0111 VOLUME 609820.00 4200340.00 48.29

SO LOCATION ON_0112 VOLUME 609820.00 4200360.00 48.22

SO LOCATION ON_0113 VOLUME 609820.00 4200380.00 49.05

SO LOCATION ON_0114 VOLUME 609820.00 4200400.00 49.35

SO LOCATION ON_0115 VOLUME 609820.00 4200420.00 47.94

SO LOCATION ON_0116 VOLUME 609820.00 4200440.00 48.30

SO LOCATION ON_0117 VOLUME 609820.00 4200460.00 48.15

SO LOCATION ON_0118 VOLUME 609820.00 4200480.00 47.31

SO LOCATION ON_0119 VOLUME 609820.00 4200500.00 46.06

SO LOCATION ON_0120 VOLUME 609820.00 4200520.00 45.44

Modeled Onsite Sources

SO LOCATION ON_0121 VOLUME 609820.00 4200540.00 43.80

SO LOCATION ON_0122 VOLUME 609820.00 4200560.00 44.60

SO LOCATION ON_0123 VOLUME 609820.00 4200580.00 47.54

SO LOCATION ON_0124 VOLUME 609820.00 4200600.00 46.79

SO LOCATION ON_0125 VOLUME 609820.00 4200620.00 46.56

SO LOCATION ON_0126 VOLUME 609820.00 4200640.00 46.48

SO LOCATION ON_0127 VOLUME 609820.00 4200660.00 46.56

SO LOCATION ON_0128 VOLUME 609840.00 4199860.00 67.48

SO LOCATION ON_0129 VOLUME 609840.00 4199880.00 66.17

SO LOCATION ON_0130 VOLUME 609840.00 4199900.00 64.18

SO LOCATION ON_0131 VOLUME 609840.00 4199920.00 62.28

SO LOCATION ON_0132 VOLUME 609840.00 4199940.00 60.02

SO LOCATION ON_0133 VOLUME 609840.00 4199960.00 57.62

SO LOCATION ON_0134 VOLUME 609840.00 4199980.00 55.78

SO LOCATION ON_0135 VOLUME 609840.00 4200000.00 54.69

SO LOCATION ON_0136 VOLUME 609840.00 4200020.00 54.27

SO LOCATION ON_0137 VOLUME 609840.00 4200040.00 54.70

SO LOCATION ON_0138 VOLUME 609840.00 4200060.00 55.25

SO LOCATION ON_0139 VOLUME 609840.00 4200080.00 56.03

SO LOCATION ON_0140 VOLUME 609840.00 4200100.00 56.63

SO LOCATION ON_0141 VOLUME 609840.00 4200120.00 56.82

SO LOCATION ON_0142 VOLUME 609840.00 4200140.00 56.71

SO LOCATION ON_0143 VOLUME 609840.00 4200160.00 56.30

SO LOCATION ON_0144 VOLUME 609840.00 4200180.00 55.32

Modeled Onsite Sources

SO LOCATION ON_0145 VOLUME 609840.00 4200200.00 53.77

SO LOCATION ON_0146 VOLUME 609840.00 4200220.00 51.45

SO LOCATION ON_0147 VOLUME 609840.00 4200240.00 49.70

SO LOCATION ON_0148 VOLUME 609840.00 4200260.00 48.87

SO LOCATION ON_0149 VOLUME 609840.00 4200280.00 48.30

SO LOCATION ON_0150 VOLUME 609840.00 4200300.00 47.82

SO LOCATION ON_0151 VOLUME 609840.00 4200320.00 47.96

SO LOCATION ON_0152 VOLUME 609840.00 4200340.00 48.43

SO LOCATION ON_0153 VOLUME 609840.00 4200360.00 49.27

SO LOCATION ON_0154 VOLUME 609840.00 4200380.00 49.87

SO LOCATION ON_0155 VOLUME 609840.00 4200400.00 50.41

SO LOCATION ON_0156 VOLUME 609840.00 4200420.00 51.02

SO LOCATION ON_0157 VOLUME 609840.00 4200440.00 50.70

SO LOCATION ON_0158 VOLUME 609840.00 4200460.00 49.77

SO LOCATION ON_0159 VOLUME 609840.00 4200480.00 47.99

SO LOCATION ON_0160 VOLUME 609840.00 4200500.00 45.19

SO LOCATION ON_0161 VOLUME 609840.00 4200520.00 43.15

SO LOCATION ON_0162 VOLUME 609840.00 4200540.00 43.15

SO LOCATION ON_0163 VOLUME 609840.00 4200560.00 45.34

SO LOCATION ON_0164 VOLUME 609840.00 4200580.00 46.30

SO LOCATION ON_0165 VOLUME 609840.00 4200600.00 46.95

SO LOCATION ON_0166 VOLUME 609840.00 4200620.00 46.89

SO LOCATION ON_0167 VOLUME 609840.00 4200640.00 46.85

SO LOCATION ON_0168 VOLUME 609840.00 4200660.00 46.85

Modeled Onsite Sources

```
SO LOCATION  ON_0169  VOLUME  609860.00  4199880.00  63.19
SO LOCATION  ON_0170  VOLUME  609860.00  4199900.00  61.63
SO LOCATION  ON_0171  VOLUME  609860.00  4199920.00  60.60
SO LOCATION  ON_0172  VOLUME  609860.00  4199940.00  58.21
SO LOCATION  ON_0173  VOLUME  609860.00  4199960.00  55.95
SO LOCATION  ON_0174  VOLUME  609860.00  4199980.00  54.58
SO LOCATION  ON_0175  VOLUME  609860.00  4200000.00  53.48
SO LOCATION  ON_0176  VOLUME  609860.00  4200020.00  52.67
SO LOCATION  ON_0177  VOLUME  609860.00  4200040.00  52.51
SO LOCATION  ON_0178  VOLUME  609860.00  4200060.00  52.86
SO LOCATION  ON_0179  VOLUME  609860.00  4200080.00  53.34
SO LOCATION  ON_0180  VOLUME  609860.00  4200100.00  53.73
SO LOCATION  ON_0181  VOLUME  609860.00  4200120.00  53.78
SO LOCATION  ON_0182  VOLUME  609860.00  4200140.00  53.48
SO LOCATION  ON_0183  VOLUME  609860.00  4200160.00  52.82
SO LOCATION  ON_0184  VOLUME  609860.00  4200180.00  51.71
SO LOCATION  ON_0185  VOLUME  609860.00  4200200.00  50.19
SO LOCATION  ON_0186  VOLUME  609860.00  4200220.00  48.92
SO LOCATION  ON_0187  VOLUME  609860.00  4200240.00  47.88
SO LOCATION  ON_0188  VOLUME  609860.00  4200260.00  47.38
SO LOCATION  ON_0189  VOLUME  609860.00  4200280.00  47.73
SO LOCATION  ON_0190  VOLUME  609860.00  4200300.00  48.50
SO LOCATION  ON_0191  VOLUME  609860.00  4200320.00  49.31
SO LOCATION  ON_0192  VOLUME  609860.00  4200340.00  50.29
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Modeled Onsite Sources

```
SO LOCATION  ON_0193  VOLUME  609860.00  4200360.00  51.63
SO LOCATION  ON_0194  VOLUME  609860.00  4200380.00  53.38
SO LOCATION  ON_0195  VOLUME  609860.00  4200400.00  54.65
SO LOCATION  ON_0196  VOLUME  609860.00  4200420.00  55.14
SO LOCATION  ON_0197  VOLUME  609860.00  4200440.00  54.54
SO LOCATION  ON_0198  VOLUME  609860.00  4200460.00  50.73
SO LOCATION  ON_0199  VOLUME  609860.00  4200480.00  47.84
SO LOCATION  ON_0200  VOLUME  609860.00  4200500.00  44.73
SO LOCATION  ON_0201  VOLUME  609860.00  4200520.00  42.60
SO LOCATION  ON_0202  VOLUME  609860.00  4200540.00  44.49
SO LOCATION  ON_0203  VOLUME  609860.00  4200560.00  45.72
SO LOCATION  ON_0204  VOLUME  609860.00  4200580.00  46.44
SO LOCATION  ON_0205  VOLUME  609860.00  4200600.00  46.69
SO LOCATION  ON_0206  VOLUME  609860.00  4200620.00  46.76
SO LOCATION  ON_0207  VOLUME  609860.00  4200640.00  46.85
SO LOCATION  ON_0208  VOLUME  609860.00  4200660.00  46.93
SO LOCATION  ON_0209  VOLUME  609880.00  4199880.00  62.10
SO LOCATION  ON_0210  VOLUME  609880.00  4199900.00  60.47
SO LOCATION  ON_0211  VOLUME  609880.00  4199920.00  59.10
SO LOCATION  ON_0212  VOLUME  609880.00  4199940.00  56.98
SO LOCATION  ON_0213  VOLUME  609880.00  4199960.00  55.03
SO LOCATION  ON_0214  VOLUME  609880.00  4199980.00  53.62
SO LOCATION  ON_0215  VOLUME  609880.00  4200000.00  51.95
SO LOCATION  ON_0216  VOLUME  609880.00  4200020.00  50.60
```

Modeled Onsite Sources

```
SO LOCATION  ON_0217  VOLUME  609880.00  4200040.00  50.35
SO LOCATION  ON_0218  VOLUME  609880.00  4200060.00  50.60
SO LOCATION  ON_0219  VOLUME  609880.00  4200080.00  50.93
SO LOCATION  ON_0220  VOLUME  609880.00  4200100.00  51.12
SO LOCATION  ON_0221  VOLUME  609880.00  4200120.00  51.08
SO LOCATION  ON_0222  VOLUME  609880.00  4200140.00  50.55
SO LOCATION  ON_0223  VOLUME  609880.00  4200160.00  49.89
SO LOCATION  ON_0224  VOLUME  609880.00  4200180.00  49.11
SO LOCATION  ON_0225  VOLUME  609880.00  4200200.00  48.35
SO LOCATION  ON_0226  VOLUME  609880.00  4200220.00  47.36
SO LOCATION  ON_0227  VOLUME  609880.00  4200240.00  47.52
SO LOCATION  ON_0228  VOLUME  609880.00  4200260.00  48.43
SO LOCATION  ON_0229  VOLUME  609880.00  4200280.00  49.14
SO LOCATION  ON_0230  VOLUME  609880.00  4200300.00  50.25
SO LOCATION  ON_0231  VOLUME  609880.00  4200320.00  52.02
SO LOCATION  ON_0232  VOLUME  609880.00  4200340.00  54.01
SO LOCATION  ON_0233  VOLUME  609880.00  4200360.00  55.68
SO LOCATION  ON_0234  VOLUME  609880.00  4200380.00  56.70
SO LOCATION  ON_0235  VOLUME  609880.00  4200400.00  57.07
SO LOCATION  ON_0236  VOLUME  609880.00  4200420.00  56.68
SO LOCATION  ON_0237  VOLUME  609880.00  4200440.00  55.08
SO LOCATION  ON_0238  VOLUME  609880.00  4200460.00  51.16
SO LOCATION  ON_0239  VOLUME  609880.00  4200480.00  47.88
SO LOCATION  ON_0240  VOLUME  609880.00  4200500.00  44.69
```

Modeled Onsite Sources

```
SO LOCATION  ON_0241  VOLUME  609880.00  4200520.00  42.23
SO LOCATION  ON_0242  VOLUME  609880.00  4200540.00  45.01
SO LOCATION  ON_0243  VOLUME  609880.00  4200560.00  46.63
SO LOCATION  ON_0244  VOLUME  609880.00  4200580.00  46.37
SO LOCATION  ON_0245  VOLUME  609880.00  4200600.00  46.49
SO LOCATION  ON_0246  VOLUME  609880.00  4200620.00  46.52
SO LOCATION  ON_0247  VOLUME  609880.00  4200640.00  46.65
SO LOCATION  ON_0248  VOLUME  609880.00  4200660.00  46.63
SO LOCATION  ON_0249  VOLUME  609900.00  4199880.00  62.30
SO LOCATION  ON_0250  VOLUME  609900.00  4199900.00  60.13
SO LOCATION  ON_0251  VOLUME  609900.00  4199920.00  58.36
SO LOCATION  ON_0252  VOLUME  609900.00  4199940.00  56.88
SO LOCATION  ON_0253  VOLUME  609900.00  4199960.00  55.08
SO LOCATION  ON_0254  VOLUME  609900.00  4199980.00  52.62
SO LOCATION  ON_0255  VOLUME  609900.00  4200000.00  50.77
SO LOCATION  ON_0256  VOLUME  609900.00  4200020.00  49.36
SO LOCATION  ON_0257  VOLUME  609900.00  4200040.00  48.89
SO LOCATION  ON_0258  VOLUME  609900.00  4200060.00  48.98
SO LOCATION  ON_0259  VOLUME  609900.00  4200080.00  49.08
SO LOCATION  ON_0260  VOLUME  609900.00  4200100.00  49.20
SO LOCATION  ON_0261  VOLUME  609900.00  4200120.00  49.10
SO LOCATION  ON_0262  VOLUME  609900.00  4200140.00  48.83
SO LOCATION  ON_0263  VOLUME  609900.00  4200160.00  48.32
SO LOCATION  ON_0264  VOLUME  609900.00  4200180.00  47.68
```

Modeled Onsite Sources

SO LOCATION ON_0265 VOLUME 609900.00 4200200.00 47.11

SO LOCATION ON_0266 VOLUME 609900.00 4200220.00 47.82

SO LOCATION ON_0267 VOLUME 609900.00 4200240.00 48.80

SO LOCATION ON_0268 VOLUME 609900.00 4200260.00 49.84

SO LOCATION ON_0269 VOLUME 609900.00 4200280.00 51.52

SO LOCATION ON_0270 VOLUME 609900.00 4200300.00 53.40

SO LOCATION ON_0271 VOLUME 609900.00 4200320.00 55.41

SO LOCATION ON_0272 VOLUME 609900.00 4200340.00 56.73

SO LOCATION ON_0273 VOLUME 609900.00 4200360.00 57.81

SO LOCATION ON_0274 VOLUME 609900.00 4200380.00 58.10

SO LOCATION ON_0275 VOLUME 609900.00 4200400.00 57.36

SO LOCATION ON_0276 VOLUME 609900.00 4200420.00 56.19

SO LOCATION ON_0277 VOLUME 609900.00 4200440.00 53.88

SO LOCATION ON_0278 VOLUME 609900.00 4200460.00 50.42

SO LOCATION ON_0279 VOLUME 609900.00 4200480.00 47.70

SO LOCATION ON_0280 VOLUME 609900.00 4200500.00 44.96

SO LOCATION ON_0281 VOLUME 609900.00 4200520.00 42.75

SO LOCATION ON_0282 VOLUME 609900.00 4200540.00 44.58

SO LOCATION ON_0283 VOLUME 609900.00 4200560.00 46.98

SO LOCATION ON_0284 VOLUME 609900.00 4200580.00 46.46

SO LOCATION ON_0285 VOLUME 609900.00 4200600.00 46.10

SO LOCATION ON_0286 VOLUME 609900.00 4200620.00 46.20

SO LOCATION ON_0287 VOLUME 609900.00 4200640.00 46.24

SO LOCATION ON_0288 VOLUME 609900.00 4200660.00 46.35

Modeled Onsite Sources

SO LOCATION ON_0289 VOLUME 609920.00 4199880.00 61.81

SO LOCATION ON_0290 VOLUME 609920.00 4199900.00 59.59

SO LOCATION ON_0291 VOLUME 609920.00 4199920.00 57.52

SO LOCATION ON_0292 VOLUME 609920.00 4199940.00 56.25

SO LOCATION ON_0293 VOLUME 609920.00 4199960.00 54.21

SO LOCATION ON_0294 VOLUME 609920.00 4199980.00 51.50

SO LOCATION ON_0295 VOLUME 609920.00 4200000.00 49.86

SO LOCATION ON_0296 VOLUME 609920.00 4200020.00 48.94

SO LOCATION ON_0297 VOLUME 609920.00 4200040.00 48.01

SO LOCATION ON_0298 VOLUME 609920.00 4200060.00 47.86

SO LOCATION ON_0299 VOLUME 609920.00 4200080.00 47.90

SO LOCATION ON_0300 VOLUME 609920.00 4200100.00 47.93

SO LOCATION ON_0301 VOLUME 609920.00 4200120.00 47.81

SO LOCATION ON_0302 VOLUME 609920.00 4200140.00 47.52

SO LOCATION ON_0303 VOLUME 609920.00 4200160.00 47.12

SO LOCATION ON_0304 VOLUME 609920.00 4200180.00 47.12

SO LOCATION ON_0305 VOLUME 609920.00 4200200.00 47.84

SO LOCATION ON_0306 VOLUME 609920.00 4200220.00 48.88

SO LOCATION ON_0307 VOLUME 609920.00 4200240.00 50.37

SO LOCATION ON_0308 VOLUME 609920.00 4200260.00 52.29

SO LOCATION ON_0309 VOLUME 609920.00 4200280.00 54.31

SO LOCATION ON_0310 VOLUME 609920.00 4200300.00 56.14

SO LOCATION ON_0311 VOLUME 609920.00 4200320.00 57.47

SO LOCATION ON_0312 VOLUME 609920.00 4200340.00 58.61

Modeled Onsite Sources

SO LOCATION ON_0313 VOLUME 609920.00 4200360.00 59.18

SO LOCATION ON_0314 VOLUME 609920.00 4200380.00 58.10

SO LOCATION ON_0315 VOLUME 609920.00 4200400.00 56.67

SO LOCATION ON_0316 VOLUME 609920.00 4200420.00 54.78

SO LOCATION ON_0317 VOLUME 609920.00 4200440.00 52.06

SO LOCATION ON_0318 VOLUME 609920.00 4200460.00 49.42

SO LOCATION ON_0319 VOLUME 609920.00 4200480.00 47.35

SO LOCATION ON_0320 VOLUME 609920.00 4200500.00 45.13

SO LOCATION ON_0321 VOLUME 609920.00 4200520.00 42.98

SO LOCATION ON_0322 VOLUME 609920.00 4200540.00 43.49

SO LOCATION ON_0323 VOLUME 609920.00 4200560.00 46.21

SO LOCATION ON_0324 VOLUME 609920.00 4200580.00 46.22

SO LOCATION ON_0325 VOLUME 609920.00 4200600.00 45.93

SO LOCATION ON_0326 VOLUME 609920.00 4200620.00 45.89

SO LOCATION ON_0327 VOLUME 609920.00 4200640.00 45.99

SO LOCATION ON_0328 VOLUME 609920.00 4200660.00 46.03

SO LOCATION ON_0329 VOLUME 609940.00 4199880.00 60.36

SO LOCATION ON_0330 VOLUME 609940.00 4199900.00 58.07

SO LOCATION ON_0331 VOLUME 609940.00 4199920.00 56.52

SO LOCATION ON_0332 VOLUME 609940.00 4199940.00 54.53

SO LOCATION ON_0333 VOLUME 609940.00 4199960.00 51.52

SO LOCATION ON_0334 VOLUME 609940.00 4199980.00 49.59

SO LOCATION ON_0335 VOLUME 609940.00 4200000.00 48.86

SO LOCATION ON_0336 VOLUME 609940.00 4200020.00 48.12

Modeled Onsite Sources

SO LOCATION ON_0337 VOLUME 609940.00 4200040.00 47.48

SO LOCATION ON_0338 VOLUME 609940.00 4200060.00 47.44

SO LOCATION ON_0339 VOLUME 609940.00 4200080.00 47.46

SO LOCATION ON_0340 VOLUME 609940.00 4200100.00 47.76

SO LOCATION ON_0341 VOLUME 609940.00 4200120.00 48.05

SO LOCATION ON_0342 VOLUME 609940.00 4200140.00 48.14

SO LOCATION ON_0343 VOLUME 609940.00 4200160.00 48.19

SO LOCATION ON_0344 VOLUME 609940.00 4200180.00 48.27

SO LOCATION ON_0345 VOLUME 609940.00 4200200.00 48.95

SO LOCATION ON_0346 VOLUME 609940.00 4200220.00 50.61

SO LOCATION ON_0347 VOLUME 609940.00 4200240.00 52.78

SO LOCATION ON_0348 VOLUME 609940.00 4200260.00 54.87

SO LOCATION ON_0349 VOLUME 609940.00 4200280.00 56.84

SO LOCATION ON_0350 VOLUME 609940.00 4200300.00 58.53

SO LOCATION ON_0351 VOLUME 609940.00 4200320.00 59.87

SO LOCATION ON_0352 VOLUME 609940.00 4200340.00 60.61

SO LOCATION ON_0353 VOLUME 609940.00 4200360.00 60.11

SO LOCATION ON_0354 VOLUME 609940.00 4200380.00 57.49

SO LOCATION ON_0355 VOLUME 609940.00 4200400.00 55.42

SO LOCATION ON_0356 VOLUME 609940.00 4200420.00 52.76

SO LOCATION ON_0357 VOLUME 609940.00 4200440.00 50.08

SO LOCATION ON_0358 VOLUME 609940.00 4200460.00 48.50

SO LOCATION ON_0359 VOLUME 609940.00 4200480.00 46.82

SO LOCATION ON_0360 VOLUME 609940.00 4200500.00 45.05

Modeled Onsite Sources

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SO LOCATION  ON_0361  VOLUME  609940.00  4200520.00  43.08
SO LOCATION  ON_0362  VOLUME  609940.00  4200540.00  43.32
SO LOCATION  ON_0363  VOLUME  609940.00  4200560.00  45.87
SO LOCATION  ON_0364  VOLUME  609940.00  4200580.00  45.86
SO LOCATION  ON_0365  VOLUME  609940.00  4200600.00  45.69
SO LOCATION  ON_0366  VOLUME  609940.00  4200620.00  45.67
SO LOCATION  ON_0367  VOLUME  609940.00  4200640.00  45.74
SO LOCATION  ON_0368  VOLUME  609940.00  4200660.00  45.79
SO LOCATION  ON_0369  VOLUME  609960.00  4199880.00  57.58
SO LOCATION  ON_0370  VOLUME  609960.00  4199900.00  56.03
SO LOCATION  ON_0371  VOLUME  609960.00  4199920.00  54.28
SO LOCATION  ON_0372  VOLUME  609960.00  4199940.00  51.69
SO LOCATION  ON_0373  VOLUME  609960.00  4199960.00  49.16
SO LOCATION  ON_0374  VOLUME  609960.00  4199980.00  47.97
SO LOCATION  ON_0375  VOLUME  609960.00  4200000.00  47.86
SO LOCATION  ON_0376  VOLUME  609960.00  4200020.00  47.89
SO LOCATION  ON_0377  VOLUME  609960.00  4200040.00  48.22
SO LOCATION  ON_0378  VOLUME  609960.00  4200060.00  48.49
SO LOCATION  ON_0379  VOLUME  609960.00  4200080.00  48.84
SO LOCATION  ON_0380  VOLUME  609960.00  4200100.00  49.28
SO LOCATION  ON_0381  VOLUME  609960.00  4200120.00  49.95
SO LOCATION  ON_0382  VOLUME  609960.00  4200140.00  50.19
SO LOCATION  ON_0383  VOLUME  609960.00  4200160.00  50.31
SO LOCATION  ON_0384  VOLUME  609960.00  4200180.00  50.47
```

Modeled Onsite Sources

```
SO LOCATION  ON_0385  VOLUME  609960.00  4200200.00  51.17
SO LOCATION  ON_0386  VOLUME  609960.00  4200220.00  53.08
SO LOCATION  ON_0387  VOLUME  609960.00  4200240.00  55.28
SO LOCATION  ON_0388  VOLUME  609960.00  4200260.00  57.28
SO LOCATION  ON_0389  VOLUME  609960.00  4200280.00  59.26
SO LOCATION  ON_0390  VOLUME  609960.00  4200300.00  61.09
SO LOCATION  ON_0391  VOLUME  609960.00  4200320.00  62.04
SO LOCATION  ON_0392  VOLUME  609960.00  4200340.00  62.21
SO LOCATION  ON_0393  VOLUME  609960.00  4200360.00  59.83
SO LOCATION  ON_0394  VOLUME  609960.00  4200380.00  56.38
SO LOCATION  ON_0395  VOLUME  609960.00  4200400.00  53.62
SO LOCATION  ON_0396  VOLUME  609960.00  4200420.00  50.64
SO LOCATION  ON_0397  VOLUME  609960.00  4200440.00  48.89
SO LOCATION  ON_0398  VOLUME  609960.00  4200460.00  47.87
SO LOCATION  ON_0399  VOLUME  609960.00  4200480.00  46.26
SO LOCATION  ON_0400  VOLUME  609960.00  4200500.00  44.65
SO LOCATION  ON_0401  VOLUME  609960.00  4200520.00  42.50
SO LOCATION  ON_0402  VOLUME  609960.00  4200540.00  44.64
SO LOCATION  ON_0403  VOLUME  609960.00  4200560.00  46.76
SO LOCATION  ON_0404  VOLUME  609960.00  4200580.00  45.64
SO LOCATION  ON_0405  VOLUME  609960.00  4200600.00  45.51
SO LOCATION  ON_0406  VOLUME  609960.00  4200620.00  45.48
SO LOCATION  ON_0407  VOLUME  609960.00  4200640.00  45.54
SO LOCATION  ON_0408  VOLUME  609960.00  4200660.00  45.58
```

Modeled Onsite Sources

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SO LOCATION  ON_0409  VOLUME  609980.00  4199880.00  54.68
SO LOCATION  ON_0410  VOLUME  609980.00  4199900.00  53.32
SO LOCATION  ON_0411  VOLUME  609980.00  4199920.00  51.64
SO LOCATION  ON_0412  VOLUME  609980.00  4199940.00  49.57
SO LOCATION  ON_0413  VOLUME  609980.00  4199960.00  48.18
SO LOCATION  ON_0414  VOLUME  609980.00  4199980.00  48.21
SO LOCATION  ON_0415  VOLUME  609980.00  4200000.00  48.62
SO LOCATION  ON_0416  VOLUME  609980.00  4200020.00  48.97
SO LOCATION  ON_0417  VOLUME  609980.00  4200040.00  49.50
SO LOCATION  ON_0418  VOLUME  609980.00  4200060.00  50.19
SO LOCATION  ON_0419  VOLUME  609980.00  4200080.00  51.13
SO LOCATION  ON_0420  VOLUME  609980.00  4200100.00  52.13
SO LOCATION  ON_0421  VOLUME  609980.00  4200120.00  53.05
SO LOCATION  ON_0422  VOLUME  609980.00  4200140.00  53.63
SO LOCATION  ON_0423  VOLUME  609980.00  4200160.00  53.90
SO LOCATION  ON_0424  VOLUME  609980.00  4200180.00  53.97
SO LOCATION  ON_0425  VOLUME  609980.00  4200200.00  54.20
SO LOCATION  ON_0426  VOLUME  609980.00  4200220.00  55.33
SO LOCATION  ON_0427  VOLUME  609980.00  4200240.00  57.58
SO LOCATION  ON_0428  VOLUME  609980.00  4200260.00  59.72
SO LOCATION  ON_0429  VOLUME  609980.00  4200280.00  61.56
SO LOCATION  ON_0430  VOLUME  609980.00  4200300.00  62.67
SO LOCATION  ON_0431  VOLUME  609980.00  4200320.00  63.29
SO LOCATION  ON_0432  VOLUME  609980.00  4200340.00  62.33
```

Modeled Onsite Sources

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SO LOCATION  ON_0433  VOLUME  609980.00  4200360.00  58.74
SO LOCATION  ON_0434  VOLUME  609980.00  4200380.00  54.91
SO LOCATION  ON_0435  VOLUME  609980.00  4200400.00  51.99
SO LOCATION  ON_0436  VOLUME  609980.00  4200420.00  49.39
SO LOCATION  ON_0437  VOLUME  609980.00  4200440.00  48.33
SO LOCATION  ON_0438  VOLUME  609980.00  4200460.00  47.35
SO LOCATION  ON_0439  VOLUME  609980.00  4200480.00  45.87
SO LOCATION  ON_0440  VOLUME  609980.00  4200500.00  44.46
SO LOCATION  ON_0441  VOLUME  609980.00  4200520.00  42.62
SO LOCATION  ON_0442  VOLUME  609980.00  4200540.00  44.26
SO LOCATION  ON_0443  VOLUME  609980.00  4200560.00  46.50
SO LOCATION  ON_0444  VOLUME  609980.00  4200580.00  45.43
SO LOCATION  ON_0445  VOLUME  609980.00  4200600.00  45.08
SO LOCATION  ON_0446  VOLUME  609980.00  4200620.00  45.13
SO LOCATION  ON_0447  VOLUME  609980.00  4200640.00  45.27
SO LOCATION  ON_0448  VOLUME  609980.00  4200660.00  45.30
SO LOCATION  ON_0449  VOLUME  610000.00  4199880.00  52.30
SO LOCATION  ON_0450  VOLUME  610000.00  4199900.00  50.84
SO LOCATION  ON_0451  VOLUME  610000.00  4199920.00  49.53
SO LOCATION  ON_0452  VOLUME  610000.00  4199940.00  48.63
SO LOCATION  ON_0453  VOLUME  610000.00  4199960.00  48.70
SO LOCATION  ON_0454  VOLUME  610000.00  4199980.00  49.18
SO LOCATION  ON_0455  VOLUME  610000.00  4200000.00  49.96
SO LOCATION  ON_0456  VOLUME  610000.00  4200020.00  50.81
```

Modeled Onsite Sources

SO LOCATION ON_0457 VOLUME 610000.00 4200040.00 51.80

SO LOCATION ON_0458 VOLUME 610000.00 4200060.00 52.96

SO LOCATION ON_0459 VOLUME 610000.00 4200080.00 54.23

SO LOCATION ON_0460 VOLUME 610000.00 4200100.00 55.34

SO LOCATION ON_0461 VOLUME 610000.00 4200120.00 56.34

SO LOCATION ON_0462 VOLUME 610000.00 4200140.00 57.07

SO LOCATION ON_0463 VOLUME 610000.00 4200160.00 57.42

SO LOCATION ON_0464 VOLUME 610000.00 4200180.00 57.33

SO LOCATION ON_0465 VOLUME 610000.00 4200200.00 57.27

SO LOCATION ON_0466 VOLUME 610000.00 4200220.00 58.23

SO LOCATION ON_0467 VOLUME 610000.00 4200240.00 59.91

SO LOCATION ON_0468 VOLUME 610000.00 4200260.00 61.73

SO LOCATION ON_0469 VOLUME 610000.00 4200280.00 62.91

SO LOCATION ON_0470 VOLUME 610000.00 4200300.00 63.64

SO LOCATION ON_0471 VOLUME 610000.00 4200320.00 63.29

SO LOCATION ON_0472 VOLUME 610000.00 4200340.00 61.39

SO LOCATION ON_0473 VOLUME 610000.00 4200360.00 57.32

SO LOCATION ON_0474 VOLUME 610000.00 4200380.00 53.83

SO LOCATION ON_0475 VOLUME 610000.00 4200400.00 50.80

SO LOCATION ON_0476 VOLUME 610000.00 4200420.00 48.92

SO LOCATION ON_0477 VOLUME 610000.00 4200440.00 47.97

SO LOCATION ON_0478 VOLUME 610000.00 4200460.00 47.00

SO LOCATION ON_0479 VOLUME 610000.00 4200480.00 45.68

SO LOCATION ON_0480 VOLUME 610000.00 4200500.00 44.56

Modeled Onsite Sources

SO LOCATION ON_0481 VOLUME 610000.00 4200520.00 42.86

SO LOCATION ON_0482 VOLUME 610000.00 4200540.00 43.55

SO LOCATION ON_0483 VOLUME 610000.00 4200560.00 47.17

SO LOCATION ON_0484 VOLUME 610000.00 4200580.00 45.21

SO LOCATION ON_0485 VOLUME 610000.00 4200600.00 45.02

SO LOCATION ON_0486 VOLUME 610000.00 4200620.00 44.83

SO LOCATION ON_0487 VOLUME 610000.00 4200640.00 44.91

SO LOCATION ON_0488 VOLUME 610000.00 4200660.00 44.96

SO LOCATION ON_0489 VOLUME 610020.00 4199880.00 50.28

SO LOCATION ON_0490 VOLUME 610020.00 4199900.00 49.40

SO LOCATION ON_0491 VOLUME 610020.00 4199920.00 49.38

SO LOCATION ON_0492 VOLUME 610020.00 4199940.00 49.39

SO LOCATION ON_0493 VOLUME 610020.00 4199960.00 49.80

SO LOCATION ON_0494 VOLUME 610020.00 4199980.00 50.81

SO LOCATION ON_0495 VOLUME 610020.00 4200000.00 51.89

SO LOCATION ON_0496 VOLUME 610020.00 4200020.00 52.98

SO LOCATION ON_0497 VOLUME 610020.00 4200040.00 54.21

SO LOCATION ON_0498 VOLUME 610020.00 4200060.00 55.60

SO LOCATION ON_0499 VOLUME 610020.00 4200080.00 57.03

SO LOCATION ON_0500 VOLUME 610020.00 4200100.00 58.38

SO LOCATION ON_0501 VOLUME 610020.00 4200120.00 59.65

SO LOCATION ON_0502 VOLUME 610020.00 4200140.00 60.62

SO LOCATION ON_0503 VOLUME 610020.00 4200160.00 60.88

SO LOCATION ON_0504 VOLUME 610020.00 4200180.00 61.01

Modeled Onsite Sources

SO LOCATION ON_0505 VOLUME 610020.00 4200200.00 60.79

SO LOCATION ON_0506 VOLUME 610020.00 4200220.00 61.02

SO LOCATION ON_0507 VOLUME 610020.00 4200240.00 61.90

SO LOCATION ON_0508 VOLUME 610020.00 4200260.00 62.95

SO LOCATION ON_0509 VOLUME 610020.00 4200280.00 63.97

SO LOCATION ON_0510 VOLUME 610020.00 4200300.00 63.98

SO LOCATION ON_0511 VOLUME 610020.00 4200320.00 62.77

SO LOCATION ON_0512 VOLUME 610020.00 4200340.00 60.30

SO LOCATION ON_0513 VOLUME 610020.00 4200360.00 56.06

SO LOCATION ON_0514 VOLUME 610020.00 4200380.00 52.82

SO LOCATION ON_0515 VOLUME 610020.00 4200400.00 49.96

SO LOCATION ON_0516 VOLUME 610020.00 4200420.00 48.66

SO LOCATION ON_0517 VOLUME 610020.00 4200440.00 47.76

SO LOCATION ON_0518 VOLUME 610020.00 4200460.00 46.81

SO LOCATION ON_0519 VOLUME 610020.00 4200480.00 45.57

SO LOCATION ON_0520 VOLUME 610020.00 4200500.00 44.50

SO LOCATION ON_0521 VOLUME 610020.00 4200520.00 42.78

SO LOCATION ON_0522 VOLUME 610020.00 4200540.00 42.97

SO LOCATION ON_0523 VOLUME 610020.00 4200560.00 47.19

SO LOCATION ON_0524 VOLUME 610020.00 4200580.00 45.45

SO LOCATION ON_0525 VOLUME 610020.00 4200600.00 44.79

SO LOCATION ON_0526 VOLUME 610020.00 4200620.00 44.63

SO LOCATION ON_0527 VOLUME 610020.00 4200640.00 44.63

SO LOCATION ON_0528 VOLUME 610020.00 4200660.00 44.77

Modeled Onsite Sources

SO LOCATION ON_0529 VOLUME 610040.00 4199880.00 49.80

SO LOCATION ON_0530 VOLUME 610040.00 4199900.00 49.26

SO LOCATION ON_0531 VOLUME 610040.00 4199920.00 49.60

SO LOCATION ON_0532 VOLUME 610040.00 4199940.00 50.35

SO LOCATION ON_0533 VOLUME 610040.00 4199960.00 51.54

SO LOCATION ON_0534 VOLUME 610040.00 4199980.00 52.71

SO LOCATION ON_0535 VOLUME 610040.00 4200000.00 53.83

SO LOCATION ON_0536 VOLUME 610040.00 4200020.00 55.02

SO LOCATION ON_0537 VOLUME 610040.00 4200040.00 56.51

SO LOCATION ON_0538 VOLUME 610040.00 4200060.00 58.11

SO LOCATION ON_0539 VOLUME 610040.00 4200080.00 59.76

SO LOCATION ON_0540 VOLUME 610040.00 4200100.00 61.36

SO LOCATION ON_0541 VOLUME 610040.00 4200120.00 62.58

SO LOCATION ON_0542 VOLUME 610040.00 4200140.00 63.28

SO LOCATION ON_0543 VOLUME 610040.00 4200160.00 63.53

SO LOCATION ON_0544 VOLUME 610040.00 4200180.00 63.51

SO LOCATION ON_0545 VOLUME 610040.00 4200200.00 63.24

SO LOCATION ON_0546 VOLUME 610040.00 4200220.00 63.16

SO LOCATION ON_0547 VOLUME 610040.00 4200240.00 63.50

SO LOCATION ON_0548 VOLUME 610040.00 4200260.00 64.23

SO LOCATION ON_0549 VOLUME 610040.00 4200280.00 64.64

SO LOCATION ON_0550 VOLUME 610040.00 4200300.00 63.95

SO LOCATION ON_0551 VOLUME 610040.00 4200320.00 62.43

SO LOCATION ON_0552 VOLUME 610040.00 4200340.00 59.28

Modeled Onsite Sources

```
SO LOCATION  ON_0553  VOLUME  610040.00  4200360.00  55.36
SO LOCATION  ON_0554  VOLUME  610040.00  4200380.00  51.96
SO LOCATION  ON_0555  VOLUME  610040.00  4200400.00  49.29
SO LOCATION  ON_0556  VOLUME  610040.00  4200420.00  48.39
SO LOCATION  ON_0557  VOLUME  610040.00  4200440.00  47.59
SO LOCATION  ON_0558  VOLUME  610040.00  4200460.00  46.61
SO LOCATION  ON_0559  VOLUME  610040.00  4200480.00  45.50
SO LOCATION  ON_0560  VOLUME  610040.00  4200500.00  44.57
SO LOCATION  ON_0561  VOLUME  610040.00  4200520.00  42.70
SO LOCATION  ON_0562  VOLUME  610040.00  4200540.00  42.33
SO LOCATION  ON_0563  VOLUME  610040.00  4200560.00  47.10
SO LOCATION  ON_0564  VOLUME  610040.00  4200580.00  45.71
SO LOCATION  ON_0565  VOLUME  610040.00  4200600.00  44.66
SO LOCATION  ON_0566  VOLUME  610040.00  4200620.00  44.53
SO LOCATION  ON_0567  VOLUME  610040.00  4200640.00  44.58
SO LOCATION  ON_0568  VOLUME  610040.00  4200660.00  44.68
SO LOCATION  ON_0569  VOLUME  610040.00  4200680.00  44.64
SO LOCATION  ON_0570  VOLUME  610060.00  4199880.00  49.75
SO LOCATION  ON_0571  VOLUME  610060.00  4199900.00  49.83
SO LOCATION  ON_0572  VOLUME  610060.00  4199920.00  50.83
SO LOCATION  ON_0573  VOLUME  610060.00  4199940.00  52.06
SO LOCATION  ON_0574  VOLUME  610060.00  4199960.00  53.26
SO LOCATION  ON_0575  VOLUME  610060.00  4199980.00  54.49
SO LOCATION  ON_0576  VOLUME  610060.00  4200000.00  55.82
```

Modeled Onsite Sources

```
SO LOCATION  ON_0577  VOLUME  610060.00  4200020.00  57.21
SO LOCATION  ON_0578  VOLUME  610060.00  4200040.00  58.76
SO LOCATION  ON_0579  VOLUME  610060.00  4200060.00  60.52
SO LOCATION  ON_0580  VOLUME  610060.00  4200080.00  62.35
SO LOCATION  ON_0581  VOLUME  610060.00  4200100.00  63.82
SO LOCATION  ON_0582  VOLUME  610060.00  4200120.00  64.94
SO LOCATION  ON_0583  VOLUME  610060.00  4200140.00  65.75
SO LOCATION  ON_0584  VOLUME  610060.00  4200160.00  66.05
SO LOCATION  ON_0585  VOLUME  610060.00  4200180.00  65.88
SO LOCATION  ON_0586  VOLUME  610060.00  4200200.00  65.73
SO LOCATION  ON_0587  VOLUME  610060.00  4200220.00  65.50
SO LOCATION  ON_0588  VOLUME  610060.00  4200240.00  65.22
SO LOCATION  ON_0589  VOLUME  610060.00  4200260.00  65.10
SO LOCATION  ON_0590  VOLUME  610060.00  4200280.00  64.60
SO LOCATION  ON_0591  VOLUME  610060.00  4200300.00  63.60
SO LOCATION  ON_0592  VOLUME  610060.00  4200320.00  61.97
SO LOCATION  ON_0593  VOLUME  610060.00  4200340.00  58.62
SO LOCATION  ON_0594  VOLUME  610060.00  4200360.00  54.83
SO LOCATION  ON_0595  VOLUME  610060.00  4200380.00  51.32
SO LOCATION  ON_0596  VOLUME  610060.00  4200400.00  49.08
SO LOCATION  ON_0597  VOLUME  610060.00  4200420.00  48.25
SO LOCATION  ON_0598  VOLUME  610060.00  4200440.00  47.45
SO LOCATION  ON_0599  VOLUME  610060.00  4200460.00  46.53
SO LOCATION  ON_0600  VOLUME  610060.00  4200480.00  45.54
```

Modeled Onsite Sources

```
SO LOCATION  ON_0601  VOLUME  610060.00  4200500.00  44.64
SO LOCATION  ON_0602  VOLUME  610060.00  4200520.00  43.63
SO LOCATION  ON_0603  VOLUME  610060.00  4200540.00  40.97
SO LOCATION  ON_0604  VOLUME  610060.00  4200560.00  46.01
SO LOCATION  ON_0605  VOLUME  610060.00  4200580.00  46.01
SO LOCATION  ON_0606  VOLUME  610060.00  4200600.00  44.79
SO LOCATION  ON_0607  VOLUME  610060.00  4200620.00  44.63
SO LOCATION  ON_0608  VOLUME  610060.00  4200640.00  44.59
SO LOCATION  ON_0609  VOLUME  610060.00  4200660.00  44.61
SO LOCATION  ON_0610  VOLUME  610060.00  4200680.00  44.56
SO LOCATION  ON_0611  VOLUME  610080.00  4199880.00  50.99
SO LOCATION  ON_0612  VOLUME  610080.00  4199900.00  51.70
SO LOCATION  ON_0613  VOLUME  610080.00  4199920.00  52.66
SO LOCATION  ON_0614  VOLUME  610080.00  4199940.00  53.72
SO LOCATION  ON_0615  VOLUME  610080.00  4199960.00  54.94
SO LOCATION  ON_0616  VOLUME  610080.00  4199980.00  56.35
SO LOCATION  ON_0617  VOLUME  610080.00  4200000.00  57.87
SO LOCATION  ON_0618  VOLUME  610080.00  4200020.00  59.35
SO LOCATION  ON_0619  VOLUME  610080.00  4200040.00  60.93
SO LOCATION  ON_0620  VOLUME  610080.00  4200060.00  62.87
SO LOCATION  ON_0621  VOLUME  610080.00  4200080.00  64.79
SO LOCATION  ON_0622  VOLUME  610080.00  4200100.00  66.35
SO LOCATION  ON_0623  VOLUME  610080.00  4200120.00  67.55
SO LOCATION  ON_0624  VOLUME  610080.00  4200140.00  68.00
```

Modeled Onsite Sources

```
SO LOCATION  ON_0625  VOLUME  610080.00  4200160.00  68.22
SO LOCATION  ON_0626  VOLUME  610080.00  4200180.00  67.77
SO LOCATION  ON_0627  VOLUME  610080.00  4200200.00  67.10
SO LOCATION  ON_0628  VOLUME  610080.00  4200220.00  66.40
SO LOCATION  ON_0629  VOLUME  610080.00  4200240.00  65.31
SO LOCATION  ON_0630  VOLUME  610080.00  4200260.00  64.48
SO LOCATION  ON_0631  VOLUME  610080.00  4200280.00  63.79
SO LOCATION  ON_0632  VOLUME  610080.00  4200300.00  62.92
SO LOCATION  ON_0633  VOLUME  610080.00  4200320.00  61.39
SO LOCATION  ON_0634  VOLUME  610080.00  4200340.00  57.62
SO LOCATION  ON_0635  VOLUME  610080.00  4200360.00  54.06
SO LOCATION  ON_0636  VOLUME  610080.00  4200380.00  50.76
SO LOCATION  ON_0637  VOLUME  610080.00  4200400.00  48.98
SO LOCATION  ON_0638  VOLUME  610080.00  4200420.00  48.15
SO LOCATION  ON_0639  VOLUME  610080.00  4200440.00  47.35
SO LOCATION  ON_0640  VOLUME  610080.00  4200460.00  46.53
SO LOCATION  ON_0641  VOLUME  610080.00  4200480.00  45.61
SO LOCATION  ON_0642  VOLUME  610080.00  4200500.00  44.78
SO LOCATION  ON_0643  VOLUME  610080.00  4200520.00  44.04
SO LOCATION  ON_0644  VOLUME  610080.00  4200540.00  41.16
SO LOCATION  ON_0645  VOLUME  610080.00  4200560.00  43.55
SO LOCATION  ON_0646  VOLUME  610080.00  4200580.00  47.33
SO LOCATION  ON_0647  VOLUME  610080.00  4200600.00  45.58
SO LOCATION  ON_0648  VOLUME  610080.00  4200620.00  44.87
```

Modeled Onsite Sources

```
SO LOCATION  ON_0649  VOLUME  610080.00  4200640.00  44.77
SO LOCATION  ON_0650  VOLUME  610080.00  4200660.00  44.66
SO LOCATION  ON_0651  VOLUME  610080.00  4200680.00  44.64
SO LOCATION  ON_0652  VOLUME  610100.00  4199880.00  53.03
SO LOCATION  ON_0653  VOLUME  610100.00  4199900.00  53.67
SO LOCATION  ON_0654  VOLUME  610100.00  4199920.00  54.43
SO LOCATION  ON_0655  VOLUME  610100.00  4199940.00  55.41
SO LOCATION  ON_0656  VOLUME  610100.00  4199960.00  56.87
SO LOCATION  ON_0657  VOLUME  610100.00  4199980.00  58.41
SO LOCATION  ON_0658  VOLUME  610100.00  4200000.00  59.94
SO LOCATION  ON_0659  VOLUME  610100.00  4200020.00  61.47
SO LOCATION  ON_0660  VOLUME  610100.00  4200040.00  63.35
SO LOCATION  ON_0661  VOLUME  610100.00  4200060.00  65.49
SO LOCATION  ON_0662  VOLUME  610100.00  4200080.00  67.42
SO LOCATION  ON_0663  VOLUME  610100.00  4200100.00  68.52
SO LOCATION  ON_0664  VOLUME  610100.00  4200120.00  69.09
SO LOCATION  ON_0665  VOLUME  610100.00  4200140.00  69.47
SO LOCATION  ON_0666  VOLUME  610100.00  4200160.00  69.35
SO LOCATION  ON_0667  VOLUME  610100.00  4200180.00  68.60
SO LOCATION  ON_0668  VOLUME  610100.00  4200200.00  67.37
SO LOCATION  ON_0669  VOLUME  610100.00  4200220.00  65.91
SO LOCATION  ON_0670  VOLUME  610100.00  4200240.00  64.26
SO LOCATION  ON_0671  VOLUME  610100.00  4200260.00  63.32
SO LOCATION  ON_0672  VOLUME  610100.00  4200280.00  62.71
```

Modeled Onsite Sources

```
SO LOCATION  ON_0673  VOLUME  610100.00  4200300.00  61.83
SO LOCATION  ON_0674  VOLUME  610100.00  4200320.00  59.59
SO LOCATION  ON_0675  VOLUME  610100.00  4200340.00  56.34
SO LOCATION  ON_0676  VOLUME  610100.00  4200360.00  53.06
SO LOCATION  ON_0677  VOLUME  610100.00  4200380.00  50.10
SO LOCATION  ON_0678  VOLUME  610100.00  4200400.00  48.80
SO LOCATION  ON_0679  VOLUME  610100.00  4200420.00  48.02
SO LOCATION  ON_0680  VOLUME  610100.00  4200440.00  47.29
SO LOCATION  ON_0681  VOLUME  610100.00  4200460.00  46.51
SO LOCATION  ON_0682  VOLUME  610100.00  4200480.00  45.65
SO LOCATION  ON_0683  VOLUME  610100.00  4200500.00  44.98
SO LOCATION  ON_0684  VOLUME  610100.00  4200520.00  44.23
SO LOCATION  ON_0685  VOLUME  610100.00  4200540.00  42.69
SO LOCATION  ON_0686  VOLUME  610100.00  4200560.00  41.73
SO LOCATION  ON_0687  VOLUME  610100.00  4200580.00  46.67
SO LOCATION  ON_0688  VOLUME  610100.00  4200600.00  46.66
SO LOCATION  ON_0689  VOLUME  610100.00  4200620.00  45.50
SO LOCATION  ON_0690  VOLUME  610100.00  4200640.00  45.07
SO LOCATION  ON_0691  VOLUME  610100.00  4200660.00  44.84
SO LOCATION  ON_0692  VOLUME  610100.00  4200680.00  44.68
SO LOCATION  ON_0693  VOLUME  610120.00  4199880.00  54.62
SO LOCATION  ON_0694  VOLUME  610120.00  4199900.00  55.30
SO LOCATION  ON_0695  VOLUME  610120.00  4199920.00  56.34
SO LOCATION  ON_0696  VOLUME  610120.00  4199940.00  57.59
```

Modeled Onsite Sources

```
SO LOCATION  ON_0697  VOLUME  610120.00  4199960.00  59.01
SO LOCATION  ON_0698  VOLUME  610120.00  4199980.00  60.52
SO LOCATION  ON_0699  VOLUME  610120.00  4200000.00  62.07
SO LOCATION  ON_0700  VOLUME  610120.00  4200020.00  63.97
SO LOCATION  ON_0701  VOLUME  610120.00  4200040.00  65.98
SO LOCATION  ON_0702  VOLUME  610120.00  4200060.00  67.85
SO LOCATION  ON_0703  VOLUME  610120.00  4200080.00  68.99
SO LOCATION  ON_0704  VOLUME  610120.00  4200100.00  69.85
SO LOCATION  ON_0705  VOLUME  610120.00  4200120.00  70.37
SO LOCATION  ON_0706  VOLUME  610120.00  4200140.00  70.00
SO LOCATION  ON_0707  VOLUME  610120.00  4200160.00  68.98
SO LOCATION  ON_0708  VOLUME  610120.00  4200180.00  67.92
SO LOCATION  ON_0709  VOLUME  610120.00  4200200.00  66.24
SO LOCATION  ON_0710  VOLUME  610120.00  4200220.00  64.27
SO LOCATION  ON_0711  VOLUME  610120.00  4200240.00  62.76
SO LOCATION  ON_0712  VOLUME  610120.00  4200260.00  61.85
SO LOCATION  ON_0713  VOLUME  610120.00  4200280.00  60.89
SO LOCATION  ON_0714  VOLUME  610120.00  4200300.00  59.48
SO LOCATION  ON_0715  VOLUME  610120.00  4200320.00  57.38
SO LOCATION  ON_0716  VOLUME  610120.00  4200340.00  54.81
SO LOCATION  ON_0717  VOLUME  610120.00  4200360.00  51.82
SO LOCATION  ON_0718  VOLUME  610120.00  4200380.00  49.35
SO LOCATION  ON_0719  VOLUME  610120.00  4200400.00  48.60
SO LOCATION  ON_0720  VOLUME  610120.00  4200420.00  47.90
```

Modeled Onsite Sources

```
SO LOCATION  ON_0721  VOLUME  610120.00  4200440.00  47.22
SO LOCATION  ON_0722  VOLUME  610120.00  4200460.00  46.45
SO LOCATION  ON_0723  VOLUME  610120.00  4200480.00  45.69
SO LOCATION  ON_0724  VOLUME  610120.00  4200500.00  45.18
SO LOCATION  ON_0725  VOLUME  610120.00  4200520.00  44.31
SO LOCATION  ON_0726  VOLUME  610120.00  4200540.00  43.53
SO LOCATION  ON_0727  VOLUME  610120.00  4200560.00  40.84
SO LOCATION  ON_0728  VOLUME  610120.00  4200580.00  43.70
SO LOCATION  ON_0729  VOLUME  610120.00  4200600.00  47.30
SO LOCATION  ON_0730  VOLUME  610120.00  4200620.00  46.96
SO LOCATION  ON_0731  VOLUME  610120.00  4200640.00  45.72
SO LOCATION  ON_0732  VOLUME  610120.00  4200660.00  45.12
SO LOCATION  ON_0733  VOLUME  610120.00  4200680.00  44.77
SO LOCATION  ON_0734  VOLUME  610140.00  4199880.00  56.26
SO LOCATION  ON_0735  VOLUME  610140.00  4199900.00  57.44
SO LOCATION  ON_0736  VOLUME  610140.00  4199920.00  58.65
SO LOCATION  ON_0737  VOLUME  610140.00  4199940.00  59.85
SO LOCATION  ON_0738  VOLUME  610140.00  4199960.00  61.14
SO LOCATION  ON_0739  VOLUME  610140.00  4199980.00  62.57
SO LOCATION  ON_0740  VOLUME  610140.00  4200000.00  64.37
SO LOCATION  ON_0741  VOLUME  610140.00  4200020.00  66.42
SO LOCATION  ON_0742  VOLUME  610140.00  4200040.00  68.09
SO LOCATION  ON_0743  VOLUME  610140.00  4200060.00  69.17
SO LOCATION  ON_0744  VOLUME  610140.00  4200080.00  70.22
```

Modeled Onsite Sources

```
SO LOCATION  ON_0745  VOLUME  610140.00  4200100.00  70.51
SO LOCATION  ON_0746  VOLUME  610140.00  4200120.00  69.98
SO LOCATION  ON_0747  VOLUME  610140.00  4200140.00  69.12
SO LOCATION  ON_0748  VOLUME  610140.00  4200160.00  68.10
SO LOCATION  ON_0749  VOLUME  610140.00  4200180.00  66.38
SO LOCATION  ON_0750  VOLUME  610140.00  4200200.00  64.20
SO LOCATION  ON_0751  VOLUME  610140.00  4200220.00  62.37
SO LOCATION  ON_0752  VOLUME  610140.00  4200240.00  60.94
SO LOCATION  ON_0753  VOLUME  610140.00  4200260.00  59.69
SO LOCATION  ON_0754  VOLUME  610140.00  4200280.00  58.44
SO LOCATION  ON_0755  VOLUME  610140.00  4200300.00  57.08
SO LOCATION  ON_0756  VOLUME  610140.00  4200320.00  55.37
SO LOCATION  ON_0757  VOLUME  610140.00  4200340.00  53.06
SO LOCATION  ON_0758  VOLUME  610140.00  4200360.00  50.44
SO LOCATION  ON_0759  VOLUME  610140.00  4200380.00  49.04
SO LOCATION  ON_0760  VOLUME  610140.00  4200400.00  48.33
SO LOCATION  ON_0761  VOLUME  610140.00  4200420.00  47.70
SO LOCATION  ON_0762  VOLUME  610140.00  4200440.00  47.03
SO LOCATION  ON_0763  VOLUME  610140.00  4200460.00  46.33
SO LOCATION  ON_0764  VOLUME  610140.00  4200480.00  45.68
SO LOCATION  ON_0765  VOLUME  610140.00  4200500.00  45.19
SO LOCATION  ON_0766  VOLUME  610140.00  4200520.00  44.60
SO LOCATION  ON_0767  VOLUME  610140.00  4200540.00  44.04
SO LOCATION  ON_0768  VOLUME  610140.00  4200560.00  42.03
```

Modeled Onsite Sources

```
SO LOCATION  ON_0769  VOLUME  610140.00  4200580.00  41.44
SO LOCATION  ON_0770  VOLUME  610140.00  4200600.00  44.48
SO LOCATION  ON_0771  VOLUME  610140.00  4200620.00  46.96
SO LOCATION  ON_0772  VOLUME  610140.00  4200640.00  46.92
SO LOCATION  ON_0773  VOLUME  610140.00  4200660.00  45.66
SO LOCATION  ON_0774  VOLUME  610140.00  4200680.00  44.61
SO LOCATION  ON_0775  VOLUME  610160.00  4199880.00  58.55
SO LOCATION  ON_0776  VOLUME  610160.00  4199900.00  59.75
SO LOCATION  ON_0777  VOLUME  610160.00  4199920.00  60.96
SO LOCATION  ON_0778  VOLUME  610160.00  4199940.00  62.02
SO LOCATION  ON_0779  VOLUME  610160.00  4199960.00  63.11
SO LOCATION  ON_0780  VOLUME  610160.00  4199980.00  64.30
SO LOCATION  ON_0781  VOLUME  610160.00  4200000.00  66.18
SO LOCATION  ON_0782  VOLUME  610160.00  4200020.00  68.05
SO LOCATION  ON_0783  VOLUME  610160.00  4200040.00  69.16
SO LOCATION  ON_0784  VOLUME  610160.00  4200060.00  69.95
SO LOCATION  ON_0785  VOLUME  610160.00  4200080.00  69.79
SO LOCATION  ON_0786  VOLUME  610160.00  4200100.00  69.27
SO LOCATION  ON_0787  VOLUME  610160.00  4200120.00  68.75
SO LOCATION  ON_0788  VOLUME  610160.00  4200140.00  68.02
SO LOCATION  ON_0789  VOLUME  610160.00  4200160.00  66.62
SO LOCATION  ON_0790  VOLUME  610160.00  4200180.00  64.59
SO LOCATION  ON_0791  VOLUME  610160.00  4200200.00  62.36
SO LOCATION  ON_0792  VOLUME  610160.00  4200220.00  60.45
```

Modeled Onsite Sources

```
SO LOCATION  ON_0793  VOLUME  610160.00  4200240.00  58.92
SO LOCATION  ON_0794  VOLUME  610160.00  4200260.00  57.48
SO LOCATION  ON_0795  VOLUME  610160.00  4200280.00  56.14
SO LOCATION  ON_0796  VOLUME  610160.00  4200300.00  54.94
SO LOCATION  ON_0797  VOLUME  610160.00  4200320.00  53.51
SO LOCATION  ON_0798  VOLUME  610160.00  4200340.00  51.43
SO LOCATION  ON_0799  VOLUME  610160.00  4200360.00  49.49
SO LOCATION  ON_0800  VOLUME  610160.00  4200380.00  48.71
SO LOCATION  ON_0801  VOLUME  610160.00  4200400.00  48.06
SO LOCATION  ON_0802  VOLUME  610160.00  4200420.00  47.44
SO LOCATION  ON_0803  VOLUME  610160.00  4200440.00  46.77
SO LOCATION  ON_0804  VOLUME  610160.00  4200460.00  46.05
SO LOCATION  ON_0805  VOLUME  610160.00  4200480.00  45.61
SO LOCATION  ON_0806  VOLUME  610160.00  4200500.00  45.18
SO LOCATION  ON_0807  VOLUME  610160.00  4200520.00  44.73
SO LOCATION  ON_0808  VOLUME  610160.00  4200540.00  44.22
SO LOCATION  ON_0809  VOLUME  610160.00  4200560.00  43.51
SO LOCATION  ON_0810  VOLUME  610160.00  4200580.00  41.64
SO LOCATION  ON_0811  VOLUME  610160.00  4200600.00  41.69
SO LOCATION  ON_0812  VOLUME  610160.00  4200620.00  44.07
SO LOCATION  ON_0813  VOLUME  610160.00  4200640.00  45.35
SO LOCATION  ON_0814  VOLUME  610160.00  4200660.00  44.78
SO LOCATION  ON_0815  VOLUME  610160.00  4200680.00  43.79
SO LOCATION  ON_0816  VOLUME  610180.00  4199880.00  60.80
```

Modeled Onsite Sources

```
SO LOCATION  ON_0817  VOLUME  610180.00  4199900.00  62.08
SO LOCATION  ON_0818  VOLUME  610180.00  4199920.00  63.27
SO LOCATION  ON_0819  VOLUME  610180.00  4199940.00  64.44
SO LOCATION  ON_0820  VOLUME  610180.00  4199960.00  65.26
SO LOCATION  ON_0821  VOLUME  610180.00  4199980.00  65.80
SO LOCATION  ON_0822  VOLUME  610180.00  4200000.00  66.79
SO LOCATION  ON_0823  VOLUME  610180.00  4200020.00  67.90
SO LOCATION  ON_0824  VOLUME  610180.00  4200040.00  68.70
SO LOCATION  ON_0825  VOLUME  610180.00  4200060.00  68.72
SO LOCATION  ON_0826  VOLUME  610180.00  4200080.00  68.36
SO LOCATION  ON_0827  VOLUME  610180.00  4200100.00  67.72
SO LOCATION  ON_0828  VOLUME  610180.00  4200120.00  67.08
SO LOCATION  ON_0829  VOLUME  610180.00  4200140.00  66.04
SO LOCATION  ON_0830  VOLUME  610180.00  4200160.00  64.63
SO LOCATION  ON_0831  VOLUME  610180.00  4200180.00  63.00
SO LOCATION  ON_0832  VOLUME  610180.00  4200200.00  60.90
SO LOCATION  ON_0833  VOLUME  610180.00  4200220.00  58.79
SO LOCATION  ON_0834  VOLUME  610180.00  4200240.00  56.80
SO LOCATION  ON_0835  VOLUME  610180.00  4200260.00  55.37
SO LOCATION  ON_0836  VOLUME  610180.00  4200280.00  54.34
SO LOCATION  ON_0837  VOLUME  610180.00  4200300.00  53.25
SO LOCATION  ON_0838  VOLUME  610180.00  4200320.00  51.89
SO LOCATION  ON_0839  VOLUME  610180.00  4200340.00  50.24
SO LOCATION  ON_0840  VOLUME  610180.00  4200360.00  49.05
```

Modeled Onsite Sources

```
SO LOCATION  ON_0841  VOLUME  610180.00  4200380.00  48.37
SO LOCATION  ON_0842  VOLUME  610180.00  4200400.00  47.73
SO LOCATION  ON_0843  VOLUME  610180.00  4200420.00  47.07
SO LOCATION  ON_0844  VOLUME  610180.00  4200440.00  46.37
SO LOCATION  ON_0845  VOLUME  610180.00  4200460.00  45.80
SO LOCATION  ON_0846  VOLUME  610180.00  4200480.00  45.38
SO LOCATION  ON_0847  VOLUME  610180.00  4200500.00  44.91
SO LOCATION  ON_0848  VOLUME  610180.00  4200520.00  44.51
SO LOCATION  ON_0849  VOLUME  610180.00  4200540.00  44.05
SO LOCATION  ON_0850  VOLUME  610180.00  4200560.00  43.46
SO LOCATION  ON_0851  VOLUME  610180.00  4200580.00  42.71
SO LOCATION  ON_0852  VOLUME  610180.00  4200600.00  40.89
SO LOCATION  ON_0853  VOLUME  610180.00  4200620.00  41.94
SO LOCATION  ON_0854  VOLUME  610180.00  4200640.00  43.43
SO LOCATION  ON_0855  VOLUME  610180.00  4200660.00  43.42
SO LOCATION  ON_0856  VOLUME  610180.00  4200680.00  43.31
SO LOCATION  ON_0857  VOLUME  610200.00  4199880.00  63.55
SO LOCATION  ON_0858  VOLUME  610200.00  4199900.00  65.09
SO LOCATION  ON_0859  VOLUME  610200.00  4199920.00  66.25
SO LOCATION  ON_0860  VOLUME  610200.00  4199940.00  66.82
SO LOCATION  ON_0861  VOLUME  610200.00  4199960.00  66.81
SO LOCATION  ON_0862  VOLUME  610200.00  4199980.00  66.35
SO LOCATION  ON_0863  VOLUME  610200.00  4200000.00  66.63
SO LOCATION  ON_0864  VOLUME  610200.00  4200020.00  66.56
```

Modeled Onsite Sources

```
SO LOCATION  ON_0865  VOLUME  610200.00  4200040.00  66.48
SO LOCATION  ON_0866  VOLUME  610200.00  4200060.00  66.20
SO LOCATION  ON_0867  VOLUME  610200.00  4200080.00  65.60
SO LOCATION  ON_0868  VOLUME  610200.00  4200100.00  65.04
SO LOCATION  ON_0869  VOLUME  610200.00  4200120.00  64.52
SO LOCATION  ON_0870  VOLUME  610200.00  4200140.00  63.72
SO LOCATION  ON_0871  VOLUME  610200.00  4200160.00  62.74
SO LOCATION  ON_0872  VOLUME  610200.00  4200180.00  61.25
SO LOCATION  ON_0873  VOLUME  610200.00  4200200.00  59.30
SO LOCATION  ON_0874  VOLUME  610200.00  4200220.00  57.13
SO LOCATION  ON_0875  VOLUME  610200.00  4200240.00  55.17
SO LOCATION  ON_0876  VOLUME  610200.00  4200260.00  53.84
SO LOCATION  ON_0877  VOLUME  610200.00  4200280.00  52.80
SO LOCATION  ON_0878  VOLUME  610200.00  4200300.00  51.80
SO LOCATION  ON_0879  VOLUME  610200.00  4200320.00  50.57
SO LOCATION  ON_0880  VOLUME  610200.00  4200340.00  49.31
SO LOCATION  ON_0881  VOLUME  610200.00  4200360.00  48.67
SO LOCATION  ON_0882  VOLUME  610200.00  4200380.00  47.97
SO LOCATION  ON_0883  VOLUME  610200.00  4200400.00  47.34
SO LOCATION  ON_0884  VOLUME  610200.00  4200420.00  46.65
SO LOCATION  ON_0885  VOLUME  610200.00  4200440.00  46.00
SO LOCATION  ON_0886  VOLUME  610200.00  4200460.00  45.48
SO LOCATION  ON_0887  VOLUME  610200.00  4200480.00  45.02
SO LOCATION  ON_0888  VOLUME  610200.00  4200500.00  44.63
```

Modeled Onsite Sources

```
SO LOCATION  ON_0889  VOLUME  610200.00  4200520.00  44.19
SO LOCATION  ON_0890  VOLUME  610200.00  4200540.00  43.67
SO LOCATION  ON_0891  VOLUME  610200.00  4200560.00  43.29
SO LOCATION  ON_0892  VOLUME  610200.00  4200580.00  42.79
SO LOCATION  ON_0893  VOLUME  610200.00  4200600.00  42.18
SO LOCATION  ON_0894  VOLUME  610200.00  4200620.00  40.66
SO LOCATION  ON_0895  VOLUME  610200.00  4200640.00  42.08
SO LOCATION  ON_0896  VOLUME  610200.00  4200660.00  42.59
SO LOCATION  ON_0897  VOLUME  610200.00  4200680.00  42.87
SO LOCATION  ON_0898  VOLUME  610220.00  4199880.00  66.65
SO LOCATION  ON_0899  VOLUME  610220.00  4199900.00  68.02
SO LOCATION  ON_0900  VOLUME  610220.00  4199920.00  68.53
SO LOCATION  ON_0901  VOLUME  610220.00  4199940.00  67.95
SO LOCATION  ON_0902  VOLUME  610220.00  4199960.00  66.95
SO LOCATION  ON_0903  VOLUME  610220.00  4199980.00  65.87
SO LOCATION  ON_0904  VOLUME  610220.00  4200000.00  64.66
SO LOCATION  ON_0905  VOLUME  610220.00  4200020.00  63.61
SO LOCATION  ON_0906  VOLUME  610220.00  4200040.00  63.02
SO LOCATION  ON_0907  VOLUME  610220.00  4200060.00  62.28
SO LOCATION  ON_0908  VOLUME  610220.00  4200080.00  61.99
SO LOCATION  ON_0909  VOLUME  610220.00  4200100.00  62.07
SO LOCATION  ON_0910  VOLUME  610220.00  4200120.00  62.02
SO LOCATION  ON_0911  VOLUME  610220.00  4200140.00  61.41
SO LOCATION  ON_0912  VOLUME  610220.00  4200160.00  60.46
```

Modeled Onsite Sources

```
SO LOCATION  ON_0913  VOLUME  610220.00  4200180.00  59.11
SO LOCATION  ON_0914  VOLUME  610220.00  4200200.00  57.47
SO LOCATION  ON_0915  VOLUME  610220.00  4200220.00  55.60
SO LOCATION  ON_0916  VOLUME  610220.00  4200240.00  53.80
SO LOCATION  ON_0917  VOLUME  610220.00  4200260.00  52.29
SO LOCATION  ON_0918  VOLUME  610220.00  4200280.00  51.21
SO LOCATION  ON_0919  VOLUME  610220.00  4200300.00  50.36
SO LOCATION  ON_0920  VOLUME  610220.00  4200320.00  49.45
SO LOCATION  ON_0921  VOLUME  610220.00  4200340.00  48.82
SO LOCATION  ON_0922  VOLUME  610220.00  4200360.00  48.17
SO LOCATION  ON_0923  VOLUME  610220.00  4200380.00  47.51
SO LOCATION  ON_0924  VOLUME  610220.00  4200400.00  46.85
SO LOCATION  ON_0925  VOLUME  610220.00  4200420.00  46.20
SO LOCATION  ON_0926  VOLUME  610220.00  4200440.00  45.61
SO LOCATION  ON_0927  VOLUME  610220.00  4200460.00  45.08
SO LOCATION  ON_0928  VOLUME  610220.00  4200480.00  44.63
SO LOCATION  ON_0929  VOLUME  610220.00  4200500.00  44.17
SO LOCATION  ON_0930  VOLUME  610220.00  4200520.00  43.72
SO LOCATION  ON_0931  VOLUME  610220.00  4200540.00  43.36
SO LOCATION  ON_0932  VOLUME  610220.00  4200560.00  43.14
SO LOCATION  ON_0933  VOLUME  610220.00  4200580.00  42.78
SO LOCATION  ON_0934  VOLUME  610220.00  4200600.00  42.36
SO LOCATION  ON_0935  VOLUME  610220.00  4200620.00  41.85
SO LOCATION  ON_0936  VOLUME  610220.00  4200640.00  40.53
```

Modeled Onsite Sources

```
SO LOCATION  ON_0937  VOLUME  610220.00  4200660.00  42.06
SO LOCATION  ON_0938  VOLUME  610220.00  4200680.00  42.43
SO LOCATION  ON_0939  VOLUME  610240.00  4199880.00  68.68
SO LOCATION  ON_0940  VOLUME  610240.00  4199900.00  69.41
SO LOCATION  ON_0941  VOLUME  610240.00  4199920.00  68.79
SO LOCATION  ON_0942  VOLUME  610240.00  4199940.00  67.79
SO LOCATION  ON_0943  VOLUME  610240.00  4199960.00  65.81
SO LOCATION  ON_0944  VOLUME  610240.00  4199980.00  63.96
SO LOCATION  ON_0945  VOLUME  610240.00  4200000.00  62.26
SO LOCATION  ON_0946  VOLUME  610240.00  4200020.00  61.02
SO LOCATION  ON_0947  VOLUME  610240.00  4200040.00  60.06
SO LOCATION  ON_0948  VOLUME  610240.00  4200060.00  59.20
SO LOCATION  ON_0949  VOLUME  610240.00  4200080.00  58.91
SO LOCATION  ON_0950  VOLUME  610240.00  4200100.00  59.23
SO LOCATION  ON_0951  VOLUME  610240.00  4200120.00  59.24
SO LOCATION  ON_0952  VOLUME  610240.00  4200140.00  58.74
SO LOCATION  ON_0953  VOLUME  610240.00  4200160.00  57.96
SO LOCATION  ON_0954  VOLUME  610240.00  4200180.00  57.03
SO LOCATION  ON_0955  VOLUME  610240.00  4200200.00  55.70
SO LOCATION  ON_0956  VOLUME  610240.00  4200220.00  53.96
SO LOCATION  ON_0957  VOLUME  610240.00  4200240.00  52.10
SO LOCATION  ON_0958  VOLUME  610240.00  4200260.00  50.47
SO LOCATION  ON_0959  VOLUME  610240.00  4200280.00  49.55
SO LOCATION  ON_0960  VOLUME  610240.00  4200300.00  49.12
```

Modeled Onsite Sources

```
SO LOCATION  ON_0961  VOLUME  610240.00  4200320.00  48.76
SO LOCATION  ON_0962  VOLUME  610240.00  4200340.00  48.22
SO LOCATION  ON_0963  VOLUME  610240.00  4200360.00  47.61
SO LOCATION  ON_0964  VOLUME  610240.00  4200380.00  47.01
SO LOCATION  ON_0965  VOLUME  610240.00  4200400.00  46.31
SO LOCATION  ON_0966  VOLUME  610240.00  4200420.00  45.78
SO LOCATION  ON_0967  VOLUME  610240.00  4200440.00  45.18
SO LOCATION  ON_0968  VOLUME  610240.00  4200460.00  44.62
SO LOCATION  ON_0969  VOLUME  610240.00  4200480.00  44.15
SO LOCATION  ON_0970  VOLUME  610240.00  4200500.00  43.66
SO LOCATION  ON_0971  VOLUME  610240.00  4200520.00  43.35
SO LOCATION  ON_0972  VOLUME  610240.00  4200540.00  43.23
SO LOCATION  ON_0973  VOLUME  610240.00  4200560.00  43.04
SO LOCATION  ON_0974  VOLUME  610240.00  4200580.00  42.75
SO LOCATION  ON_0975  VOLUME  610240.00  4200600.00  42.42
SO LOCATION  ON_0976  VOLUME  610240.00  4200620.00  42.26
SO LOCATION  ON_0977  VOLUME  610240.00  4200640.00  41.68
SO LOCATION  ON_0978  VOLUME  610240.00  4200660.00  40.91
SO LOCATION  ON_0979  VOLUME  610240.00  4200680.00  42.25
SO LOCATION  ON_0980  VOLUME  610260.00  4199880.00  69.39
SO LOCATION  ON_0981  VOLUME  610260.00  4199900.00  68.82
SO LOCATION  ON_0982  VOLUME  610260.00  4199920.00  67.97
SO LOCATION  ON_0983  VOLUME  610260.00  4199940.00  66.47
SO LOCATION  ON_0984  VOLUME  610260.00  4199960.00  64.56
```

Modeled Onsite Sources

```
SO LOCATION  ON_0985  VOLUME  610260.00  4199980.00  62.66
SO LOCATION  ON_0986  VOLUME  610260.00  4200000.00  60.75
SO LOCATION  ON_0987  VOLUME  610260.00  4200020.00  58.90
SO LOCATION  ON_0988  VOLUME  610260.00  4200040.00  57.17
SO LOCATION  ON_0989  VOLUME  610260.00  4200060.00  55.84
SO LOCATION  ON_0990  VOLUME  610260.00  4200080.00  55.71
SO LOCATION  ON_0991  VOLUME  610260.00  4200100.00  56.56
SO LOCATION  ON_0992  VOLUME  610260.00  4200120.00  56.63
SO LOCATION  ON_0993  VOLUME  610260.00  4200140.00  56.24
SO LOCATION  ON_0994  VOLUME  610260.00  4200160.00  55.67
SO LOCATION  ON_0995  VOLUME  610260.00  4200180.00  54.75
SO LOCATION  ON_0996  VOLUME  610260.00  4200200.00  53.49
SO LOCATION  ON_0997  VOLUME  610260.00  4200220.00  51.86
SO LOCATION  ON_0998  VOLUME  610260.00  4200240.00  50.24
SO LOCATION  ON_0999  VOLUME  610260.00  4200260.00  49.18
SO LOCATION  ON_1000  VOLUME  610260.00  4200280.00  48.77
SO LOCATION  ON_1001  VOLUME  610260.00  4200300.00  48.43
SO LOCATION  ON_1002  VOLUME  610260.00  4200320.00  48.06
SO LOCATION  ON_1003  VOLUME  610260.00  4200340.00  47.58
SO LOCATION  ON_1004  VOLUME  610260.00  4200360.00  47.02
SO LOCATION  ON_1005  VOLUME  610260.00  4200380.00  46.47
SO LOCATION  ON_1006  VOLUME  610260.00  4200400.00  45.88
SO LOCATION  ON_1007  VOLUME  610260.00  4200420.00  45.27
SO LOCATION  ON_1008  VOLUME  610260.00  4200440.00  44.73
```

Modeled Onsite Sources

```
SO LOCATION  ON_1009  VOLUME  610260.00  4200460.00  44.15
SO LOCATION  ON_1010  VOLUME  610260.00  4200480.00  43.64
SO LOCATION  ON_1011  VOLUME  610260.00  4200500.00  43.32
SO LOCATION  ON_1012  VOLUME  610260.00  4200520.00  43.21
SO LOCATION  ON_1013  VOLUME  610260.00  4200540.00  43.11
SO LOCATION  ON_1014  VOLUME  610260.00  4200560.00  42.94
SO LOCATION  ON_1015  VOLUME  610260.00  4200580.00  42.70
SO LOCATION  ON_1016  VOLUME  610260.00  4200600.00  42.50
SO LOCATION  ON_1017  VOLUME  610260.00  4200620.00  42.29
SO LOCATION  ON_1018  VOLUME  610260.00  4200640.00  42.15
SO LOCATION  ON_1019  VOLUME  610260.00  4200660.00  40.82
SO LOCATION  ON_1020  VOLUME  610260.00  4200680.00  42.26
SO LOCATION  ON_1021  VOLUME  610280.00  4199900.00  67.82
SO LOCATION  ON_1022  VOLUME  610280.00  4199920.00  66.48
SO LOCATION  ON_1023  VOLUME  610280.00  4199940.00  64.89
SO LOCATION  ON_1024  VOLUME  610280.00  4199960.00  63.14
SO LOCATION  ON_1025  VOLUME  610280.00  4199980.00  61.30
SO LOCATION  ON_1026  VOLUME  610280.00  4200000.00  59.16
SO LOCATION  ON_1027  VOLUME  610280.00  4200020.00  56.88
SO LOCATION  ON_1028  VOLUME  610280.00  4200040.00  54.97
SO LOCATION  ON_1029  VOLUME  610280.00  4200060.00  54.10
SO LOCATION  ON_1030  VOLUME  610280.00  4200080.00  53.92
SO LOCATION  ON_1031  VOLUME  610280.00  4200100.00  54.07
SO LOCATION  ON_1032  VOLUME  610280.00  4200120.00  54.05
```

Modeled Onsite Sources

```
SO LOCATION  ON_1033  VOLUME  610280.00  4200140.00  53.63
SO LOCATION  ON_1034  VOLUME  610280.00  4200160.00  53.02
SO LOCATION  ON_1035  VOLUME  610280.00  4200180.00  52.14
SO LOCATION  ON_1036  VOLUME  610280.00  4200200.00  50.98
SO LOCATION  ON_1037  VOLUME  610280.00  4200220.00  49.78
SO LOCATION  ON_1038  VOLUME  610280.00  4200240.00  49.09
SO LOCATION  ON_1039  VOLUME  610280.00  4200260.00  48.60
SO LOCATION  ON_1040  VOLUME  610280.00  4200280.00  48.17
SO LOCATION  ON_1041  VOLUME  610280.00  4200300.00  47.78
SO LOCATION  ON_1042  VOLUME  610280.00  4200320.00  47.36
SO LOCATION  ON_1043  VOLUME  610280.00  4200340.00  46.96
SO LOCATION  ON_1044  VOLUME  610280.00  4200360.00  46.42
SO LOCATION  ON_1045  VOLUME  610280.00  4200380.00  45.92
SO LOCATION  ON_1046  VOLUME  610280.00  4200400.00  45.34
SO LOCATION  ON_1047  VOLUME  610280.00  4200420.00  44.82
SO LOCATION  ON_1048  VOLUME  610280.00  4200440.00  44.28
SO LOCATION  ON_1049  VOLUME  610280.00  4200460.00  43.67
SO LOCATION  ON_1050  VOLUME  610280.00  4200480.00  43.32
SO LOCATION  ON_1051  VOLUME  610280.00  4200500.00  43.21
SO LOCATION  ON_1052  VOLUME  610280.00  4200520.00  43.11
SO LOCATION  ON_1053  VOLUME  610280.00  4200540.00  42.99
SO LOCATION  ON_1054  VOLUME  610280.00  4200560.00  42.83
SO LOCATION  ON_1055  VOLUME  610280.00  4200580.00  42.64
SO LOCATION  ON_1056  VOLUME  610280.00  4200600.00  42.41
```

Modeled Onsite Sources

```
SO LOCATION  ON_1057  VOLUME  610280.00  4200620.00  42.29
SO LOCATION  ON_1058  VOLUME  610280.00  4200640.00  42.09
SO LOCATION  ON_1059  VOLUME  610280.00  4200660.00  40.91
SO LOCATION  ON_1060  VOLUME  610280.00  4200680.00  42.23
SO LOCATION  ON_1061  VOLUME  610300.00  4199900.00  65.96
SO LOCATION  ON_1062  VOLUME  610300.00  4199920.00  64.67
SO LOCATION  ON_1063  VOLUME  610300.00  4199940.00  63.22
SO LOCATION  ON_1064  VOLUME  610300.00  4199960.00  61.59
SO LOCATION  ON_1065  VOLUME  610300.00  4199980.00  59.71
SO LOCATION  ON_1066  VOLUME  610300.00  4200000.00  57.71
SO LOCATION  ON_1067  VOLUME  610300.00  4200020.00  55.56
SO LOCATION  ON_1068  VOLUME  610300.00  4200040.00  53.79
SO LOCATION  ON_1069  VOLUME  610300.00  4200060.00  52.39
SO LOCATION  ON_1070  VOLUME  610300.00  4200080.00  51.45
SO LOCATION  ON_1071  VOLUME  610300.00  4200100.00  51.33
SO LOCATION  ON_1072  VOLUME  610300.00  4200120.00  51.24
SO LOCATION  ON_1073  VOLUME  610300.00  4200140.00  50.95
SO LOCATION  ON_1074  VOLUME  610300.00  4200160.00  50.47
SO LOCATION  ON_1075  VOLUME  610300.00  4200180.00  49.76
SO LOCATION  ON_1076  VOLUME  610300.00  4200200.00  49.21
SO LOCATION  ON_1077  VOLUME  610300.00  4200220.00  48.81
SO LOCATION  ON_1078  VOLUME  610300.00  4200240.00  48.39
SO LOCATION  ON_1079  VOLUME  610300.00  4200260.00  47.97
SO LOCATION  ON_1080  VOLUME  610300.00  4200280.00  47.56
```

Modeled Onsite Sources

```
SO LOCATION  ON_1081  VOLUME  610300.00  4200300.00  47.16
SO LOCATION  ON_1082  VOLUME  610300.00  4200320.00  46.76
SO LOCATION  ON_1083  VOLUME  610300.00  4200340.00  46.28
SO LOCATION  ON_1084  VOLUME  610300.00  4200360.00  45.82
SO LOCATION  ON_1085  VOLUME  610300.00  4200380.00  45.34
SO LOCATION  ON_1086  VOLUME  610300.00  4200400.00  44.84
SO LOCATION  ON_1087  VOLUME  610300.00  4200420.00  44.35
SO LOCATION  ON_1088  VOLUME  610300.00  4200440.00  43.79
SO LOCATION  ON_1089  VOLUME  610300.00  4200460.00  43.37
SO LOCATION  ON_1090  VOLUME  610300.00  4200480.00  43.23
SO LOCATION  ON_1091  VOLUME  610300.00  4200500.00  43.11
SO LOCATION  ON_1092  VOLUME  610300.00  4200520.00  43.01
SO LOCATION  ON_1093  VOLUME  610300.00  4200540.00  42.88
SO LOCATION  ON_1094  VOLUME  610300.00  4200560.00  42.73
SO LOCATION  ON_1095  VOLUME  610300.00  4200580.00  42.59
SO LOCATION  ON_1096  VOLUME  610300.00  4200600.00  42.44
SO LOCATION  ON_1097  VOLUME  610300.00  4200620.00  42.24
SO LOCATION  ON_1098  VOLUME  610300.00  4200640.00  42.03
SO LOCATION  ON_1099  VOLUME  610300.00  4200660.00  40.67
SO LOCATION  ON_1100  VOLUME  610300.00  4200680.00  42.31
SO LOCATION  ON_1101  VOLUME  610320.00  4199900.00  63.99
SO LOCATION  ON_1102  VOLUME  610320.00  4199920.00  62.81
SO LOCATION  ON_1103  VOLUME  610320.00  4199940.00  61.44
SO LOCATION  ON_1104  VOLUME  610320.00  4199960.00  59.84
```

Modeled Onsite Sources

```
SO LOCATION  ON_1105  VOLUME  610320.00  4199980.00  58.14
SO LOCATION  ON_1106  VOLUME  610320.00  4200000.00  56.26
SO LOCATION  ON_1107  VOLUME  610320.00  4200020.00  54.34
SO LOCATION  ON_1108  VOLUME  610320.00  4200040.00  52.51
SO LOCATION  ON_1109  VOLUME  610320.00  4200060.00  50.64
SO LOCATION  ON_1110  VOLUME  610320.00  4200080.00  49.29
SO LOCATION  ON_1111  VOLUME  610320.00  4200100.00  49.09
SO LOCATION  ON_1112  VOLUME  610320.00  4200120.00  49.05
SO LOCATION  ON_1113  VOLUME  610320.00  4200140.00  48.81
SO LOCATION  ON_1114  VOLUME  610320.00  4200160.00  48.54
SO LOCATION  ON_1115  VOLUME  610320.00  4200180.00  48.33
SO LOCATION  ON_1116  VOLUME  610320.00  4200200.00  48.12
SO LOCATION  ON_1117  VOLUME  610320.00  4200220.00  47.95
SO LOCATION  ON_1118  VOLUME  610320.00  4200240.00  47.70
SO LOCATION  ON_1119  VOLUME  610320.00  4200380.00  44.76
SO LOCATION  ON_1120  VOLUME  610320.00  4200400.00  44.29
SO LOCATION  ON_1121  VOLUME  610320.00  4200420.00  43.85
SO LOCATION  ON_1122  VOLUME  610320.00  4200440.00  43.45
SO LOCATION  ON_1123  VOLUME  610320.00  4200460.00  43.26
SO LOCATION  ON_1124  VOLUME  610320.00  4200480.00  43.16
SO LOCATION  ON_1125  VOLUME  610320.00  4200500.00  43.04
SO LOCATION  ON_1126  VOLUME  610320.00  4200520.00  42.91
SO LOCATION  ON_1127  VOLUME  610320.00  4200540.00  42.84
SO LOCATION  ON_1128  VOLUME  610320.00  4200560.00  42.72
```

Modeled Onsite Sources

```
SO LOCATION  ON_1129  VOLUME  610320.00  4200580.00  42.53
SO LOCATION  ON_1130  VOLUME  610320.00  4200600.00  42.39
SO LOCATION  ON_1131  VOLUME  610320.00  4200620.00  42.19
SO LOCATION  ON_1132  VOLUME  610320.00  4200640.00  41.97
SO LOCATION  ON_1133  VOLUME  610320.00  4200660.00  39.85
SO LOCATION  ON_1134  VOLUME  610320.00  4200680.00  42.27
SO LOCATION  ON_1135  VOLUME  610340.00  4199900.00  62.00
SO LOCATION  ON_1136  VOLUME  610340.00  4199920.00  60.86
SO LOCATION  ON_1137  VOLUME  610340.00  4199940.00  59.37
SO LOCATION  ON_1138  VOLUME  610340.00  4199960.00  57.92
SO LOCATION  ON_1139  VOLUME  610340.00  4199980.00  56.48
SO LOCATION  ON_1140  VOLUME  610340.00  4200000.00  54.77
SO LOCATION  ON_1141  VOLUME  610340.00  4200020.00  52.90
SO LOCATION  ON_1142  VOLUME  610340.00  4200040.00  51.11
SO LOCATION  ON_1143  VOLUME  610340.00  4200060.00  49.49
SO LOCATION  ON_1144  VOLUME  610340.00  4200080.00  48.41
SO LOCATION  ON_1145  VOLUME  610340.00  4200100.00  47.88
SO LOCATION  ON_1146  VOLUME  610340.00  4200120.00  47.55
SO LOCATION  ON_1147  VOLUME  610340.00  4200140.00  47.19
SO LOCATION  ON_1148  VOLUME  610340.00  4200160.00  46.82
SO LOCATION  ON_1149  VOLUME  610340.00  4200180.00  46.59
SO LOCATION  ON_1150  VOLUME  610340.00  4200200.00  46.63
SO LOCATION  ON_1151  VOLUME  610340.00  4200220.00  46.65
SO LOCATION  ON_1152  VOLUME  610340.00  4200240.00  46.94
```

Modeled Onsite Sources

```
SO LOCATION  ON_1153  VOLUME  610340.00  4200440.00  43.25
SO LOCATION  ON_1154  VOLUME  610340.00  4200460.00  43.16
SO LOCATION  ON_1155  VOLUME  610340.00  4200480.00  43.06
SO LOCATION  ON_1156  VOLUME  610340.00  4200500.00  42.96
SO LOCATION  ON_1157  VOLUME  610340.00  4200520.00  42.86
SO LOCATION  ON_1158  VOLUME  610340.00  4200540.00  42.76
SO LOCATION  ON_1159  VOLUME  610340.00  4200560.00  42.61
SO LOCATION  ON_1160  VOLUME  610340.00  4200580.00  42.49
SO LOCATION  ON_1161  VOLUME  610340.00  4200600.00  42.33
SO LOCATION  ON_1162  VOLUME  610340.00  4200620.00  42.19
SO LOCATION  ON_1163  VOLUME  610340.00  4200640.00  42.02
SO LOCATION  ON_1164  VOLUME  610340.00  4200660.00  40.22
SO LOCATION  ON_1165  VOLUME  610340.00  4200680.00  41.83
SO LOCATION  ON_1166  VOLUME  610360.00  4199900.00  59.73
SO LOCATION  ON_1167  VOLUME  610360.00  4199920.00  58.49
SO LOCATION  ON_1168  VOLUME  610360.00  4199940.00  57.17
SO LOCATION  ON_1169  VOLUME  610360.00  4199960.00  55.88
SO LOCATION  ON_1170  VOLUME  610360.00  4199980.00  54.64
SO LOCATION  ON_1171  VOLUME  610360.00  4200000.00  52.98
SO LOCATION  ON_1172  VOLUME  610360.00  4200020.00  51.27
SO LOCATION  ON_1173  VOLUME  610360.00  4200040.00  49.63
SO LOCATION  ON_1174  VOLUME  610360.00  4200060.00  48.52
SO LOCATION  ON_1175  VOLUME  610360.00  4200080.00  47.49
SO LOCATION  ON_1176  VOLUME  610360.00  4200100.00  46.70
```

Modeled Onsite Sources

```
SO LOCATION  ON_1177  VOLUME  610360.00  4200120.00  45.83
SO LOCATION  ON_1178  VOLUME  610360.00  4200140.00  45.30
SO LOCATION  ON_1179  VOLUME  610360.00  4200160.00  44.89
SO LOCATION  ON_1180  VOLUME  610360.00  4200180.00  44.55
SO LOCATION  ON_1181  VOLUME  610360.00  4200200.00  44.46
SO LOCATION  ON_1182  VOLUME  610360.00  4200220.00  45.32
SO LOCATION  ON_1183  VOLUME  610360.00  4200240.00  46.16
SO LOCATION  ON_1184  VOLUME  610360.00  4200500.00  42.86
SO LOCATION  ON_1185  VOLUME  610360.00  4200520.00  42.76
SO LOCATION  ON_1186  VOLUME  610360.00  4200540.00  42.66
SO LOCATION  ON_1187  VOLUME  610360.00  4200560.00  42.56
SO LOCATION  ON_1188  VOLUME  610360.00  4200580.00  42.46
SO LOCATION  ON_1189  VOLUME  610360.00  4200600.00  42.34
SO LOCATION  ON_1190  VOLUME  610360.00  4200620.00  42.19
SO LOCATION  ON_1191  VOLUME  610360.00  4200640.00  42.14
SO LOCATION  ON_1192  VOLUME  610360.00  4200660.00  40.44
SO LOCATION  ON_1193  VOLUME  610360.00  4200680.00  40.88
SO LOCATION  ON_1194  VOLUME  610380.00  4199900.00  57.36
SO LOCATION  ON_1195  VOLUME  610380.00  4199920.00  56.22
SO LOCATION  ON_1196  VOLUME  610380.00  4199940.00  54.99
SO LOCATION  ON_1197  VOLUME  610380.00  4199960.00  53.79
SO LOCATION  ON_1198  VOLUME  610380.00  4199980.00  52.50
SO LOCATION  ON_1199  VOLUME  610380.00  4200000.00  51.09
SO LOCATION  ON_1200  VOLUME  610380.00  4200020.00  49.59
```

Modeled Onsite Sources

```
SO LOCATION  ON_1201  VOLUME  610380.00  4200040.00  48.48
SO LOCATION  ON_1202  VOLUME  610380.00  4200060.00  47.43
SO LOCATION  ON_1203  VOLUME  610380.00  4200080.00  46.47
SO LOCATION  ON_1204  VOLUME  610380.00  4200100.00  45.37
SO LOCATION  ON_1205  VOLUME  610380.00  4200120.00  44.29
SO LOCATION  ON_1206  VOLUME  610380.00  4200140.00  43.65
SO LOCATION  ON_1207  VOLUME  610380.00  4200160.00  43.44
SO LOCATION  ON_1208  VOLUME  610380.00  4200180.00  43.30
SO LOCATION  ON_1209  VOLUME  610380.00  4200200.00  43.37
SO LOCATION  ON_1210  VOLUME  610380.00  4200220.00  44.66
SO LOCATION  ON_1211  VOLUME  610380.00  4200240.00  45.51
SO LOCATION  ON_1212  VOLUME  610400.00  4199900.00  54.99
SO LOCATION  ON_1213  VOLUME  610400.00  4199920.00  53.95
SO LOCATION  ON_1214  VOLUME  610400.00  4199940.00  52.79
SO LOCATION  ON_1215  VOLUME  610400.00  4199960.00  51.66
SO LOCATION  ON_1216  VOLUME  610400.00  4199980.00  50.51
SO LOCATION  ON_1217  VOLUME  610400.00  4200000.00  49.38
SO LOCATION  ON_1218  VOLUME  610400.00  4200020.00  48.35
SO LOCATION  ON_1219  VOLUME  610400.00  4200040.00  47.36
SO LOCATION  ON_1220  VOLUME  610400.00  4200060.00  46.32
SO LOCATION  ON_1221  VOLUME  610400.00  4200080.00  45.30
SO LOCATION  ON_1222  VOLUME  610400.00  4200100.00  44.33
SO LOCATION  ON_1223  VOLUME  610400.00  4200120.00  43.37
SO LOCATION  ON_1224  VOLUME  610400.00  4200140.00  43.10
```

Modeled Onsite Sources

SO LOCATION ON_1225 VOLUME 610400.00 4200160.00 43.02

SO LOCATION ON_1226 VOLUME 610400.00 4200180.00 43.02

SO LOCATION ON_1227 VOLUME 610400.00 4200200.00 43.34

SO LOCATION ON_1228 VOLUME 610400.00 4200220.00 44.26

SO LOCATION ON_1229 VOLUME 610400.00 4200240.00 44.92

SO LOCATION ON_1230 VOLUME 610420.00 4199900.00 52.51

SO LOCATION ON_1231 VOLUME 610420.00 4199920.00 51.57

SO LOCATION ON_1232 VOLUME 610420.00 4199940.00 50.63

SO LOCATION ON_1233 VOLUME 610420.00 4199960.00 49.60

SO LOCATION ON_1234 VOLUME 610420.00 4199980.00 48.76

SO LOCATION ON_1235 VOLUME 610420.00 4200000.00 47.93

SO LOCATION ON_1236 VOLUME 610420.00 4200020.00 47.04

SO LOCATION ON_1237 VOLUME 610420.00 4200040.00 46.12

SO LOCATION ON_1238 VOLUME 610420.00 4200060.00 45.22

SO LOCATION ON_1239 VOLUME 610420.00 4200080.00 44.09

SO LOCATION ON_1240 VOLUME 610420.00 4200100.00 43.30

SO LOCATION ON_1241 VOLUME 610420.00 4200120.00 42.94

SO LOCATION ON_1242 VOLUME 610420.00 4200140.00 42.68

SO LOCATION ON_1243 VOLUME 610420.00 4200160.00 42.58

SO LOCATION ON_1244 VOLUME 610420.00 4200180.00 42.75

SO LOCATION ON_1245 VOLUME 610420.00 4200200.00 43.30

SO LOCATION ON_1246 VOLUME 610420.00 4200220.00 43.83

SO LOCATION ON_1247 VOLUME 610420.00 4200240.00 44.31

SO LOCATION ON_1248 VOLUME 610440.00 4199900.00 50.10

Modeled Onsite Sources

SO LOCATION ON_1249 VOLUME 610440.00 4199920.00 49.36

SO LOCATION ON_1250 VOLUME 610440.00 4199940.00 48.69

SO LOCATION ON_1251 VOLUME 610440.00 4199960.00 47.96

SO LOCATION ON_1252 VOLUME 610440.00 4199980.00 47.17

SO LOCATION ON_1253 VOLUME 610440.00 4200000.00 46.37

SO LOCATION ON_1254 VOLUME 610440.00 4200020.00 45.60

SO LOCATION ON_1255 VOLUME 610440.00 4200040.00 44.95

SO LOCATION ON_1256 VOLUME 610440.00 4200060.00 44.19

SO LOCATION ON_1257 VOLUME 610440.00 4200080.00 43.31

SO LOCATION ON_1258 VOLUME 610440.00 4200100.00 42.64

SO LOCATION ON_1259 VOLUME 610440.00 4200120.00 42.26

SO LOCATION ON_1260 VOLUME 610440.00 4200140.00 42.02

SO LOCATION ON_1261 VOLUME 610440.00 4200160.00 42.07

SO LOCATION ON_1262 VOLUME 610440.00 4200180.00 42.47

SO LOCATION ON_1263 VOLUME 610440.00 4200200.00 43.00

SO LOCATION ON_1264 VOLUME 610440.00 4200220.00 43.36

SO LOCATION ON_1265 VOLUME 610440.00 4200240.00 43.59

SO LOCATION ON_1266 VOLUME 610460.00 4199900.00 48.31

SO LOCATION ON_1267 VOLUME 610460.00 4199920.00 47.71

SO LOCATION ON_1268 VOLUME 610460.00 4199940.00 47.07

SO LOCATION ON_1269 VOLUME 610460.00 4199960.00 46.37

SO LOCATION ON_1270 VOLUME 610460.00 4199980.00 45.56

SO LOCATION ON_1271 VOLUME 610460.00 4200000.00 44.76

SO LOCATION ON_1272 VOLUME 610460.00 4200020.00 44.11

Modeled Onsite Sources

SO LOCATION ON_1273 VOLUME 610460.00 4200040.00 43.60

SO LOCATION ON_1274 VOLUME 610460.00 4200060.00 43.15

SO LOCATION ON_1275 VOLUME 610460.00 4200080.00 42.49

SO LOCATION ON_1276 VOLUME 610460.00 4200100.00 41.97

SO LOCATION ON_1277 VOLUME 610460.00 4200120.00 41.79

SO LOCATION ON_1278 VOLUME 610460.00 4200140.00 41.77

SO LOCATION ON_1279 VOLUME 610460.00 4200160.00 41.81

SO LOCATION ON_1280 VOLUME 610460.00 4200180.00 42.17

SO LOCATION ON_1281 VOLUME 610460.00 4200200.00 42.57

SO LOCATION ON_1282 VOLUME 610460.00 4200220.00 42.87

SO LOCATION ON_1283 VOLUME 610460.00 4200240.00 43.05

SO LOCATION ON_1284 VOLUME 610480.00 4199900.00 46.67

SO LOCATION ON_1285 VOLUME 610480.00 4199920.00 46.11

SO LOCATION ON_1286 VOLUME 610480.00 4199940.00 45.43

SO LOCATION ON_1287 VOLUME 610480.00 4199960.00 44.79

SO LOCATION ON_1288 VOLUME 610480.00 4199980.00 44.13

SO LOCATION ON_1289 VOLUME 610480.00 4200000.00 43.41

SO LOCATION ON_1290 VOLUME 610480.00 4200020.00 42.98

SO LOCATION ON_1291 VOLUME 610480.00 4200040.00 42.60

SO LOCATION ON_1292 VOLUME 610480.00 4200060.00 42.20

SO LOCATION ON_1293 VOLUME 610480.00 4200080.00 41.84

SO LOCATION ON_1294 VOLUME 610480.00 4200100.00 41.72

SO LOCATION ON_1295 VOLUME 610480.00 4200120.00 41.66

SO LOCATION ON_1296 VOLUME 610480.00 4200140.00 41.57

Modeled Onsite Sources

SO LOCATION ON_1297 VOLUME 610480.00 4200160.00 41.67

SO LOCATION ON_1298 VOLUME 610480.00 4200180.00 41.89

SO LOCATION ON_1299 VOLUME 610480.00 4200200.00 42.15

SO LOCATION ON_1300 VOLUME 610480.00 4200220.00 42.35

SO LOCATION ON_1301 VOLUME 610480.00 4200240.00 42.53

SO LOCATION ON_1302 VOLUME 610500.00 4199940.00 43.91

SO LOCATION ON_1303 VOLUME 610500.00 4199960.00 43.40

SO LOCATION ON_1304 VOLUME 610500.00 4199980.00 42.97

SO LOCATION ON_1305 VOLUME 610500.00 4200000.00 42.50

SO LOCATION ON_1306 VOLUME 610500.00 4200020.00 42.16

SO LOCATION ON_1307 VOLUME 610500.00 4200040.00 41.91

SO LOCATION ON_1308 VOLUME 610500.00 4200060.00 41.78

SO LOCATION ON_1309 VOLUME 610500.00 4200080.00 41.69

SO LOCATION ON_1310 VOLUME 610500.00 4200100.00 41.59

SO LOCATION ON_1311 VOLUME 610500.00 4200120.00 41.48

SO LOCATION ON_1312 VOLUME 610500.00 4200140.00 41.47

SO LOCATION ON_1313 VOLUME 610500.00 4200160.00 41.55

SO LOCATION ON_1314 VOLUME 610500.00 4200180.00 41.71

SO LOCATION ON_1315 VOLUME 610500.00 4200200.00 41.81

SO LOCATION ON_1316 VOLUME 610500.00 4200220.00 41.93

SO LOCATION ON_1317 VOLUME 610520.00 4199920.00 43.31

SO LOCATION ON_1318 VOLUME 610520.00 4199940.00 43.16

SO LOCATION ON_1319 VOLUME 610520.00 4199960.00 42.81

SO LOCATION ON_1320 VOLUME 610520.00 4199980.00 42.13

Modeled Onsite Sources

```
SO LOCATION  ON_1321  VOLUME  610520.00  4200000.00  41.81
SO LOCATION  ON_1322  VOLUME  610520.00  4200020.00  41.72
SO LOCATION  ON_1323  VOLUME  610520.00  4200040.00  41.62
SO LOCATION  ON_1324  VOLUME  610520.00  4200060.00  41.54
SO LOCATION  ON_1325  VOLUME  610520.00  4200080.00  41.48
SO LOCATION  ON_1326  VOLUME  610520.00  4200100.00  41.38
SO LOCATION  ON_1327  VOLUME  610520.00  4200120.00  41.35
SO LOCATION  ON_1328  VOLUME  610520.00  4200140.00  41.35
SO LOCATION  ON_1329  VOLUME  610520.00  4200160.00  41.37
SO LOCATION  ON_1330  VOLUME  610520.00  4200180.00  41.48
SO LOCATION  ON_1331  VOLUME  610520.00  4200200.00  41.58
SO LOCATION  ON_1332  VOLUME  610540.00  4199920.00  43.03
SO LOCATION  ON_1333  VOLUME  610540.00  4199940.00  42.93
SO LOCATION  ON_1334  VOLUME  610540.00  4199960.00  42.51
SO LOCATION  ON_1335  VOLUME  610540.00  4199980.00  42.03
SO LOCATION  ON_1336  VOLUME  610540.00  4200000.00  41.63
SO LOCATION  ON_1337  VOLUME  610540.00  4200020.00  41.44
SO LOCATION  ON_1338  VOLUME  610540.00  4200040.00  41.36
SO LOCATION  ON_1339  VOLUME  610540.00  4200060.00  41.29
SO LOCATION  ON_1340  VOLUME  610540.00  4200080.00  41.22
SO LOCATION  ON_1341  VOLUME  610540.00  4200100.00  41.17
SO LOCATION  ON_1342  VOLUME  610540.00  4200120.00  41.17
SO LOCATION  ON_1343  VOLUME  610540.00  4200140.00  41.17
SO LOCATION  ON_1344  VOLUME  610540.00  4200160.00  41.17
```

Modeled Onsite Sources

```
SO LOCATION  ON_1345  VOLUME  610560.00  4199920.00  43.87
SO LOCATION  ON_1346  VOLUME  610560.00  4199940.00  43.32
SO LOCATION  ON_1347  VOLUME  610560.00  4199960.00  43.06
SO LOCATION  ON_1348  VOLUME  610560.00  4199980.00  42.69
SO LOCATION  ON_1349  VOLUME  610560.00  4200000.00  41.97
SO LOCATION  ON_1350  VOLUME  610560.00  4200020.00  41.48
SO LOCATION  ON_1351  VOLUME  610560.00  4200040.00  41.19
SO LOCATION  ON_1352  VOLUME  610560.00  4200060.00  41.08
SO LOCATION  ON_1353  VOLUME  610560.00  4200080.00  41.00
SO LOCATION  ON_1354  VOLUME  610560.00  4200100.00  40.97
SO LOCATION  ON_1355  VOLUME  610560.00  4200120.00  40.97
SO SRCPARAM  ON_0001  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0002  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0003  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0004  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0005  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0006  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0007  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0008  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0009  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0010  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0011  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0012  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0013  7.380E-04  5.00  9.30  1.40
```

Modeled Onsite Sources

```
SO SRCPARAM  ON_0014  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0015  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0016  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0017  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0018  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0019  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0020  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0021  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0022  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0023  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0024  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0025  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0026  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0027  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0028  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0029  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0030  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0031  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0032  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0033  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0034  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0035  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0036  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0037  7.380E-04  5.00  9.30  1.40
```

Modeled Onsite Sources

```
SO SRCPARAM  ON_0038  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0039  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0040  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0041  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0042  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0043  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0044  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0045  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0046  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0047  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0048  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0049  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0050  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0051  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0052  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0053  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0054  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0055  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0056  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0057  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0058  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0059  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0060  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0061  7.380E-04  5.00  9.30  1.40
```

Modeled Onsite Sources

```
SO SRCPARAM  ON_0062  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0063  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0064  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0065  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0066  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0067  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0068  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0069  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0070  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0071  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0072  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0073  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0074  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0075  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0076  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0077  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0078  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0079  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0080  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0081  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0082  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0083  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0084  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0085  7.380E-04  5.00  9.30  1.40
```

Modeled Onsite Sources

```
SO SRCPARAM  ON_0086  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0087  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0088  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0089  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0090  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0091  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0092  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0093  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0094  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0095  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0096  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0097  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0098  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0099  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0100  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0101  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0102  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0103  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0104  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0105  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0106  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0107  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0108  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0109  7.380E-04  5.00  9.30  1.40
```

Modeled Onsite Sources

```
SO SRCPARAM  ON_0110  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0111  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0112  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0113  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0114  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0115  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0116  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0117  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0118  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0119  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0120  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0121  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0122  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0123  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0124  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0125  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0126  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0127  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0128  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0129  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0130  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0131  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0132  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0133  7.380E-04  5.00  9.30  1.40
```

Modeled Onsite Sources

```
SO SRCPARAM  ON_0134  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0135  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0136  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0137  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0138  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0139  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0140  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0141  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0142  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0143  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0144  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0145  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0146  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0147  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0148  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0149  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0150  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0151  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0152  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0153  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0154  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0155  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0156  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0157  7.380E-04  5.00  9.30  1.40
```

Modeled Onsite Sources

```
SO SRCPARAM  ON_0158  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0159  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0160  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0161  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0162  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0163  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0164  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0165  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0166  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0167  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0168  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0169  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0170  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0171  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0172  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0173  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0174  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0175  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0176  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0177  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0178  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0179  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0180  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0181  7.380E-04  5.00  9.30  1.40
```

Modeled Onsite Sources

```
SO SRCPARAM  ON_0182  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0183  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0184  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0185  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0186  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0187  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0188  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0189  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0190  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0191  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0192  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0193  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0194  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0195  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0196  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0197  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0198  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0199  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0200  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0201  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0202  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0203  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0204  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0205  7.380E-04  5.00  9.30  1.40
```

Modeled Onsite Sources

```
SO SRCPARAM  ON_0206  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0207  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0208  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0209  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0210  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0211  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0212  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0213  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0214  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0215  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0216  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0217  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0218  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0219  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0220  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0221  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0222  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0223  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0224  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0225  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0226  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0227  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0228  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0229  7.380E-04  5.00  9.30  1.40
```

Modeled Onsite Sources

```
SO SRCPARAM  ON_0230  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0231  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0232  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0233  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0234  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0235  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0236  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0237  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0238  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0239  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0240  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0241  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0242  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0243  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0244  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0245  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0246  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0247  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0248  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0249  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0250  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0251  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0252  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0253  7.380E-04  5.00  9.30  1.40
```

Modeled Onsite Sources

```
SO SRCPARAM  ON_0254  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0255  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0256  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0257  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0258  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0259  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0260  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0261  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0262  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0263  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0264  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0265  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0266  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0267  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0268  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0269  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0270  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0271  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0272  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0273  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0274  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0275  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0276  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0277  7.380E-04  5.00  9.30  1.40
```

Modeled Onsite Sources

```
SO SRCPARAM  ON_0278  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0279  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0280  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0281  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0282  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0283  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0284  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0285  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0286  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0287  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0288  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0289  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0290  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0291  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0292  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0293  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0294  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0295  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0296  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0297  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0298  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0299  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0300  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0301  7.380E-04  5.00  9.30  1.40
```

Modeled Onsite Sources

```
SO SRCPARAM  ON_0302  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0303  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0304  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0305  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0306  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0307  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0308  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0309  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0310  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0311  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0312  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0313  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0314  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0315  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0316  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0317  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0318  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0319  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0320  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0321  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0322  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0323  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0324  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0325  7.380E-04  5.00  9.30  1.40
```

Modeled Onsite Sources

```
SO SRCPARAM  ON_0326  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0327  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0328  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0329  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0330  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0331  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0332  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0333  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0334  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0335  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0336  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0337  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0338  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0339  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0340  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0341  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0342  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0343  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0344  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0345  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0346  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0347  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0348  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0349  7.380E-04  5.00  9.30  1.40
```

SO SRCPARAM ON_0350 7.380E-04 5.00 9.30 1.40
SO SRCPARAM ON_0351 7.380E-04 5.00 9.30 1.40
SO SRCPARAM ON_0352 7.380E-04 5.00 9.30 1.40
SO SRCPARAM ON_0353 7.380E-04 5.00 9.30 1.40
SO SRCPARAM ON_0354 7.380E-04 5.00 9.30 1.40
SO SRCPARAM ON_0355 7.380E-04 5.00 9.30 1.40
SO SRCPARAM ON_0356 7.380E-04 5.00 9.30 1.40
SO SRCPARAM ON_0357 7.380E-04 5.00 9.30 1.40
SO SRCPARAM ON_0358 7.380E-04 5.00 9.30 1.40
SO SRCPARAM ON_0359 7.380E-04 5.00 9.30 1.40
SO SRCPARAM ON_0360 7.380E-04 5.00 9.30 1.40
SO SRCPARAM ON_0361 7.380E-04 5.00 9.30 1.40
SO SRCPARAM ON_0362 7.380E-04 5.00 9.30 1.40
SO SRCPARAM ON_0363 7.380E-04 5.00 9.30 1.40
SO SRCPARAM ON_0364 7.380E-04 5.00 9.30 1.40
SO SRCPARAM ON_0365 7.380E-04 5.00 9.30 1.40
SO SRCPARAM ON_0366 7.380E-04 5.00 9.30 1.40
SO SRCPARAM ON_0367 7.380E-04 5.00 9.30 1.40
SO SRCPARAM ON_0368 7.380E-04 5.00 9.30 1.40
SO SRCPARAM ON_0369 7.380E-04 5.00 9.30 1.40
SO SRCPARAM ON_0370 7.380E-04 5.00 9.30 1.40
SO SRCPARAM ON_0371 7.380E-04 5.00 9.30 1.40
SO SRCPARAM ON_0372 7.380E-04 5.00 9.30 1.40
SO SRCPARAM ON_0373 7.380E-04 5.00 9.30 1.40

Modeled Onsite Sources

SO SRCPARAM ON_0374 7.380E-04 5.00 9.30 1.40
SO SRCPARAM ON_0375 7.380E-04 5.00 9.30 1.40
SO SRCPARAM ON_0376 7.380E-04 5.00 9.30 1.40
SO SRCPARAM ON_0377 7.380E-04 5.00 9.30 1.40
SO SRCPARAM ON_0378 7.380E-04 5.00 9.30 1.40
SO SRCPARAM ON_0379 7.380E-04 5.00 9.30 1.40
SO SRCPARAM ON_0380 7.380E-04 5.00 9.30 1.40
SO SRCPARAM ON_0381 7.380E-04 5.00 9.30 1.40
SO SRCPARAM ON_0382 7.380E-04 5.00 9.30 1.40
SO SRCPARAM ON_0383 7.380E-04 5.00 9.30 1.40
SO SRCPARAM ON_0384 7.380E-04 5.00 9.30 1.40
SO SRCPARAM ON_0385 7.380E-04 5.00 9.30 1.40
SO SRCPARAM ON_0386 7.380E-04 5.00 9.30 1.40
SO SRCPARAM ON_0387 7.380E-04 5.00 9.30 1.40
SO SRCPARAM ON_0388 7.380E-04 5.00 9.30 1.40
SO SRCPARAM ON_0389 7.380E-04 5.00 9.30 1.40
SO SRCPARAM ON_0390 7.380E-04 5.00 9.30 1.40
SO SRCPARAM ON_0391 7.380E-04 5.00 9.30 1.40
SO SRCPARAM ON_0392 7.380E-04 5.00 9.30 1.40
SO SRCPARAM ON_0393 7.380E-04 5.00 9.30 1.40
SO SRCPARAM ON_0394 7.380E-04 5.00 9.30 1.40
SO SRCPARAM ON_0395 7.380E-04 5.00 9.30 1.40
SO SRCPARAM ON_0396 7.380E-04 5.00 9.30 1.40
SO SRCPARAM ON_0397 7.380E-04 5.00 9.30 1.40

Modeled Onsite Sources

SO SRCPARAM ON_0398 7.380E-04 5.00 9.30 1.40
SO SRCPARAM ON_0399 7.380E-04 5.00 9.30 1.40
SO SRCPARAM ON_0400 7.380E-04 5.00 9.30 1.40
SO SRCPARAM ON_0401 7.380E-04 5.00 9.30 1.40
SO SRCPARAM ON_0402 7.380E-04 5.00 9.30 1.40
SO SRCPARAM ON_0403 7.380E-04 5.00 9.30 1.40
SO SRCPARAM ON_0404 7.380E-04 5.00 9.30 1.40
SO SRCPARAM ON_0405 7.380E-04 5.00 9.30 1.40
SO SRCPARAM ON_0406 7.380E-04 5.00 9.30 1.40
SO SRCPARAM ON_0407 7.380E-04 5.00 9.30 1.40
SO SRCPARAM ON_0408 7.380E-04 5.00 9.30 1.40
SO SRCPARAM ON_0409 7.380E-04 5.00 9.30 1.40
SO SRCPARAM ON_0410 7.380E-04 5.00 9.30 1.40
SO SRCPARAM ON_0411 7.380E-04 5.00 9.30 1.40
SO SRCPARAM ON_0412 7.380E-04 5.00 9.30 1.40
SO SRCPARAM ON_0413 7.380E-04 5.00 9.30 1.40
SO SRCPARAM ON_0414 7.380E-04 5.00 9.30 1.40
SO SRCPARAM ON_0415 7.380E-04 5.00 9.30 1.40
SO SRCPARAM ON_0416 7.380E-04 5.00 9.30 1.40
SO SRCPARAM ON_0417 7.380E-04 5.00 9.30 1.40
SO SRCPARAM ON_0418 7.380E-04 5.00 9.30 1.40
SO SRCPARAM ON_0419 7.380E-04 5.00 9.30 1.40
SO SRCPARAM ON_0420 7.380E-04 5.00 9.30 1.40
SO SRCPARAM ON_0421 7.380E-04 5.00 9.30 1.40

Modeled Onsite Sources

SO SRCPARAM ON_0422 7.380E-04 5.00 9.30 1.40
SO SRCPARAM ON_0423 7.380E-04 5.00 9.30 1.40
SO SRCPARAM ON_0424 7.380E-04 5.00 9.30 1.40
SO SRCPARAM ON_0425 7.380E-04 5.00 9.30 1.40
SO SRCPARAM ON_0426 7.380E-04 5.00 9.30 1.40
SO SRCPARAM ON_0427 7.380E-04 5.00 9.30 1.40
SO SRCPARAM ON_0428 7.380E-04 5.00 9.30 1.40
SO SRCPARAM ON_0429 7.380E-04 5.00 9.30 1.40
SO SRCPARAM ON_0430 7.380E-04 5.00 9.30 1.40
SO SRCPARAM ON_0431 7.380E-04 5.00 9.30 1.40
SO SRCPARAM ON_0432 7.380E-04 5.00 9.30 1.40
SO SRCPARAM ON_0433 7.380E-04 5.00 9.30 1.40
SO SRCPARAM ON_0434 7.380E-04 5.00 9.30 1.40
SO SRCPARAM ON_0435 7.380E-04 5.00 9.30 1.40
SO SRCPARAM ON_0436 7.380E-04 5.00 9.30 1.40
SO SRCPARAM ON_0437 7.380E-04 5.00 9.30 1.40
SO SRCPARAM ON_0438 7.380E-04 5.00 9.30 1.40
SO SRCPARAM ON_0439 7.380E-04 5.00 9.30 1.40
SO SRCPARAM ON_0440 7.380E-04 5.00 9.30 1.40
SO SRCPARAM ON_0441 7.380E-04 5.00 9.30 1.40
SO SRCPARAM ON_0442 7.380E-04 5.00 9.30 1.40
SO SRCPARAM ON_0443 7.380E-04 5.00 9.30 1.40
SO SRCPARAM ON_0444 7.380E-04 5.00 9.30 1.40
SO SRCPARAM ON_0445 7.380E-04 5.00 9.30 1.40

Modeled Onsite Sources

```
SO SRCPARAM  ON_0446  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0447  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0448  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0449  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0450  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0451  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0452  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0453  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0454  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0455  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0456  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0457  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0458  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0459  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0460  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0461  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0462  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0463  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0464  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0465  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0466  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0467  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0468  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0469  7.380E-04  5.00  9.30  1.40
```

Modeled Onsite Sources

```
SO SRCPARAM  ON_0470  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0471  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0472  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0473  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0474  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0475  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0476  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0477  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0478  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0479  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0480  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0481  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0482  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0483  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0484  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0485  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0486  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0487  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0488  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0489  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0490  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0491  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0492  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0493  7.380E-04  5.00  9.30  1.40
```

Modeled Onsite Sources

```
SO SRCPARAM  ON_0494  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0495  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0496  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0497  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0498  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0499  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0500  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0501  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0502  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0503  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0504  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0505  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0506  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0507  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0508  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0509  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0510  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0511  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0512  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0513  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0514  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0515  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0516  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0517  7.380E-04  5.00  9.30  1.40
```

Modeled Onsite Sources

```
SO SRCPARAM  ON_0518  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0519  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0520  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0521  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0522  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0523  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0524  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0525  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0526  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0527  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0528  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0529  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0530  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0531  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0532  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0533  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0534  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0535  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0536  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0537  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0538  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0539  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0540  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0541  7.380E-04  5.00  9.30  1.40
```

Modeled Onsite Sources

```
SO SRCPARAM  ON_0542  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0543  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0544  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0545  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0546  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0547  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0548  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0549  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0550  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0551  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0552  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0553  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0554  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0555  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0556  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0557  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0558  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0559  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0560  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0561  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0562  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0563  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0564  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0565  7.380E-04  5.00  9.30  1.40
```

Modeled Onsite Sources

```
SO SRCPARAM  ON_0566  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0567  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0568  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0569  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0570  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0571  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0572  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0573  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0574  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0575  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0576  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0577  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0578  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0579  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0580  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0581  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0582  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0583  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0584  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0585  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0586  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0587  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0588  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0589  7.380E-04  5.00  9.30  1.40
```

Modeled Onsite Sources

```
SO SRCPARAM  ON_0590  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0591  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0592  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0593  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0594  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0595  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0596  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0597  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0598  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0599  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0600  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0601  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0602  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0603  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0604  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0605  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0606  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0607  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0608  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0609  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0610  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0611  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0612  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0613  7.380E-04  5.00  9.30  1.40
```

Modeled Onsite Sources

```
SO SRCPARAM  ON_0614  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0615  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0616  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0617  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0618  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0619  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0620  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0621  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0622  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0623  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0624  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0625  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0626  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0627  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0628  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0629  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0630  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0631  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0632  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0633  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0634  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0635  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0636  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0637  7.380E-04  5.00  9.30  1.40
```

Modeled Onsite Sources

```
SO SRCPARAM  ON_0638  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0639  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0640  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0641  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0642  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0643  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0644  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0645  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0646  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0647  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0648  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0649  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0650  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0651  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0652  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0653  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0654  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0655  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0656  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0657  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0658  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0659  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0660  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0661  7.380E-04  5.00  9.30  1.40
```

Modeled Onsite Sources

```
SO SRCPARAM  ON_0662  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0663  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0664  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0665  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0666  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0667  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0668  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0669  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0670  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0671  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0672  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0673  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0674  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0675  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0676  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0677  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0678  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0679  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0680  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0681  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0682  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0683  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0684  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0685  7.380E-04  5.00  9.30  1.40
```

Modeled Onsite Sources

```
SO SRCPARAM  ON_0686  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0687  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0688  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0689  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0690  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0691  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0692  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0693  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0694  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0695  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0696  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0697  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0698  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0699  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0700  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0701  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0702  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0703  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0704  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0705  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0706  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0707  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0708  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0709  7.380E-04  5.00  9.30  1.40
```

Modeled Onsite Sources

```
SO SRCPARAM  ON_0710  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0711  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0712  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0713  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0714  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0715  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0716  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0717  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0718  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0719  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0720  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0721  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0722  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0723  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0724  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0725  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0726  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0727  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0728  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0729  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0730  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0731  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0732  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0733  7.380E-04  5.00  9.30  1.40
```

Modeled Onsite Sources

```
SO SRCPARAM  ON_0734  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0735  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0736  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0737  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0738  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0739  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0740  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0741  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0742  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0743  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0744  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0745  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0746  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0747  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0748  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0749  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0750  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0751  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0752  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0753  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0754  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0755  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0756  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0757  7.380E-04  5.00  9.30  1.40
```

Modeled Onsite Sources

```
SO SRCPARAM  ON_0758  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0759  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0760  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0761  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0762  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0763  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0764  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0765  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0766  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0767  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0768  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0769  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0770  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0771  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0772  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0773  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0774  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0775  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0776  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0777  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0778  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0779  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0780  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0781  7.380E-04  5.00  9.30  1.40
```

Modeled Onsite Sources

```
SO SRCPARAM  ON_0782  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0783  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0784  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0785  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0786  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0787  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0788  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0789  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0790  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0791  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0792  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0793  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0794  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0795  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0796  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0797  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0798  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0799  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0800  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0801  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0802  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0803  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0804  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0805  7.380E-04  5.00  9.30  1.40
```

Modeled Onsite Sources

```
SO SRCPARAM  ON_0806  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0807  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0808  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0809  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0810  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0811  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0812  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0813  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0814  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0815  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0816  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0817  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0818  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0819  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0820  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0821  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0822  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0823  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0824  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0825  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0826  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0827  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0828  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0829  7.380E-04  5.00  9.30  1.40
```

Modeled Onsite Sources

SO SRCPARAM ON_0830 7.380E-04 5.00 9.30 1.40
SO SRCPARAM ON_0831 7.380E-04 5.00 9.30 1.40
SO SRCPARAM ON_0832 7.380E-04 5.00 9.30 1.40
SO SRCPARAM ON_0833 7.380E-04 5.00 9.30 1.40
SO SRCPARAM ON_0834 7.380E-04 5.00 9.30 1.40
SO SRCPARAM ON_0835 7.380E-04 5.00 9.30 1.40
SO SRCPARAM ON_0836 7.380E-04 5.00 9.30 1.40
SO SRCPARAM ON_0837 7.380E-04 5.00 9.30 1.40
SO SRCPARAM ON_0838 7.380E-04 5.00 9.30 1.40
SO SRCPARAM ON_0839 7.380E-04 5.00 9.30 1.40
SO SRCPARAM ON_0840 7.380E-04 5.00 9.30 1.40
SO SRCPARAM ON_0841 7.380E-04 5.00 9.30 1.40
SO SRCPARAM ON_0842 7.380E-04 5.00 9.30 1.40
SO SRCPARAM ON_0843 7.380E-04 5.00 9.30 1.40
SO SRCPARAM ON_0844 7.380E-04 5.00 9.30 1.40
SO SRCPARAM ON_0845 7.380E-04 5.00 9.30 1.40
SO SRCPARAM ON_0846 7.380E-04 5.00 9.30 1.40
SO SRCPARAM ON_0847 7.380E-04 5.00 9.30 1.40
SO SRCPARAM ON_0848 7.380E-04 5.00 9.30 1.40
SO SRCPARAM ON_0849 7.380E-04 5.00 9.30 1.40
SO SRCPARAM ON_0850 7.380E-04 5.00 9.30 1.40
SO SRCPARAM ON_0851 7.380E-04 5.00 9.30 1.40
SO SRCPARAM ON_0852 7.380E-04 5.00 9.30 1.40
SO SRCPARAM ON_0853 7.380E-04 5.00 9.30 1.40

Modeled Onsite Sources

SO SRCPARAM ON_0854 7.380E-04 5.00 9.30 1.40
SO SRCPARAM ON_0855 7.380E-04 5.00 9.30 1.40
SO SRCPARAM ON_0856 7.380E-04 5.00 9.30 1.40
SO SRCPARAM ON_0857 7.380E-04 5.00 9.30 1.40
SO SRCPARAM ON_0858 7.380E-04 5.00 9.30 1.40
SO SRCPARAM ON_0859 7.380E-04 5.00 9.30 1.40
SO SRCPARAM ON_0860 7.380E-04 5.00 9.30 1.40
SO SRCPARAM ON_0861 7.380E-04 5.00 9.30 1.40
SO SRCPARAM ON_0862 7.380E-04 5.00 9.30 1.40
SO SRCPARAM ON_0863 7.380E-04 5.00 9.30 1.40
SO SRCPARAM ON_0864 7.380E-04 5.00 9.30 1.40
SO SRCPARAM ON_0865 7.380E-04 5.00 9.30 1.40
SO SRCPARAM ON_0866 7.380E-04 5.00 9.30 1.40
SO SRCPARAM ON_0867 7.380E-04 5.00 9.30 1.40
SO SRCPARAM ON_0868 7.380E-04 5.00 9.30 1.40
SO SRCPARAM ON_0869 7.380E-04 5.00 9.30 1.40
SO SRCPARAM ON_0870 7.380E-04 5.00 9.30 1.40
SO SRCPARAM ON_0871 7.380E-04 5.00 9.30 1.40
SO SRCPARAM ON_0872 7.380E-04 5.00 9.30 1.40
SO SRCPARAM ON_0873 7.380E-04 5.00 9.30 1.40
SO SRCPARAM ON_0874 7.380E-04 5.00 9.30 1.40
SO SRCPARAM ON_0875 7.380E-04 5.00 9.30 1.40
SO SRCPARAM ON_0876 7.380E-04 5.00 9.30 1.40
SO SRCPARAM ON_0877 7.380E-04 5.00 9.30 1.40

Modeled Onsite Sources

SO SRCPARAM ON_0878 7.380E-04 5.00 9.30 1.40
SO SRCPARAM ON_0879 7.380E-04 5.00 9.30 1.40
SO SRCPARAM ON_0880 7.380E-04 5.00 9.30 1.40
SO SRCPARAM ON_0881 7.380E-04 5.00 9.30 1.40
SO SRCPARAM ON_0882 7.380E-04 5.00 9.30 1.40
SO SRCPARAM ON_0883 7.380E-04 5.00 9.30 1.40
SO SRCPARAM ON_0884 7.380E-04 5.00 9.30 1.40
SO SRCPARAM ON_0885 7.380E-04 5.00 9.30 1.40
SO SRCPARAM ON_0886 7.380E-04 5.00 9.30 1.40
SO SRCPARAM ON_0887 7.380E-04 5.00 9.30 1.40
SO SRCPARAM ON_0888 7.380E-04 5.00 9.30 1.40
SO SRCPARAM ON_0889 7.380E-04 5.00 9.30 1.40
SO SRCPARAM ON_0890 7.380E-04 5.00 9.30 1.40
SO SRCPARAM ON_0891 7.380E-04 5.00 9.30 1.40
SO SRCPARAM ON_0892 7.380E-04 5.00 9.30 1.40
SO SRCPARAM ON_0893 7.380E-04 5.00 9.30 1.40
SO SRCPARAM ON_0894 7.380E-04 5.00 9.30 1.40
SO SRCPARAM ON_0895 7.380E-04 5.00 9.30 1.40
SO SRCPARAM ON_0896 7.380E-04 5.00 9.30 1.40
SO SRCPARAM ON_0897 7.380E-04 5.00 9.30 1.40
SO SRCPARAM ON_0898 7.380E-04 5.00 9.30 1.40
SO SRCPARAM ON_0899 7.380E-04 5.00 9.30 1.40
SO SRCPARAM ON_0900 7.380E-04 5.00 9.30 1.40
SO SRCPARAM ON_0901 7.380E-04 5.00 9.30 1.40

Modeled Onsite Sources

SO SRCPARAM ON_0902 7.380E-04 5.00 9.30 1.40
SO SRCPARAM ON_0903 7.380E-04 5.00 9.30 1.40
SO SRCPARAM ON_0904 7.380E-04 5.00 9.30 1.40
SO SRCPARAM ON_0905 7.380E-04 5.00 9.30 1.40
SO SRCPARAM ON_0906 7.380E-04 5.00 9.30 1.40
SO SRCPARAM ON_0907 7.380E-04 5.00 9.30 1.40
SO SRCPARAM ON_0908 7.380E-04 5.00 9.30 1.40
SO SRCPARAM ON_0909 7.380E-04 5.00 9.30 1.40
SO SRCPARAM ON_0910 7.380E-04 5.00 9.30 1.40
SO SRCPARAM ON_0911 7.380E-04 5.00 9.30 1.40
SO SRCPARAM ON_0912 7.380E-04 5.00 9.30 1.40
SO SRCPARAM ON_0913 7.380E-04 5.00 9.30 1.40
SO SRCPARAM ON_0914 7.380E-04 5.00 9.30 1.40
SO SRCPARAM ON_0915 7.380E-04 5.00 9.30 1.40
SO SRCPARAM ON_0916 7.380E-04 5.00 9.30 1.40
SO SRCPARAM ON_0917 7.380E-04 5.00 9.30 1.40
SO SRCPARAM ON_0918 7.380E-04 5.00 9.30 1.40
SO SRCPARAM ON_0919 7.380E-04 5.00 9.30 1.40
SO SRCPARAM ON_0920 7.380E-04 5.00 9.30 1.40
SO SRCPARAM ON_0921 7.380E-04 5.00 9.30 1.40
SO SRCPARAM ON_0922 7.380E-04 5.00 9.30 1.40
SO SRCPARAM ON_0923 7.380E-04 5.00 9.30 1.40
SO SRCPARAM ON_0924 7.380E-04 5.00 9.30 1.40
SO SRCPARAM ON_0925 7.380E-04 5.00 9.30 1.40

Modeled Onsite Sources

```
SO SRCPARAM  ON_0926  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0927  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0928  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0929  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0930  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0931  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0932  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0933  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0934  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0935  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0936  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0937  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0938  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0939  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0940  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0941  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0942  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0943  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0944  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0945  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0946  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0947  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0948  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0949  7.380E-04  5.00  9.30  1.40
```

Modeled Onsite Sources

```
SO SRCPARAM  ON_0950  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0951  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0952  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0953  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0954  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0955  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0956  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0957  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0958  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0959  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0960  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0961  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0962  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0963  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0964  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0965  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0966  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0967  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0968  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0969  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0970  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0971  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0972  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0973  7.380E-04  5.00  9.30  1.40
```

Modeled Onsite Sources

```
SO SRCPARAM  ON_0974  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0975  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0976  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0977  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0978  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0979  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0980  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0981  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0982  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0983  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0984  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0985  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0986  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0987  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0988  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0989  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0990  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0991  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0992  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0993  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0994  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0995  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0996  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0997  7.380E-04  5.00  9.30  1.40
```

Modeled Onsite Sources

```
SO SRCPARAM  ON_0998  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_0999  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1000  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1001  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1002  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1003  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1004  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1005  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1006  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1007  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1008  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1009  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1010  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1011  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1012  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1013  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1014  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1015  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1016  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1017  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1018  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1019  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1020  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1021  7.380E-04  5.00  9.30  1.40
```

Modeled Onsite Sources

SO SRCPARAM ON_1022 7.380E-04 5.00 9.30 1.40

SO SRCPARAM ON_1023 7.380E-04 5.00 9.30 1.40

SO SRCPARAM ON_1024 7.380E-04 5.00 9.30 1.40

SO SRCPARAM ON_1025 7.380E-04 5.00 9.30 1.40

SO SRCPARAM ON_1026 7.380E-04 5.00 9.30 1.40

SO SRCPARAM ON_1027 7.380E-04 5.00 9.30 1.40

SO SRCPARAM ON_1028 7.380E-04 5.00 9.30 1.40

SO SRCPARAM ON_1029 7.380E-04 5.00 9.30 1.40

SO SRCPARAM ON_1030 7.380E-04 5.00 9.30 1.40

SO SRCPARAM ON_1031 7.380E-04 5.00 9.30 1.40

SO SRCPARAM ON_1032 7.380E-04 5.00 9.30 1.40

SO SRCPARAM ON_1033 7.380E-04 5.00 9.30 1.40

SO SRCPARAM ON_1034 7.380E-04 5.00 9.30 1.40

SO SRCPARAM ON_1035 7.380E-04 5.00 9.30 1.40

SO SRCPARAM ON_1036 7.380E-04 5.00 9.30 1.40

SO SRCPARAM ON_1037 7.380E-04 5.00 9.30 1.40

SO SRCPARAM ON_1038 7.380E-04 5.00 9.30 1.40

SO SRCPARAM ON_1039 7.380E-04 5.00 9.30 1.40

SO SRCPARAM ON_1040 7.380E-04 5.00 9.30 1.40

SO SRCPARAM ON_1041 7.380E-04 5.00 9.30 1.40

SO SRCPARAM ON_1042 7.380E-04 5.00 9.30 1.40

SO SRCPARAM ON_1043 7.380E-04 5.00 9.30 1.40

SO SRCPARAM ON_1044 7.380E-04 5.00 9.30 1.40

SO SRCPARAM ON_1045 7.380E-04 5.00 9.30 1.40

Modeled Onsite Sources

SO SRCPARAM ON_1046 7.380E-04 5.00 9.30 1.40

SO SRCPARAM ON_1047 7.380E-04 5.00 9.30 1.40

SO SRCPARAM ON_1048 7.380E-04 5.00 9.30 1.40

SO SRCPARAM ON_1049 7.380E-04 5.00 9.30 1.40

SO SRCPARAM ON_1050 7.380E-04 5.00 9.30 1.40

SO SRCPARAM ON_1051 7.380E-04 5.00 9.30 1.40

SO SRCPARAM ON_1052 7.380E-04 5.00 9.30 1.40

SO SRCPARAM ON_1053 7.380E-04 5.00 9.30 1.40

SO SRCPARAM ON_1054 7.380E-04 5.00 9.30 1.40

SO SRCPARAM ON_1055 7.380E-04 5.00 9.30 1.40

SO SRCPARAM ON_1056 7.380E-04 5.00 9.30 1.40

SO SRCPARAM ON_1057 7.380E-04 5.00 9.30 1.40

SO SRCPARAM ON_1058 7.380E-04 5.00 9.30 1.40

SO SRCPARAM ON_1059 7.380E-04 5.00 9.30 1.40

SO SRCPARAM ON_1060 7.380E-04 5.00 9.30 1.40

SO SRCPARAM ON_1061 7.380E-04 5.00 9.30 1.40

SO SRCPARAM ON_1062 7.380E-04 5.00 9.30 1.40

SO SRCPARAM ON_1063 7.380E-04 5.00 9.30 1.40

SO SRCPARAM ON_1064 7.380E-04 5.00 9.30 1.40

SO SRCPARAM ON_1065 7.380E-04 5.00 9.30 1.40

SO SRCPARAM ON_1066 7.380E-04 5.00 9.30 1.40

SO SRCPARAM ON_1067 7.380E-04 5.00 9.30 1.40

SO SRCPARAM ON_1068 7.380E-04 5.00 9.30 1.40

SO SRCPARAM ON_1069 7.380E-04 5.00 9.30 1.40

Modeled Onsite Sources

SO SRCPARAM ON_1070 7.380E-04 5.00 9.30 1.40

SO SRCPARAM ON_1071 7.380E-04 5.00 9.30 1.40

SO SRCPARAM ON_1072 7.380E-04 5.00 9.30 1.40

SO SRCPARAM ON_1073 7.380E-04 5.00 9.30 1.40

SO SRCPARAM ON_1074 7.380E-04 5.00 9.30 1.40

SO SRCPARAM ON_1075 7.380E-04 5.00 9.30 1.40

SO SRCPARAM ON_1076 7.380E-04 5.00 9.30 1.40

SO SRCPARAM ON_1077 7.380E-04 5.00 9.30 1.40

SO SRCPARAM ON_1078 7.380E-04 5.00 9.30 1.40

SO SRCPARAM ON_1079 7.380E-04 5.00 9.30 1.40

SO SRCPARAM ON_1080 7.380E-04 5.00 9.30 1.40

SO SRCPARAM ON_1081 7.380E-04 5.00 9.30 1.40

SO SRCPARAM ON_1082 7.380E-04 5.00 9.30 1.40

SO SRCPARAM ON_1083 7.380E-04 5.00 9.30 1.40

SO SRCPARAM ON_1084 7.380E-04 5.00 9.30 1.40

SO SRCPARAM ON_1085 7.380E-04 5.00 9.30 1.40

SO SRCPARAM ON_1086 7.380E-04 5.00 9.30 1.40

SO SRCPARAM ON_1087 7.380E-04 5.00 9.30 1.40

SO SRCPARAM ON_1088 7.380E-04 5.00 9.30 1.40

SO SRCPARAM ON_1089 7.380E-04 5.00 9.30 1.40

SO SRCPARAM ON_1090 7.380E-04 5.00 9.30 1.40

SO SRCPARAM ON_1091 7.380E-04 5.00 9.30 1.40

SO SRCPARAM ON_1092 7.380E-04 5.00 9.30 1.40

SO SRCPARAM ON_1093 7.380E-04 5.00 9.30 1.40

Modeled Onsite Sources

SO SRCPARAM ON_1094 7.380E-04 5.00 9.30 1.40

SO SRCPARAM ON_1095 7.380E-04 5.00 9.30 1.40

SO SRCPARAM ON_1096 7.380E-04 5.00 9.30 1.40

SO SRCPARAM ON_1097 7.380E-04 5.00 9.30 1.40

SO SRCPARAM ON_1098 7.380E-04 5.00 9.30 1.40

SO SRCPARAM ON_1099 7.380E-04 5.00 9.30 1.40

SO SRCPARAM ON_1100 7.380E-04 5.00 9.30 1.40

SO SRCPARAM ON_1101 7.380E-04 5.00 9.30 1.40

SO SRCPARAM ON_1102 7.380E-04 5.00 9.30 1.40

SO SRCPARAM ON_1103 7.380E-04 5.00 9.30 1.40

SO SRCPARAM ON_1104 7.380E-04 5.00 9.30 1.40

SO SRCPARAM ON_1105 7.380E-04 5.00 9.30 1.40

SO SRCPARAM ON_1106 7.380E-04 5.00 9.30 1.40

SO SRCPARAM ON_1107 7.380E-04 5.00 9.30 1.40

SO SRCPARAM ON_1108 7.380E-04 5.00 9.30 1.40

SO SRCPARAM ON_1109 7.380E-04 5.00 9.30 1.40

SO SRCPARAM ON_1110 7.380E-04 5.00 9.30 1.40

SO SRCPARAM ON_1111 7.380E-04 5.00 9.30 1.40

SO SRCPARAM ON_1112 7.380E-04 5.00 9.30 1.40

SO SRCPARAM ON_1113 7.380E-04 5.00 9.30 1.40

SO SRCPARAM ON_1114 7.380E-04 5.00 9.30 1.40

SO SRCPARAM ON_1115 7.380E-04 5.00 9.30 1.40

SO SRCPARAM ON_1116 7.380E-04 5.00 9.30 1.40

SO SRCPARAM ON_1117 7.380E-04 5.00 9.30 1.40

Modeled Onsite Sources

```
SO SRCPARAM  ON_1118  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1119  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1120  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1121  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1122  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1123  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1124  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1125  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1126  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1127  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1128  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1129  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1130  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1131  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1132  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1133  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1134  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1135  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1136  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1137  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1138  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1139  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1140  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1141  7.380E-04  5.00  9.30  1.40
```

Modeled Onsite Sources

```
SO SRCPARAM  ON_1142  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1143  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1144  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1145  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1146  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1147  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1148  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1149  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1150  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1151  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1152  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1153  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1154  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1155  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1156  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1157  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1158  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1159  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1160  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1161  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1162  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1163  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1164  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1165  7.380E-04  5.00  9.30  1.40
```

Modeled Onsite Sources

```
SO SRCPARAM  ON_1166  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1167  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1168  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1169  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1170  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1171  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1172  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1173  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1174  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1175  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1176  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1177  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1178  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1179  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1180  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1181  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1182  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1183  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1184  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1185  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1186  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1187  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1188  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1189  7.380E-04  5.00  9.30  1.40
```

Modeled Onsite Sources

```
SO SRCPARAM  ON_1190  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1191  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1192  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1193  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1194  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1195  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1196  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1197  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1198  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1199  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1200  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1201  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1202  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1203  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1204  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1205  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1206  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1207  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1208  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1209  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1210  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1211  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1212  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1213  7.380E-04  5.00  9.30  1.40
```

Modeled Onsite Sources

```
SO SRCPARAM  ON_1214  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1215  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1216  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1217  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1218  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1219  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1220  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1221  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1222  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1223  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1224  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1225  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1226  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1227  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1228  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1229  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1230  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1231  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1232  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1233  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1234  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1235  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1236  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1237  7.380E-04  5.00  9.30  1.40
```

Modeled Onsite Sources

```
SO SRCPARAM  ON_1238  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1239  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1240  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1241  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1242  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1243  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1244  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1245  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1246  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1247  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1248  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1249  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1250  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1251  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1252  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1253  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1254  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1255  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1256  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1257  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1258  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1259  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1260  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1261  7.380E-04  5.00  9.30  1.40
```

Modeled Onsite Sources

```
SO SRCPARAM  ON_1262  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1263  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1264  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1265  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1266  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1267  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1268  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1269  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1270  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1271  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1272  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1273  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1274  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1275  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1276  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1277  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1278  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1279  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1280  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1281  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1282  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1283  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1284  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1285  7.380E-04  5.00  9.30  1.40
```

Modeled Onsite Sources

```
SO SRCPARAM  ON_1286  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1287  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1288  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1289  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1290  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1291  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1292  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1293  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1294  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1295  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1296  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1297  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1298  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1299  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1300  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1301  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1302  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1303  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1304  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1305  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1306  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1307  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1308  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1309  7.380E-04  5.00  9.30  1.40
```

Modeled Onsite Sources

```
SO SRCPARAM  ON_1310  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1311  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1312  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1313  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1314  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1315  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1316  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1317  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1318  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1319  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1320  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1321  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1322  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1323  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1324  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1325  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1326  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1327  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1328  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1329  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1330  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1331  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1332  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1333  7.380E-04  5.00  9.30  1.40
```

Modeled Onsite Sources

```
SO SRCPARAM  ON_1334  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1335  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1336  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1337  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1338  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1339  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1340  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1341  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1342  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1343  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1344  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1345  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1346  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1347  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1348  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1349  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1350  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1351  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1352  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1353  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1354  7.380E-04  5.00  9.30  1.40
SO SRCPARAM  ON_1355  7.380E-04  5.00  9.30  1.40
```

Modeled Haul Sources

```
SO LOCATION  SB_001  VOLUME  610815.85  4199727.35  39.58
SO LOCATION  SB_002  VOLUME  610812.44  4199735.67  39.54
SO LOCATION  SB_003  VOLUME  610809.03  4199744.00  39.51
SO LOCATION  SB_004  VOLUME  610805.62  4199752.33  39.48
SO LOCATION  SB_005  VOLUME  610802.20  4199760.66  39.48
SO LOCATION  SB_006  VOLUME  610798.83  4199769.01  39.47
SO LOCATION  SB_007  VOLUME  610795.56  4199777.39  39.47
SO LOCATION  SB_008  VOLUME  610792.29  4199785.77  39.49
SO LOCATION  SB_009  VOLUME  610789.02  4199794.16  39.47
SO LOCATION  SB_010  VOLUME  610785.75  4199802.54  39.42
SO LOCATION  SB_011  VOLUME  610782.48  4199810.93  39.39
SO LOCATION  SB_012  VOLUME  610779.21  4199819.31  39.37
SO LOCATION  SB_013  VOLUME  610775.93  4199827.70  39.3
SO LOCATION  SB_014  VOLUME  610772.66  4199836.08  39.27
SO LOCATION  SB_015  VOLUME  610769.39  4199844.47  39.25
SO LOCATION  SB_016  VOLUME  610766.12  4199852.85  39.26
SO LOCATION  SB_017  VOLUME  610762.85  4199861.23  39.29
SO LOCATION  SB_018  VOLUME  610759.58  4199869.62  39.19
SO LOCATION  SB_019  VOLUME  610756.31  4199878.00  38.98
SO LOCATION  SB_020  VOLUME  610753.04  4199886.39  38.78
SO LOCATION  SB_021  VOLUME  610749.91  4199894.83  38.74
SO LOCATION  SB_022  VOLUME  610746.87  4199903.30  38.83
SO LOCATION  SB_023  VOLUME  610743.83  4199911.77  38.98
SO LOCATION  SB_024  VOLUME  610740.79  4199920.24  39.13
```

Modeled Haul Sources

```
SO LOCATION  SB_025  VOLUME  610737.75  4199928.71  39.28
SO LOCATION  SB_026  VOLUME  610734.71  4199937.18  39.46
SO LOCATION  SB_027  VOLUME  610731.68  4199945.65  39.62
SO LOCATION  SB_028  VOLUME  610728.64  4199954.13  39.77
SO LOCATION  SB_029  VOLUME  610725.60  4199962.60  39.95
SO LOCATION  SB_030  VOLUME  610722.56  4199971.07  40.12
SO LOCATION  SB_031  VOLUME  610719.52  4199979.54  40.28
SO LOCATION  SB_032  VOLUME  610716.27  4199987.93  40.38
SO LOCATION  SB_033  VOLUME  610712.92  4199996.28  40.48
SO LOCATION  SB_034  VOLUME  610709.57  4200004.64  40.53
SO LOCATION  SB_035  VOLUME  610706.22  4200012.99  40.49
SO LOCATION  SB_036  VOLUME  610702.87  4200021.34  40.45
SO LOCATION  SB_037  VOLUME  610699.52  4200029.70  40.35
SO LOCATION  SB_038  VOLUME  610696.17  4200038.05  40.27
SO LOCATION  SB_039  VOLUME  610692.82  4200046.40  40.21
SO LOCATION  SB_040  VOLUME  610689.47  4200054.76  40.1
SO LOCATION  SB_041  VOLUME  610686.12  4200063.11  40.02
SO LOCATION  SB_042  VOLUME  610682.77  4200071.46  39.96
SO LOCATION  SB_043  VOLUME  610679.42  4200079.82  39.91
SO LOCATION  SB_044  VOLUME  610676.07  4200088.17  39.89
SO LOCATION  SB_045  VOLUME  610672.72  4200096.52  39.85
SO LOCATION  SB_046  VOLUME  610669.37  4200104.88  39.88
SO LOCATION  SB_047  VOLUME  610666.01  4200113.23  39.91
SO LOCATION  SB_048  VOLUME  610662.66  4200121.58  39.95
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Modeled Haul Sources

SO LOCATION SB_049 VOLUME 610659.31 4200129.93 39.98

SO LOCATION SB_050 VOLUME 610655.96 4200138.29 40.03

SO LOCATION SB_051 VOLUME 610652.61 4200146.64 40.15

SO LOCATION SB_052 VOLUME 610649.26 4200154.99 40.18

SO LOCATION SB_053 VOLUME 610645.91 4200163.35 40.21

SO LOCATION SB_054 VOLUME 610642.56 4200171.70 40.25

SO LOCATION SB_055 VOLUME 610639.21 4200180.05 40.3

SO LOCATION SB_056 VOLUME 610635.86 4200188.40 40.34

SO LOCATION SB_057 VOLUME 610632.50 4200196.76 40.36

SO LOCATION SB_058 VOLUME 610629.15 4200205.11 40.39

SO LOCATION SB_059 VOLUME 610625.80 4200213.46 40.42

SO LOCATION SB_060 VOLUME 610622.45 4200221.82 40.43

SO LOCATION SB_061 VOLUME 610619.10 4200230.17 40.43

SO LOCATION SB_062 VOLUME 610615.75 4200238.52 40.44

SO LOCATION SB_063 VOLUME 610612.40 4200246.88 40.46

SO LOCATION SB_064 VOLUME 610609.05 4200255.23 40.48

SO LOCATION SB_065 VOLUME 610605.70 4200263.58 40.5

SO LOCATION SB_066 VOLUME 610602.35 4200271.93 40.53

SO LOCATION SB_067 VOLUME 610598.99 4200280.29 40.53

SO LOCATION SB_068 VOLUME 610595.64 4200288.64 40.54

SO LOCATION SB_069 VOLUME 610592.30 4200297.00 40.55

SO LOCATION SB_070 VOLUME 610588.97 4200305.36 40.58

SO LOCATION SB_071 VOLUME 610585.64 4200313.72 40.61

SO LOCATION SB_072 VOLUME 610582.24 4200322.05 40.65

Modeled Haul Sources

SO LOCATION SB_073 VOLUME 610578.83 4200330.38 40.68

SO LOCATION SB_074 VOLUME 610575.42 4200338.71 40.71

SO LOCATION SB_075 VOLUME 610572.01 4200347.04 40.77

SO LOCATION SB_076 VOLUME 610568.60 4200355.37 40.84

SO LOCATION SB_077 VOLUME 610565.20 4200363.70 40.9

SO LOCATION SB_078 VOLUME 610561.79 4200372.03 40.94

SO LOCATION SB_079 VOLUME 610558.46 4200380.39 40.99

SO LOCATION SB_080 VOLUME 610555.15 4200388.76 41.02

SO LOCATION SB_081 VOLUME 610551.84 4200397.13 41.07

SO LOCATION SB_082 VOLUME 610548.53 4200405.50 41.14

SO LOCATION SB_083 VOLUME 610545.22 4200413.87 41.2

SO LOCATION SB_084 VOLUME 610541.90 4200422.23 41.2

SO LOCATION SB_085 VOLUME 610538.59 4200430.60 41.24

SO LOCATION SB_086 VOLUME 610535.28 4200438.97 41.3

SO LOCATION SB_087 VOLUME 610531.97 4200447.34 41.35

SO LOCATION SB_088 VOLUME 610528.66 4200455.71 41.38

SO LOCATION SB_089 VOLUME 610525.35 4200464.08 41.4

SO LOCATION SB_090 VOLUME 610522.03 4200472.45 41.45

SO LOCATION SB_091 VOLUME 610518.72 4200480.81 41.49

SO LOCATION SB_092 VOLUME 610515.41 4200489.18 41.51

SO LOCATION SB_093 VOLUME 610512.10 4200497.55 41.54

SO LOCATION SB_094 VOLUME 610508.79 4200505.92 41.58

SO LOCATION SB_095 VOLUME 610505.48 4200514.29 41.6

SO LOCATION SB_096 VOLUME 610502.16 4200522.66 41.6

Modeled Haul Sources

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SO LOCATION SB_098 VOLUME 610495.54 4200539.39 41.62

SO LOCATION SB_099 VOLUME 610492.23 4200547.76 41.65

SO LOCATION SB_100 VOLUME 610488.92 4200556.13 41.68

SO LOCATION SB_101 VOLUME 610485.61 4200564.50 41.69

SO LOCATION SB_102 VOLUME 610482.30 4200572.87 41.69

SO LOCATION SB_103 VOLUME 610478.98 4200581.24 41.71

SO LOCATION SB_104 VOLUME 610475.67 4200589.61 41.71

SO LOCATION SB_105 VOLUME 610472.36 4200597.97 41.75

SO LOCATION SB_106 VOLUME 610469.05 4200606.34 41.77

SO LOCATION SB_107 VOLUME 610465.74 4200614.71 41.74

SO LOCATION SB_108 VOLUME 610462.43 4200623.08 41.75

SO LOCATION SB_109 VOLUME 610459.11 4200631.45 41.75

SO LOCATION SB_110 VOLUME 610455.80 4200639.82 41.76

SO LOCATION SB_111 VOLUME 610452.49 4200648.19 41.72

SO LOCATION SB_112 VOLUME 610449.18 4200656.55 41.66

SO LOCATION SB_113 VOLUME 610445.87 4200664.92 41.59

SO LOCATION SB_114 VOLUME 610442.54 4200673.28 41.46

SO LOCATION SB_115 VOLUME 610439.20 4200681.64 41.25

SO LOCATION SB_116 VOLUME 610435.87 4200690.00 40.96

SO LOCATION SB_117 VOLUME 610432.58 4200698.38 40.7

SO LOCATION SB_118 VOLUME 610429.38 4200706.79 40.39

SO LOCATION SB_119 VOLUME 610426.18 4200715.21 39.59

SO LOCATION SB_120 VOLUME 610422.98 4200723.62 39.12

Modeled Haul Sources

SO LOCATION SB_121 VOLUME 610419.79 4200732.03 39.73

SO LOCATION SB_122 VOLUME 610416.59 4200740.44 40.7

SO LOCATION SB_123 VOLUME 610413.39 4200748.86 41.04

SO LOCATION SB_124 VOLUME 610410.19 4200757.27 41.31

SO LOCATION SB_125 VOLUME 610406.99 4200765.68 41.53

SO LOCATION SB_126 VOLUME 610403.79 4200774.09 41.67

SO LOCATION SB_127 VOLUME 610400.59 4200782.50 41.78

SO LOCATION SB_128 VOLUME 610397.39 4200790.92 41.86

SO LOCATION SB_129 VOLUME 610394.19 4200799.33 41.92

SO LOCATION SB_130 VOLUME 610391.14 4200807.80 41.96

SO LOCATION SB_131 VOLUME 610388.09 4200816.26 41.99

SO LOCATION SB_132 VOLUME 610385.04 4200824.73 42.02

SO LOCATION SB_133 VOLUME 610381.98 4200833.20 42.05

SO LOCATION SB_134 VOLUME 610378.93 4200841.66 42.08

SO LOCATION SB_135 VOLUME 610375.88 4200850.13 42.11

SO LOCATION SB_136 VOLUME 610372.83 4200858.60 42.14

SO LOCATION SB_137 VOLUME 610369.78 4200867.06 42.18

SO LOCATION SB_138 VOLUME 610366.72 4200875.53 42.21

SO LOCATION SB_139 VOLUME 610363.67 4200884.00 42.23

SO LOCATION SB_140 VOLUME 610360.62 4200892.46 42.27

SO LOCATION SB_141 VOLUME 610357.66 4200900.96 42.3

SO LOCATION SB_142 VOLUME 610354.71 4200909.47 42.31

SO LOCATION SB_143 VOLUME 610351.77 4200917.97 42.33

SO LOCATION SB_144 VOLUME 610348.93 4200926.51 42.38

Modeled Haul Sources

SO LOCATION SB_145 VOLUME 610346.51 4200935.18 42.4

SO LOCATION SB_146 VOLUME 610344.09 4200943.84 42.41

SO LOCATION SB_147 VOLUME 610341.67 4200952.51 42.43

SO LOCATION SB_148 VOLUME 610339.25 4200961.18 42.44

SO LOCATION SB_149 VOLUME 610337.17 4200969.94 42.44

SO LOCATION SB_150 VOLUME 610335.25 4200978.73 42.44

SO LOCATION SB_151 VOLUME 610333.32 4200987.52 42.45

SO LOCATION SB_152 VOLUME 610331.39 4200996.31 42.46

SO LOCATION NB_001 VOLUME 610293.07 4200994.18 42.76

SO LOCATION NB_002 VOLUME 610295.30 4200985.46 42.8

SO LOCATION NB_003 VOLUME 610297.52 4200976.74 42.75

SO LOCATION NB_004 VOLUME 610299.75 4200968.02 42.73

SO LOCATION NB_005 VOLUME 610301.98 4200959.30 42.72

SO LOCATION NB_006 VOLUME 610304.20 4200950.58 42.71

SO LOCATION NB_007 VOLUME 610306.43 4200941.86 42.7

SO LOCATION NB_008 VOLUME 610308.66 4200933.14 42.68

SO LOCATION NB_009 VOLUME 610310.88 4200924.42 42.63

SO LOCATION NB_010 VOLUME 610313.11 4200915.70 42.62

SO LOCATION NB_011 VOLUME 610315.34 4200906.98 42.61

SO LOCATION NB_012 VOLUME 610317.56 4200898.26 42.59

SO LOCATION NB_013 VOLUME 610319.79 4200889.54 42.55

SO LOCATION NB_014 VOLUME 610322.02 4200880.82 42.52

SO LOCATION NB_015 VOLUME 610324.24 4200872.10 42.49

SO LOCATION NB_016 VOLUME 610326.47 4200863.38 42.44

Modeled Haul Sources

SO LOCATION NB_017 VOLUME 610328.69 4200854.66 42.43

SO LOCATION NB_018 VOLUME 610330.92 4200845.94 42.41

SO LOCATION NB_019 VOLUME 610333.35 4200837.28 42.37

SO LOCATION NB_020 VOLUME 610336.72 4200828.94 42.33

SO LOCATION NB_021 VOLUME 610340.10 4200820.60 42.33

SO LOCATION NB_022 VOLUME 610343.48 4200812.26 42.29

SO LOCATION NB_023 VOLUME 610346.85 4200803.91 42.25

SO LOCATION NB_024 VOLUME 610350.23 4200795.57 42.23

SO LOCATION NB_025 VOLUME 610353.61 4200787.23 42.21

SO LOCATION NB_026 VOLUME 610356.99 4200778.88 42.16

SO LOCATION NB_027 VOLUME 610360.36 4200770.54 42.13

SO LOCATION NB_028 VOLUME 610363.74 4200762.20 42.11

SO LOCATION NB_029 VOLUME 610367.12 4200753.86 42.1

SO LOCATION NB_030 VOLUME 610370.49 4200745.51 42.07

SO LOCATION NB_031 VOLUME 610373.87 4200737.17 42.03

SO LOCATION NB_032 VOLUME 610377.25 4200728.83 41.99

SO LOCATION NB_033 VOLUME 610380.62 4200720.49 42.04

SO LOCATION NB_034 VOLUME 610384.00 4200712.14 41.97

SO LOCATION NB_035 VOLUME 610387.38 4200703.80 41.19

SO LOCATION NB_036 VOLUME 610390.67 4200695.43 39.92

SO LOCATION NB_037 VOLUME 610393.88 4200687.02 38.99

SO LOCATION NB_038 VOLUME 610397.09 4200678.61 40.38

SO LOCATION NB_039 VOLUME 610400.30 4200670.20 41.75

SO LOCATION NB_040 VOLUME 610403.51 4200661.79 42.06

Modeled Haul Sources

SO LOCATION NB_041 VOLUME 610406.72 4200653.39 42.07

SO LOCATION NB_042 VOLUME 610409.93 4200644.98 42.04

SO LOCATION NB_043 VOLUME 610413.14 4200636.57 42.05

SO LOCATION NB_044 VOLUME 610416.35 4200628.16 42.08

SO LOCATION NB_045 VOLUME 610419.56 4200619.75 42.11

SO LOCATION NB_046 VOLUME 610422.77 4200611.35 42.12

SO LOCATION NB_047 VOLUME 610425.98 4200602.94 42.1

SO LOCATION NB_048 VOLUME 610429.19 4200594.53 42.09

SO LOCATION NB_049 VOLUME 610432.40 4200586.12 42.12

SO LOCATION NB_050 VOLUME 610435.61 4200577.71 42.12

SO LOCATION NB_051 VOLUME 610438.82 4200569.31 42.11

SO LOCATION NB_052 VOLUME 610442.03 4200560.90 42.13

SO LOCATION NB_053 VOLUME 610445.24 4200552.49 42.12

SO LOCATION NB_054 VOLUME 610448.45 4200544.08 42.09

SO LOCATION NB_055 VOLUME 610451.66 4200535.67 42.06

SO LOCATION NB_056 VOLUME 610454.87 4200527.27 42.09

SO LOCATION NB_057 VOLUME 610458.08 4200518.86 42.09

SO LOCATION NB_058 VOLUME 610461.59 4200510.57 42.06

SO LOCATION NB_059 VOLUME 610465.14 4200502.30 42.04

SO LOCATION NB_060 VOLUME 610468.68 4200494.03 42.1

SO LOCATION NB_061 VOLUME 610472.23 4200485.75 42.05

SO LOCATION NB_062 VOLUME 610475.77 4200477.48 42.02

SO LOCATION NB_063 VOLUME 610479.32 4200469.21 42.04

SO LOCATION NB_064 VOLUME 610482.86 4200460.94 42.05

Modeled Haul Sources

SO LOCATION NB_065 VOLUME 610486.41 4200452.66 42.01

SO LOCATION NB_066 VOLUME 610489.95 4200444.39 41.97

SO LOCATION NB_067 VOLUME 610493.50 4200436.12 41.94

SO LOCATION NB_068 VOLUME 610497.04 4200427.85 41.9

SO LOCATION NB_069 VOLUME 610500.59 4200419.58 41.87

SO LOCATION NB_070 VOLUME 610504.13 4200411.30 41.84

SO LOCATION NB_071 VOLUME 610507.68 4200403.03 41.8

SO LOCATION NB_072 VOLUME 610511.22 4200394.76 41.76

SO LOCATION NB_073 VOLUME 610514.77 4200386.49 41.71

SO LOCATION NB_074 VOLUME 610518.31 4200378.21 41.64

SO LOCATION NB_075 VOLUME 610521.86 4200369.94 41.61

SO LOCATION NB_076 VOLUME 610525.41 4200361.67 41.6

SO LOCATION NB_077 VOLUME 610528.95 4200353.40 41.53

SO LOCATION NB_078 VOLUME 610532.50 4200345.12 41.46

SO LOCATION NB_079 VOLUME 610536.04 4200336.85 41.4

SO LOCATION NB_080 VOLUME 610539.39 4200328.50 41.38

SO LOCATION NB_081 VOLUME 610542.54 4200320.07 41.35

SO LOCATION NB_082 VOLUME 610545.69 4200311.64 41.3

SO LOCATION NB_083 VOLUME 610548.83 4200303.21 41.23

SO LOCATION NB_084 VOLUME 610551.98 4200294.78 41.17

SO LOCATION NB_085 VOLUME 610555.13 4200286.35 41.1

SO LOCATION NB_086 VOLUME 610558.28 4200277.91 41.04

SO LOCATION NB_087 VOLUME 610561.43 4200269.48 40.98

SO LOCATION NB_088 VOLUME 610564.58 4200261.05 40.94

Modeled Haul Sources

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SO LOCATION  NB_090  VOLUME  610570.88  4200244.19  40.86
SO LOCATION  NB_091  VOLUME  610574.03  4200235.76  40.81
SO LOCATION  NB_092  VOLUME  610577.18  4200227.33  40.76
SO LOCATION  NB_093  VOLUME  610580.32  4200218.90  40.71
SO LOCATION  NB_094  VOLUME  610583.47  4200210.46  40.65
SO LOCATION  NB_095  VOLUME  610586.62  4200202.03  40.6
SO LOCATION  NB_096  VOLUME  610589.77  4200193.60  40.57
SO LOCATION  NB_097  VOLUME  610592.92  4200185.17  40.55
SO LOCATION  NB_098  VOLUME  610596.07  4200176.74  40.53
SO LOCATION  NB_099  VOLUME  610599.22  4200168.31  40.53
SO LOCATION  NB_100  VOLUME  610602.37  4200159.88  40.52
SO LOCATION  NB_101  VOLUME  610605.52  4200151.45  40.51
SO LOCATION  NB_102  VOLUME  610608.67  4200143.02  40.48
SO LOCATION  NB_103  VOLUME  610611.81  4200134.58  40.46
SO LOCATION  NB_104  VOLUME  610614.96  4200126.15  40.43
SO LOCATION  NB_105  VOLUME  610618.11  4200117.72  40.39
SO LOCATION  NB_106  VOLUME  610621.26  4200109.29  40.3
SO LOCATION  NB_107  VOLUME  610624.41  4200100.86  40.24
SO LOCATION  NB_108  VOLUME  610627.56  4200092.43  40.2
SO LOCATION  NB_109  VOLUME  610630.71  4200084.00  40.16
SO LOCATION  NB_110  VOLUME  610633.86  4200075.57  40.16
SO LOCATION  NB_111  VOLUME  610637.01  4200067.14  40.19
SO LOCATION  NB_112  VOLUME  610640.16  4200058.70  40.24
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Modeled Haul Sources

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SO LOCATION  NB_113  VOLUME  610643.60  4200050.39  40.32
SO LOCATION  NB_114  VOLUME  610647.06  4200042.08  40.47
SO LOCATION  NB_115  VOLUME  610650.52  4200033.77  40.79
SO LOCATION  NB_116  VOLUME  610653.98  4200025.47  41.25
SO LOCATION  NB_117  VOLUME  610657.44  4200017.16  41.64
SO LOCATION  NB_118  VOLUME  610660.91  4200008.85  41.91
SO LOCATION  NB_119  VOLUME  610664.37  4200000.54  42.1
SO LOCATION  NB_120  VOLUME  610667.83  4199992.24  42.23
SO LOCATION  NB_121  VOLUME  610671.29  4199983.93  42.36
SO LOCATION  NB_122  VOLUME  610674.75  4199975.62  42.42
SO LOCATION  NB_123  VOLUME  610678.21  4199967.31  42.48
SO LOCATION  NB_124  VOLUME  610681.68  4199959.01  42.49
SO LOCATION  NB_125  VOLUME  610685.14  4199950.70  42.48
SO LOCATION  NB_126  VOLUME  610688.60  4199942.39  42.47
SO LOCATION  NB_127  VOLUME  610692.06  4199934.08  42.46
SO LOCATION  NB_128  VOLUME  610695.52  4199925.77  42.43
SO LOCATION  NB_129  VOLUME  610698.98  4199917.47  42.33
SO LOCATION  NB_130  VOLUME  610702.44  4199909.16  42.18
SO LOCATION  NB_131  VOLUME  610705.91  4199900.85  41.99
SO LOCATION  NB_132  VOLUME  610709.37  4199892.54  41.73
SO LOCATION  NB_133  VOLUME  610712.83  4199884.24  41.5
SO LOCATION  NB_134  VOLUME  610716.29  4199875.93  41.56
SO LOCATION  NB_135  VOLUME  610719.75  4199867.62  41.86
SO LOCATION  NB_136  VOLUME  610723.21  4199859.31  42.27
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Modeled Haul Sources

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SO LOCATION  NB_137  VOLUME  610726.68  4199851.01  42.49
SO LOCATION  NB_138  VOLUME  610730.14  4199842.70  42.93
SO LOCATION  NB_139  VOLUME  610733.60  4199834.39  43.25
SO LOCATION  NB_140  VOLUME  610737.06  4199826.08  43.46
SO LOCATION  NB_141  VOLUME  610740.52  4199817.77  43.65
SO LOCATION  NB_142  VOLUME  610743.98  4199809.47  43.78
SO LOCATION  NB_143  VOLUME  610747.44  4199801.16  44.01
SO LOCATION  NB_144  VOLUME  610750.91  4199792.85  44.21
SO LOCATION  NB_145  VOLUME  610754.37  4199784.54  44.4
SO LOCATION  NB_146  VOLUME  610757.83  4199776.24  44.53
SO LOCATION  NB_147  VOLUME  610761.29  4199767.93  44.65
SO LOCATION  NB_148  VOLUME  610764.75  4199759.62  44.77
SO LOCATION  NB_149  VOLUME  610768.21  4199751.31  44.83
SO LOCATION  NB_150  VOLUME  610771.68  4199743.01  44.87
SO LOCATION  NB_151  VOLUME  610775.14  4199734.70  44.87
SO LOCATION  NB_152  VOLUME  610778.60  4199726.39  44.83
SO LOCATION  NB_153  VOLUME  610782.06  4199718.08  44.82
SO LOCATION  NB_154  VOLUME  610785.52  4199709.77  44.81
SO LOCATION  NB_155  VOLUME  610788.98  4199701.47  44.76
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SO SRCPARAM  SB_002  6.579E-03  2.55  4.19  2.37
SO SRCPARAM  SB_003  6.579E-03  2.55  4.19  2.37
SO SRCPARAM  SB_004  6.579E-03  2.55  4.19  2.37
SO SRCPARAM  SB_005  6.579E-03  2.55  4.19  2.37
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Modeled Haul Sources

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SO SRCPARAM  SB_008  6.579E-03  2.55  4.19  2.37
SO SRCPARAM  SB_009  6.579E-03  2.55  4.19  2.37
SO SRCPARAM  SB_010  6.579E-03  2.55  4.19  2.37
SO SRCPARAM  SB_011  6.579E-03  2.55  4.19  2.37
SO SRCPARAM  SB_012  6.579E-03  2.55  4.19  2.37
SO SRCPARAM  SB_013  6.579E-03  2.55  4.19  2.37
SO SRCPARAM  SB_014  6.579E-03  2.55  4.19  2.37
SO SRCPARAM  SB_015  6.579E-03  2.55  4.19  2.37
SO SRCPARAM  SB_016  6.579E-03  2.55  4.19  2.37
SO SRCPARAM  SB_017  6.579E-03  2.55  4.19  2.37
SO SRCPARAM  SB_018  6.579E-03  2.55  4.19  2.37
SO SRCPARAM  SB_019  6.579E-03  2.55  4.19  2.37
SO SRCPARAM  SB_020  6.579E-03  2.55  4.19  2.37
SO SRCPARAM  SB_021  6.579E-03  2.55  4.19  2.37
SO SRCPARAM  SB_022  6.579E-03  2.55  4.19  2.37
SO SRCPARAM  SB_023  6.579E-03  2.55  4.19  2.37
SO SRCPARAM  SB_024  6.579E-03  2.55  4.19  2.37
SO SRCPARAM  SB_025  6.579E-03  2.55  4.19  2.37
SO SRCPARAM  SB_026  6.579E-03  2.55  4.19  2.37
SO SRCPARAM  SB_027  6.579E-03  2.55  4.19  2.37
SO SRCPARAM  SB_028  6.579E-03  2.55  4.19  2.37
SO SRCPARAM  SB_029  6.579E-03  2.55  4.19  2.37
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Modeled Haul Sources

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SO SRCPARAM  SB_030  6.579E-03  2.55  4.19  2.37
SO SRCPARAM  SB_031  6.579E-03  2.55  4.19  2.37
SO SRCPARAM  SB_032  6.579E-03  2.55  4.19  2.37
SO SRCPARAM  SB_033  6.579E-03  2.55  4.19  2.37
SO SRCPARAM  SB_034  6.579E-03  2.55  4.19  2.37
SO SRCPARAM  SB_035  6.579E-03  2.55  4.19  2.37
SO SRCPARAM  SB_036  6.579E-03  2.55  4.19  2.37
SO SRCPARAM  SB_037  6.579E-03  2.55  4.19  2.37
SO SRCPARAM  SB_038  6.579E-03  2.55  4.19  2.37
SO SRCPARAM  SB_039  6.579E-03  2.55  4.19  2.37
SO SRCPARAM  SB_040  6.579E-03  2.55  4.19  2.37
SO SRCPARAM  SB_041  6.579E-03  2.55  4.19  2.37
SO SRCPARAM  SB_042  6.579E-03  2.55  4.19  2.37
SO SRCPARAM  SB_043  6.579E-03  2.55  4.19  2.37
SO SRCPARAM  SB_044  6.579E-03  2.55  4.19  2.37
SO SRCPARAM  SB_045  6.579E-03  2.55  4.19  2.37
SO SRCPARAM  SB_046  6.579E-03  2.55  4.19  2.37
SO SRCPARAM  SB_047  6.579E-03  2.55  4.19  2.37
SO SRCPARAM  SB_048  6.579E-03  2.55  4.19  2.37
SO SRCPARAM  SB_049  6.579E-03  2.55  4.19  2.37
SO SRCPARAM  SB_050  6.579E-03  2.55  4.19  2.37
SO SRCPARAM  SB_051  6.579E-03  2.55  4.19  2.37
SO SRCPARAM  SB_052  6.579E-03  2.55  4.19  2.37
SO SRCPARAM  SB_053  6.579E-03  2.55  4.19  2.37
```

Modeled Haul Sources

```
SO SRCPARAM  SB_054  6.579E-03  2.55  4.19  2.37
SO SRCPARAM  SB_055  6.579E-03  2.55  4.19  2.37
SO SRCPARAM  SB_056  6.579E-03  2.55  4.19  2.37
SO SRCPARAM  SB_057  6.579E-03  2.55  4.19  2.37
SO SRCPARAM  SB_058  6.579E-03  2.55  4.19  2.37
SO SRCPARAM  SB_059  6.579E-03  2.55  4.19  2.37
SO SRCPARAM  SB_060  6.579E-03  2.55  4.19  2.37
SO SRCPARAM  SB_061  6.579E-03  2.55  4.19  2.37
SO SRCPARAM  SB_062  6.579E-03  2.55  4.19  2.37
SO SRCPARAM  SB_063  6.579E-03  2.55  4.19  2.37
SO SRCPARAM  SB_064  6.579E-03  2.55  4.19  2.37
SO SRCPARAM  SB_065  6.579E-03  2.55  4.19  2.37
SO SRCPARAM  SB_066  6.579E-03  2.55  4.19  2.37
SO SRCPARAM  SB_067  6.579E-03  2.55  4.19  2.37
SO SRCPARAM  SB_068  6.579E-03  2.55  4.19  2.37
SO SRCPARAM  SB_069  6.579E-03  2.55  4.19  2.37
SO SRCPARAM  SB_070  6.579E-03  2.55  4.19  2.37
SO SRCPARAM  SB_071  6.579E-03  2.55  4.19  2.37
SO SRCPARAM  SB_072  6.579E-03  2.55  4.19  2.37
SO SRCPARAM  SB_073  6.579E-03  2.55  4.19  2.37
SO SRCPARAM  SB_074  6.579E-03  2.55  4.19  2.37
SO SRCPARAM  SB_075  6.579E-03  2.55  4.19  2.37
SO SRCPARAM  SB_076  6.579E-03  2.55  4.19  2.37
SO SRCPARAM  SB_077  6.579E-03  2.55  4.19  2.37
```

Modeled Haul Sources

```
SO SRCPARAM  SB_078  6.579E-03  2.55  4.19  2.37
SO SRCPARAM  SB_079  6.579E-03  2.55  4.19  2.37
SO SRCPARAM  SB_080  6.579E-03  2.55  4.19  2.37
SO SRCPARAM  SB_081  6.579E-03  2.55  4.19  2.37
SO SRCPARAM  SB_082  6.579E-03  2.55  4.19  2.37
SO SRCPARAM  SB_083  6.579E-03  2.55  4.19  2.37
SO SRCPARAM  SB_084  6.579E-03  2.55  4.19  2.37
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SO SRCPARAM  SB_089  6.579E-03  2.55  4.19  2.37
SO SRCPARAM  SB_090  6.579E-03  2.55  4.19  2.37
SO SRCPARAM  SB_091  6.579E-03  2.55  4.19  2.37
SO SRCPARAM  SB_092  6.579E-03  2.55  4.19  2.37
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SO SRCPARAM  SB_095  6.579E-03  2.55  4.19  2.37
SO SRCPARAM  SB_096  6.579E-03  2.55  4.19  2.37
SO SRCPARAM  SB_097  6.579E-03  2.55  4.19  2.37
SO SRCPARAM  SB_098  6.579E-03  2.55  4.19  2.37
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```

Modeled Haul Sources

```
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SO SRCPARAM  SB_104  6.579E-03  2.55  4.19  2.37
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SO SRCPARAM  SB_106  6.579E-03  2.55  4.19  2.37
SO SRCPARAM  SB_107  6.579E-03  2.55  4.19  2.37
SO SRCPARAM  SB_108  6.579E-03  2.55  4.19  2.37
SO SRCPARAM  SB_109  6.579E-03  2.55  4.19  2.37
SO SRCPARAM  SB_110  6.579E-03  2.55  4.19  2.37
SO SRCPARAM  SB_111  6.579E-03  2.55  4.19  2.37
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SO SRCPARAM  SB_113  6.579E-03  2.55  4.19  2.37
SO SRCPARAM  SB_114  6.579E-03  2.55  4.19  2.37
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SO SRCPARAM  SB_124  6.579E-03  2.55  4.19  2.37
SO SRCPARAM  SB_125  6.579E-03  2.55  4.19  2.37
```

Modeled Haul Sources

```
SO SRCPARAM SB_126 6.579E-03 2.55 4.19 2.37
SO SRCPARAM SB_127 6.579E-03 2.55 4.19 2.37
SO SRCPARAM SB_128 6.579E-03 2.55 4.19 2.37
SO SRCPARAM SB_129 6.579E-03 2.55 4.19 2.37
SO SRCPARAM SB_130 6.579E-03 2.55 4.19 2.37
SO SRCPARAM SB_131 6.579E-03 2.55 4.19 2.37
SO SRCPARAM SB_132 6.579E-03 2.55 4.19 2.37
SO SRCPARAM SB_133 6.579E-03 2.55 4.19 2.37
SO SRCPARAM SB_134 6.579E-03 2.55 4.19 2.37
SO SRCPARAM SB_135 6.579E-03 2.55 4.19 2.37
SO SRCPARAM SB_136 6.579E-03 2.55 4.19 2.37
SO SRCPARAM SB_137 6.579E-03 2.55 4.19 2.37
SO SRCPARAM SB_138 6.579E-03 2.55 4.19 2.37
SO SRCPARAM SB_139 6.579E-03 2.55 4.19 2.37
SO SRCPARAM SB_140 6.579E-03 2.55 4.19 2.37
SO SRCPARAM SB_141 6.579E-03 2.55 4.19 2.37
SO SRCPARAM SB_142 6.579E-03 2.55 4.19 2.37
SO SRCPARAM SB_143 6.579E-03 2.55 4.19 2.37
SO SRCPARAM SB_144 6.579E-03 2.55 4.19 2.37
SO SRCPARAM SB_145 6.579E-03 2.55 4.19 2.37
SO SRCPARAM SB_146 6.579E-03 2.55 4.19 2.37
SO SRCPARAM SB_147 6.579E-03 2.55 4.19 2.37
SO SRCPARAM SB_148 6.579E-03 2.55 4.19 2.37
SO SRCPARAM SB_149 6.579E-03 2.55 4.19 2.37
```

Modeled Haul Sources

```
SO SRCPARAM SB_150 6.579E-03 2.55 4.19 2.37
SO SRCPARAM SB_151 6.579E-03 2.55 4.19 2.37
SO SRCPARAM SB_152 6.579E-03 2.55 4.19 2.37
SO SRCPARAM NB_001 6.452E-03 2.55 4.19 2.37
SO SRCPARAM NB_002 6.452E-03 2.55 4.19 2.37
SO SRCPARAM NB_003 6.452E-03 2.55 4.19 2.37
SO SRCPARAM NB_004 6.452E-03 2.55 4.19 2.37
SO SRCPARAM NB_005 6.452E-03 2.55 4.19 2.37
SO SRCPARAM NB_006 6.452E-03 2.55 4.19 2.37
SO SRCPARAM NB_007 6.452E-03 2.55 4.19 2.37
SO SRCPARAM NB_008 6.452E-03 2.55 4.19 2.37
SO SRCPARAM NB_009 6.452E-03 2.55 4.19 2.37
SO SRCPARAM NB_010 6.452E-03 2.55 4.19 2.37
SO SRCPARAM NB_011 6.452E-03 2.55 4.19 2.37
SO SRCPARAM NB_012 6.452E-03 2.55 4.19 2.37
SO SRCPARAM NB_013 6.452E-03 2.55 4.19 2.37
SO SRCPARAM NB_014 6.452E-03 2.55 4.19 2.37
SO SRCPARAM NB_015 6.452E-03 2.55 4.19 2.37
SO SRCPARAM NB_016 6.452E-03 2.55 4.19 2.37
SO SRCPARAM NB_017 6.452E-03 2.55 4.19 2.37
SO SRCPARAM NB_018 6.452E-03 2.55 4.19 2.37
SO SRCPARAM NB_019 6.452E-03 2.55 4.19 2.37
SO SRCPARAM NB_020 6.452E-03 2.55 4.19 2.37
SO SRCPARAM NB_021 6.452E-03 2.55 4.19 2.37
```

Modeled Haul Sources

```
SO SRCPARAM NB_022 6.452E-03 2.55 4.19 2.37
SO SRCPARAM NB_023 6.452E-03 2.55 4.19 2.37
SO SRCPARAM NB_024 6.452E-03 2.55 4.19 2.37
SO SRCPARAM NB_025 6.452E-03 2.55 4.19 2.37
SO SRCPARAM NB_026 6.452E-03 2.55 4.19 2.37
SO SRCPARAM NB_027 6.452E-03 2.55 4.19 2.37
SO SRCPARAM NB_028 6.452E-03 2.55 4.19 2.37
SO SRCPARAM NB_029 6.452E-03 2.55 4.19 2.37
SO SRCPARAM NB_030 6.452E-03 2.55 4.19 2.37
SO SRCPARAM NB_031 6.452E-03 2.55 4.19 2.37
SO SRCPARAM NB_032 6.452E-03 2.55 4.19 2.37
SO SRCPARAM NB_033 6.452E-03 2.55 4.19 2.37
SO SRCPARAM NB_034 6.452E-03 2.55 4.19 2.37
SO SRCPARAM NB_035 6.452E-03 2.55 4.19 2.37
SO SRCPARAM NB_036 6.452E-03 2.55 4.19 2.37
SO SRCPARAM NB_037 6.452E-03 2.55 4.19 2.37
SO SRCPARAM NB_038 6.452E-03 2.55 4.19 2.37
SO SRCPARAM NB_039 6.452E-03 2.55 4.19 2.37
SO SRCPARAM NB_040 6.452E-03 2.55 4.19 2.37
SO SRCPARAM NB_041 6.452E-03 2.55 4.19 2.37
SO SRCPARAM NB_042 6.452E-03 2.55 4.19 2.37
SO SRCPARAM NB_043 6.452E-03 2.55 4.19 2.37
SO SRCPARAM NB_044 6.452E-03 2.55 4.19 2.37
SO SRCPARAM NB_045 6.452E-03 2.55 4.19 2.37
```

Modeled Haul Sources

```
SO SRCPARAM NB_046 6.452E-03 2.55 4.19 2.37
SO SRCPARAM NB_047 6.452E-03 2.55 4.19 2.37
SO SRCPARAM NB_048 6.452E-03 2.55 4.19 2.37
SO SRCPARAM NB_049 6.452E-03 2.55 4.19 2.37
SO SRCPARAM NB_050 6.452E-03 2.55 4.19 2.37
SO SRCPARAM NB_051 6.452E-03 2.55 4.19 2.37
SO SRCPARAM NB_052 6.452E-03 2.55 4.19 2.37
SO SRCPARAM NB_053 6.452E-03 2.55 4.19 2.37
SO SRCPARAM NB_054 6.452E-03 2.55 4.19 2.37
SO SRCPARAM NB_055 6.452E-03 2.55 4.19 2.37
SO SRCPARAM NB_056 6.452E-03 2.55 4.19 2.37
SO SRCPARAM NB_057 6.452E-03 2.55 4.19 2.37
SO SRCPARAM NB_058 6.452E-03 2.55 4.19 2.37
SO SRCPARAM NB_059 6.452E-03 2.55 4.19 2.37
SO SRCPARAM NB_060 6.452E-03 2.55 4.19 2.37
SO SRCPARAM NB_061 6.452E-03 2.55 4.19 2.37
SO SRCPARAM NB_062 6.452E-03 2.55 4.19 2.37
SO SRCPARAM NB_063 6.452E-03 2.55 4.19 2.37
SO SRCPARAM NB_064 6.452E-03 2.55 4.19 2.37
SO SRCPARAM NB_065 6.452E-03 2.55 4.19 2.37
SO SRCPARAM NB_066 6.452E-03 2.55 4.19 2.37
SO SRCPARAM NB_067 6.452E-03 2.55 4.19 2.37
SO SRCPARAM NB_068 6.452E-03 2.55 4.19 2.37
SO SRCPARAM NB_069 6.452E-03 2.55 4.19 2.37
```

Modeled Haul Sources

```
SO SRCPARAM  NB_070  6.452E-03  2.55  4.19  2.37
SO SRCPARAM  NB_071  6.452E-03  2.55  4.19  2.37
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SO SRCPARAM  NB_074  6.452E-03  2.55  4.19  2.37
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SO SRCPARAM  NB_076  6.452E-03  2.55  4.19  2.37
SO SRCPARAM  NB_077  6.452E-03  2.55  4.19  2.37
SO SRCPARAM  NB_078  6.452E-03  2.55  4.19  2.37
SO SRCPARAM  NB_079  6.452E-03  2.55  4.19  2.37
SO SRCPARAM  NB_080  6.452E-03  2.55  4.19  2.37
SO SRCPARAM  NB_081  6.452E-03  2.55  4.19  2.37
SO SRCPARAM  NB_082  6.452E-03  2.55  4.19  2.37
SO SRCPARAM  NB_083  6.452E-03  2.55  4.19  2.37
SO SRCPARAM  NB_084  6.452E-03  2.55  4.19  2.37
SO SRCPARAM  NB_085  6.452E-03  2.55  4.19  2.37
SO SRCPARAM  NB_086  6.452E-03  2.55  4.19  2.37
SO SRCPARAM  NB_087  6.452E-03  2.55  4.19  2.37
SO SRCPARAM  NB_088  6.452E-03  2.55  4.19  2.37
SO SRCPARAM  NB_089  6.452E-03  2.55  4.19  2.37
SO SRCPARAM  NB_090  6.452E-03  2.55  4.19  2.37
SO SRCPARAM  NB_091  6.452E-03  2.55  4.19  2.37
SO SRCPARAM  NB_092  6.452E-03  2.55  4.19  2.37
SO SRCPARAM  NB_093  6.452E-03  2.55  4.19  2.37
```

Modeled Haul Sources

```
SO SRCPARAM  NB_094  6.452E-03  2.55  4.19  2.37
SO SRCPARAM  NB_095  6.452E-03  2.55  4.19  2.37
SO SRCPARAM  NB_096  6.452E-03  2.55  4.19  2.37
SO SRCPARAM  NB_097  6.452E-03  2.55  4.19  2.37
SO SRCPARAM  NB_098  6.452E-03  2.55  4.19  2.37
SO SRCPARAM  NB_099  6.452E-03  2.55  4.19  2.37
SO SRCPARAM  NB_100  6.452E-03  2.55  4.19  2.37
SO SRCPARAM  NB_101  6.452E-03  2.55  4.19  2.37
SO SRCPARAM  NB_102  6.452E-03  2.55  4.19  2.37
SO SRCPARAM  NB_103  6.452E-03  2.55  4.19  2.37
SO SRCPARAM  NB_104  6.452E-03  2.55  4.19  2.37
SO SRCPARAM  NB_105  6.452E-03  2.55  4.19  2.37
SO SRCPARAM  NB_106  6.452E-03  2.55  4.19  2.37
SO SRCPARAM  NB_107  6.452E-03  2.55  4.19  2.37
SO SRCPARAM  NB_108  6.452E-03  2.55  4.19  2.37
SO SRCPARAM  NB_109  6.452E-03  2.55  4.19  2.37
SO SRCPARAM  NB_110  6.452E-03  2.55  4.19  2.37
SO SRCPARAM  NB_111  6.452E-03  2.55  4.19  2.37
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SO SRCPARAM  NB_113  6.452E-03  2.55  4.19  2.37
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SO SRCPARAM  NB_115  6.452E-03  2.55  4.19  2.37
SO SRCPARAM  NB_116  6.452E-03  2.55  4.19  2.37
SO SRCPARAM  NB_117  6.452E-03  2.55  4.19  2.37
```

Modeled Haul Sources

```
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SO SRCPARAM  NB_119  6.452E-03  2.55  4.19  2.37
SO SRCPARAM  NB_120  6.452E-03  2.55  4.19  2.37
SO SRCPARAM  NB_121  6.452E-03  2.55  4.19  2.37
SO SRCPARAM  NB_122  6.452E-03  2.55  4.19  2.37
SO SRCPARAM  NB_123  6.452E-03  2.55  4.19  2.37
SO SRCPARAM  NB_124  6.452E-03  2.55  4.19  2.37
SO SRCPARAM  NB_125  6.452E-03  2.55  4.19  2.37
SO SRCPARAM  NB_126  6.452E-03  2.55  4.19  2.37
SO SRCPARAM  NB_127  6.452E-03  2.55  4.19  2.37
SO SRCPARAM  NB_128  6.452E-03  2.55  4.19  2.37
SO SRCPARAM  NB_129  6.452E-03  2.55  4.19  2.37
SO SRCPARAM  NB_130  6.452E-03  2.55  4.19  2.37
SO SRCPARAM  NB_131  6.452E-03  2.55  4.19  2.37
SO SRCPARAM  NB_132  6.452E-03  2.55  4.19  2.37
SO SRCPARAM  NB_133  6.452E-03  2.55  4.19  2.37
SO SRCPARAM  NB_134  6.452E-03  2.55  4.19  2.37
SO SRCPARAM  NB_135  6.452E-03  2.55  4.19  2.37
SO SRCPARAM  NB_136  6.452E-03  2.55  4.19  2.37
SO SRCPARAM  NB_137  6.452E-03  2.55  4.19  2.37
SO SRCPARAM  NB_138  6.452E-03  2.55  4.19  2.37
SO SRCPARAM  NB_139  6.452E-03  2.55  4.19  2.37
SO SRCPARAM  NB_140  6.452E-03  2.55  4.19  2.37
SO SRCPARAM  NB_141  6.452E-03  2.55  4.19  2.37
```

Modeled Haul Sources

```
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SO SRCPARAM  NB_143  6.452E-03  2.55  4.19  2.37
SO SRCPARAM  NB_144  6.452E-03  2.55  4.19  2.37
SO SRCPARAM  NB_145  6.452E-03  2.55  4.19  2.37
SO SRCPARAM  NB_146  6.452E-03  2.55  4.19  2.37
SO SRCPARAM  NB_147  6.452E-03  2.55  4.19  2.37
SO SRCPARAM  NB_148  6.452E-03  2.55  4.19  2.37
SO SRCPARAM  NB_149  6.452E-03  2.55  4.19  2.37
SO SRCPARAM  NB_150  6.452E-03  2.55  4.19  2.37
SO SRCPARAM  NB_151  6.452E-03  2.55  4.19  2.37
SO SRCPARAM  NB_152  6.452E-03  2.55  4.19  2.37
SO SRCPARAM  NB_153  6.452E-03  2.55  4.19  2.37
SO SRCPARAM  NB_154  6.452E-03  2.55  4.19  2.37
SO SRCPARAM  NB_155  6.452E-03  2.55  4.19  2.37
```

APPENDIX C
CALEEMOD® OUTPUT FILES

Bridle Gate - Bay Area AQMD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Bridle Gate

Bay Area AQMD Air District, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
City Park	4.30	Acre	4.30	187,308.00	0
Single Family Housing	286.00	Dwelling Unit	92.86	514,800.00	818

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	64
Climate Zone	4			**Operational Year**	2026
Utility Company	Pacific Gas and Electric Company				
CO2 Intensity (lb/MWhr)	203.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - Operational-only run.

Grading -

Vehicle Trips - Project specific.

Vehicle Emission Factors - Updated to EMFAC2021 emission factors, which incorporate newer regulations and projections than the default EMFAC2017 factors.

Vehicle Emission Factors -

Vehicle Emission Factors -

Road Dust - Updated silt loading factor for Contra Costa County from the CARB 2021 Miscellaneous Process Methodology 7.9 for Entrained Road Travel, Paved Road Dust.

Woodstoves - No wood-burning devices per BAAQMD Regulation 6, Rule 3.

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Consumer Products - An updated 2020 VOC inventory from CARB and population estimates based on the CA DOF demographic projections were used to estimate a Contra Costa County VOC EF for 2020.

Mobile Land Use Mitigation -

Energy Mitigation -

Water Mitigation -

Waste Mitigation -

Fleet Mix - Updated to EMFAC2021 fleet mix, which incorporates newer regulations and projections than the default EMFAC2017 mix.

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	100.00	0.00
tblConstructionPhase	NumDays	60.00	0.00
tblConstructionPhase	NumDays	155.00	0.00
tblConstructionPhase	NumDays	1,550.00	0.00
tblConstructionPhase	NumDays	110.00	0.00
tblConstructionPhase	NumDays	110.00	0.00
tblConsumerProducts	ROG_EF	2.14E-05	1.62E-05
tblFireplaces	FireplaceWoodMass	228.80	0.00
tblFireplaces	NumberGas	71.50	194.48
tblFireplaces	NumberWood	122.98	0.00
tblFleetMix	HHD	7.5250e-003	0.03
tblFleetMix	HHD	7.5250e-003	0.03
tblFleetMix	LDA	0.55	0.51
tblFleetMix	LDA	0.55	0.51
tblFleetMix	LDT1	0.06	0.04
tblFleetMix	LDT1	0.06	0.04
tblFleetMix	LDT2	0.19	0.24
tblFleetMix	LDT2	0.19	0.24
tblFleetMix	LHD1	0.02	0.03
tblFleetMix	LHD1	0.02	0.03
tblFleetMix	LHD2	5.6970e-003	6.9000e-003

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblFleetMix	LHD2	5.6970e-003	6.9000e-003
tblFleetMix	MCY	0.03	3.8000e-003
tblFleetMix	MCY	0.03	3.8000e-003
tblFleetMix	MDV	0.12	0.13
tblFleetMix	MDV	0.12	0.13
tblFleetMix	MH	2.7710e-003	7.0000e-004
tblFleetMix	MH	2.7710e-003	7.0000e-004
tblFleetMix	MHD	0.01	0.01
tblFleetMix	MHD	0.01	0.01
tblFleetMix	OBUS	9.7700e-004	1.9000e-003
tblFleetMix	OBUS	9.7700e-004	1.9000e-003
tblFleetMix	SBUS	8.4800e-004	6.0000e-004
tblFleetMix	SBUS	8.4800e-004	6.0000e-004
tblFleetMix	UBUS	5.4500e-004	2.0000e-003
tblFleetMix	UBUS	5.4500e-004	2.0000e-003
tblRoadDust	RoadSiltLoading	0.1	0.04
tblVehicleEF	HHD	0.02	0.22
tblVehicleEF	HHD	0.05	0.10
tblVehicleEF	HHD	6.27	5.17
tblVehicleEF	HHD	0.41	0.70
tblVehicleEF	HHD	6.3710e-003	2.6000e-003
tblVehicleEF	HHD	1,004.06	801.04
tblVehicleEF	HHD	1,354.95	1,557.46
tblVehicleEF	HHD	0.06	0.03
tblVehicleEF	HHD	0.16	0.13
tblVehicleEF	HHD	0.21	0.25
tblVehicleEF	HHD	4.0000e-006	0.00
tblVehicleEF	HHD	5.28	4.06
tblVehicleEF	HHD	2.64	1.74

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	HHD	2.35	2.76
tblVehicleEF	HHD	2.4410e-003	2.1000e-003
tblVehicleEF	HHD	0.06	0.08
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	0.03
tblVehicleEF	HHD	1.0000e-006	0.00
tblVehicleEF	HHD	2.3350e-003	2.0000e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8770e-003	8.8000e-003
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	1.0000e-006	0.00
tblVehicleEF	HHD	2.0000e-006	1.0000e-004
tblVehicleEF	HHD	9.1000e-005	0.00
tblVehicleEF	HHD	0.42	0.33
tblVehicleEF	HHD	1.0000e-006	0.00
tblVehicleEF	HHD	0.03	0.02
tblVehicleEF	HHD	4.2000e-005	0.00
tblVehicleEF	HHD	2.0000e-006	0.00
tblVehicleEF	HHD	9.3420e-003	7.0000e-003
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	1.0000e-006	0.00
tblVehicleEF	HHD	2.0000e-006	1.0000e-004
tblVehicleEF	HHD	9.1000e-005	0.00
tblVehicleEF	HHD	0.49	0.58
tblVehicleEF	HHD	1.0000e-006	0.00
tblVehicleEF	HHD	0.08	0.12
tblVehicleEF	HHD	4.2000e-005	0.00
tblVehicleEF	HHD	2.0000e-006	0.00
tblVehicleEF	LDA	1.4280e-003	1.7000e-003

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	LDA	0.04	0.06
tblVehicleEF	LDA	0.47	0.57
tblVehicleEF	LDA	1.97	2.69
tblVehicleEF	LDA	223.37	239.68
tblVehicleEF	LDA	47.21	62.06
tblVehicleEF	LDA	3.6630e-003	3.8000e-003
tblVehicleEF	LDA	0.02	0.03
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.15	0.22
tblVehicleEF	LDA	0.04	6.9000e-003
tblVehicleEF	LDA	1.2310e-003	1.1000e-003
tblVehicleEF	LDA	1.5850e-003	1.8000e-003
tblVehicleEF	LDA	0.02	2.4000e-003
tblVehicleEF	LDA	1.1340e-003	1.0000e-003
tblVehicleEF	LDA	1.4570e-003	1.7000e-003
tblVehicleEF	LDA	0.03	0.27
tblVehicleEF	LDA	0.08	0.08
tblVehicleEF	LDA	0.03	0.00
tblVehicleEF	LDA	5.2050e-003	6.5000e-003
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.17	0.27
tblVehicleEF	LDA	2.2090e-003	2.4000e-003
tblVehicleEF	LDA	4.6700e-004	6.0000e-004
tblVehicleEF	LDA	0.03	0.27
tblVehicleEF	LDA	0.08	0.08
tblVehicleEF	LDA	0.03	0.00
tblVehicleEF	LDA	7.5590e-003	9.4000e-003
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.18	0.29

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	LDT1	2.7160e-003	4.8000e-003
tblVehicleEF	LDT1	0.05	0.10
tblVehicleEF	LDT1	0.69	1.15
tblVehicleEF	LDT1	2.13	4.75
tblVehicleEF	LDT1	268.54	318.88
tblVehicleEF	LDT1	57.26	83.52
tblVehicleEF	LDT1	4.8820e-003	7.9000e-003
tblVehicleEF	LDT1	0.02	0.04
tblVehicleEF	LDT1	0.05	0.10
tblVehicleEF	LDT1	0.19	0.35
tblVehicleEF	LDT1	0.04	8.9000e-003
tblVehicleEF	LDT1	1.4670e-003	1.7000e-003
tblVehicleEF	LDT1	1.9150e-003	2.7000e-003
tblVehicleEF	LDT1	0.02	3.1000e-003
tblVehicleEF	LDT1	1.3490e-003	1.6000e-003
tblVehicleEF	LDT1	1.7600e-003	2.5000e-003
tblVehicleEF	LDT1	0.06	0.55
tblVehicleEF	LDT1	0.13	0.15
tblVehicleEF	LDT1	0.06	0.00
tblVehicleEF	LDT1	0.01	0.02
tblVehicleEF	LDT1	0.07	0.06
tblVehicleEF	LDT1	0.24	0.48
tblVehicleEF	LDT1	2.6570e-003	3.2000e-003
tblVehicleEF	LDT1	5.6700e-004	8.0000e-004
tblVehicleEF	LDT1	0.06	0.55
tblVehicleEF	LDT1	0.13	0.15
tblVehicleEF	LDT1	0.06	0.00
tblVehicleEF	LDT1	0.02	0.03
tblVehicleEF	LDT1	0.07	0.06

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	LDT1	0.26	0.53
tblVehicleEF	LDT2	2.3340e-003	2.3000e-003
tblVehicleEF	LDT2	0.05	0.07
tblVehicleEF	LDT2	0.62	0.70
tblVehicleEF	LDT2	2.55	3.27
tblVehicleEF	LDT2	282.66	327.56
tblVehicleEF	LDT2	60.66	83.09
tblVehicleEF	LDT2	4.8400e-003	5.2000e-003
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.21	0.29
tblVehicleEF	LDT2	0.04	8.5000e-003
tblVehicleEF	LDT2	1.2940e-003	1.3000e-003
tblVehicleEF	LDT2	1.6260e-003	2.0000e-003
tblVehicleEF	LDT2	0.02	3.0000e-003
tblVehicleEF	LDT2	1.1910e-003	1.2000e-003
tblVehicleEF	LDT2	1.4950e-003	1.8000e-003
tblVehicleEF	LDT2	0.05	0.27
tblVehicleEF	LDT2	0.10	0.07
tblVehicleEF	LDT2	0.05	0.00
tblVehicleEF	LDT2	9.0880e-003	8.8000e-003
tblVehicleEF	LDT2	0.06	0.03
tblVehicleEF	LDT2	0.24	0.33
tblVehicleEF	LDT2	2.7960e-003	3.2000e-003
tblVehicleEF	LDT2	6.0000e-004	8.0000e-004
tblVehicleEF	LDT2	0.05	0.27
tblVehicleEF	LDT2	0.10	0.07
tblVehicleEF	LDT2	0.05	0.00
tblVehicleEF	LDT2	0.01	0.01

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	LDT2	0.06	0.03
tblVehicleEF	LDT2	0.27	0.36
tblVehicleEF	LHD1	4.6270e-003	5.0000e-003
tblVehicleEF	LHD1	7.0990e-003	6.9000e-003
tblVehicleEF	LHD1	0.01	0.02
tblVehicleEF	LHD1	0.18	0.19
tblVehicleEF	LHD1	0.65	0.79
tblVehicleEF	LHD1	0.98	2.13
tblVehicleEF	LHD1	8.76	8.58
tblVehicleEF	LHD1	751.91	751.01
tblVehicleEF	LHD1	10.85	17.11
tblVehicleEF	LHD1	7.6700e-004	7.0000e-004
tblVehicleEF	LHD1	0.04	0.04
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	0.06	0.05
tblVehicleEF	LHD1	0.61	0.60
tblVehicleEF	LHD1	0.27	0.40
tblVehicleEF	LHD1	8.9800e-004	7.0000e-004
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	9.8620e-003	9.5000e-003
tblVehicleEF	LHD1	9.7490e-003	0.01
tblVehicleEF	LHD1	2.2800e-004	2.0000e-004
tblVehicleEF	LHD1	8.5900e-004	7.0000e-004
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.4660e-003	2.4000e-003
tblVehicleEF	LHD1	9.2820e-003	0.01
tblVehicleEF	LHD1	2.1000e-004	2.0000e-004
tblVehicleEF	LHD1	1.5700e-003	0.11
tblVehicleEF	LHD1	0.06	0.03

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	8.8800e-004	0.00
tblVehicleEF	LHD1	0.09	0.08
tblVehicleEF	LHD1	0.19	0.06
tblVehicleEF	LHD1	0.06	0.10
tblVehicleEF	LHD1	8.5000e-005	1.0000e-004
tblVehicleEF	LHD1	7.3340e-003	7.3000e-003
tblVehicleEF	LHD1	1.0700e-004	2.0000e-004
tblVehicleEF	LHD1	1.5700e-003	0.11
tblVehicleEF	LHD1	0.06	0.03
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	8.8800e-004	0.00
tblVehicleEF	LHD1	0.11	0.10
tblVehicleEF	LHD1	0.19	0.06
tblVehicleEF	LHD1	0.06	0.11
tblVehicleEF	LHD2	2.9160e-003	2.9000e-003
tblVehicleEF	LHD2	6.1070e-003	6.1000e-003
tblVehicleEF	LHD2	6.7420e-003	0.01
tblVehicleEF	LHD2	0.14	0.14
tblVehicleEF	LHD2	0.55	0.51
tblVehicleEF	LHD2	0.56	1.17
tblVehicleEF	LHD2	13.64	13.50
tblVehicleEF	LHD2	734.56	801.69
tblVehicleEF	LHD2	7.31	9.36
tblVehicleEF	LHD2	1.7140e-003	1.7000e-003
tblVehicleEF	LHD2	0.07	0.08
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.65	0.74

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	LHD2	0.16	0.22
tblVehicleEF	LHD2	1.4440e-003	1.4000e-003
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	1.1500e-004	1.0000e-004
tblVehicleEF	LHD2	1.3810e-003	1.3000e-003
tblVehicleEF	LHD2	0.04	0.03
tblVehicleEF	LHD2	2.6960e-003	2.7000e-003
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	1.0600e-004	1.0000e-004
tblVehicleEF	LHD2	7.7100e-004	0.06
tblVehicleEF	LHD2	0.03	0.01
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	4.5700e-004	0.00
tblVehicleEF	LHD2	0.10	0.11
tblVehicleEF	LHD2	0.08	0.03
tblVehicleEF	LHD2	0.03	0.05
tblVehicleEF	LHD2	1.3000e-004	1.0000e-004
tblVehicleEF	LHD2	7.0910e-003	7.7000e-003
tblVehicleEF	LHD2	7.2000e-005	1.0000e-004
tblVehicleEF	LHD2	7.7100e-004	0.06
tblVehicleEF	LHD2	0.03	0.01
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	4.5700e-004	0.00
tblVehicleEF	LHD2	0.12	0.12
tblVehicleEF	LHD2	0.08	0.03
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	MCY	0.34	0.16

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	MCY	0.26	0.18
tblVehicleEF	MCY	19.06	12.71
tblVehicleEF	MCY	9.18	8.12
tblVehicleEF	MCY	214.13	189.67
tblVehicleEF	MCY	60.78	48.24
tblVehicleEF	MCY	0.07	0.04
tblVehicleEF	MCY	0.02	7.9000e-003
tblVehicleEF	MCY	1.16	0.57
tblVehicleEF	MCY	0.27	0.13
tblVehicleEF	MCY	0.01	0.01
tblVehicleEF	MCY	2.1360e-003	2.0000e-003
tblVehicleEF	MCY	2.9960e-003	3.5000e-003
tblVehicleEF	MCY	5.0400e-003	4.2000e-003
tblVehicleEF	MCY	1.9940e-003	1.9000e-003
tblVehicleEF	MCY	2.8130e-003	3.3000e-003
tblVehicleEF	MCY	0.82	2.01
tblVehicleEF	MCY	0.68	3.57
tblVehicleEF	MCY	0.47	0.00
tblVehicleEF	MCY	2.26	1.07
tblVehicleEF	MCY	0.52	1.34
tblVehicleEF	MCY	1.95	1.35
tblVehicleEF	MCY	2.1190e-003	1.9000e-003
tblVehicleEF	MCY	6.0100e-004	5.0000e-004
tblVehicleEF	MCY	0.82	2.01
tblVehicleEF	MCY	0.68	3.57
tblVehicleEF	MCY	0.47	0.00
tblVehicleEF	MCY	2.82	1.29
tblVehicleEF	MCY	0.52	1.34
tblVehicleEF	MCY	2.12	1.47

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	MDV	2.6160e-003	2.9000e-003
tblVehicleEF	MDV	0.06	0.09
tblVehicleEF	MDV	0.65	0.77
tblVehicleEF	MDV	2.71	3.47
tblVehicleEF	MDV	342.21	394.06
tblVehicleEF	MDV	72.46	99.44
tblVehicleEF	MDV	6.4950e-003	6.9000e-003
tblVehicleEF	MDV	0.03	0.04
tblVehicleEF	MDV	0.05	0.07
tblVehicleEF	MDV	0.24	0.35
tblVehicleEF	MDV	0.04	8.6000e-003
tblVehicleEF	MDV	1.3400e-003	1.3000e-003
tblVehicleEF	MDV	1.6650e-003	2.0000e-003
tblVehicleEF	MDV	0.02	3.0000e-003
tblVehicleEF	MDV	1.2360e-003	1.2000e-003
tblVehicleEF	MDV	1.5300e-003	1.8000e-003
tblVehicleEF	MDV	0.06	0.32
tblVehicleEF	MDV	0.12	0.09
tblVehicleEF	MDV	0.06	0.00
tblVehicleEF	MDV	0.01	0.01
tblVehicleEF	MDV	0.06	0.03
tblVehicleEF	MDV	0.29	0.42
tblVehicleEF	MDV	3.3820e-003	3.9000e-003
tblVehicleEF	MDV	7.1700e-004	1.0000e-003
tblVehicleEF	MDV	0.06	0.32
tblVehicleEF	MDV	0.12	0.09
tblVehicleEF	MDV	0.06	0.00
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.06	0.03

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	MDV	0.31	0.46
tblVehicleEF	MH	7.5040e-003	9.5000e-003
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	0.65	0.85
tblVehicleEF	MH	1.85	2.23
tblVehicleEF	MH	1,445.81	1,665.58
tblVehicleEF	MH	16.99	21.27
tblVehicleEF	MH	0.06	0.07
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	1.24	1.48
tblVehicleEF	MH	0.24	0.30
tblVehicleEF	MH	0.13	0.04
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	2.3400e-004	3.0000e-004
tblVehicleEF	MH	0.06	0.02
tblVehicleEF	MH	3.2910e-003	3.3000e-003
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	2.1500e-004	2.0000e-004
tblVehicleEF	MH	0.46	27.85
tblVehicleEF	MH	0.04	7.18
tblVehicleEF	MH	0.18	0.00
tblVehicleEF	MH	0.05	0.07
tblVehicleEF	MH	9.9750e-003	1.8000e-003
tblVehicleEF	MH	0.08	0.10
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	1.6800e-004	2.0000e-004
tblVehicleEF	MH	0.46	27.85
tblVehicleEF	MH	0.04	7.18

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	MH	0.18	0.00
tblVehicleEF	MH	0.07	0.09
tblVehicleEF	MH	9.9750e-003	1.8000e-003
tblVehicleEF	MH	0.09	0.11
tblVehicleEF	MHD	3.2370e-003	0.02
tblVehicleEF	MHD	1.2660e-003	0.01
tblVehicleEF	MHD	7.6930e-003	8.0000e-003
tblVehicleEF	MHD	0.39	0.67
tblVehicleEF	MHD	0.18	0.26
tblVehicleEF	MHD	0.86	0.94
tblVehicleEF	MHD	74.80	157.82
tblVehicleEF	MHD	1,030.19	1,201.02
tblVehicleEF	MHD	7.77	7.97
tblVehicleEF	MHD	0.01	0.02
tblVehicleEF	MHD	0.14	0.15
tblVehicleEF	MHD	6.4540e-003	5.7000e-003
tblVehicleEF	MHD	0.42	0.85
tblVehicleEF	MHD	1.44	0.90
tblVehicleEF	MHD	1.76	1.39
tblVehicleEF	MHD	2.8400e-004	1.4000e-003
tblVehicleEF	MHD	0.13	0.05
tblVehicleEF	MHD	6.9620e-003	9.2000e-003
tblVehicleEF	MHD	9.4000e-005	1.0000e-004
tblVehicleEF	MHD	2.7200e-004	1.3000e-003
tblVehicleEF	MHD	0.06	0.02
tblVehicleEF	MHD	6.6550e-003	8.8000e-003
tblVehicleEF	MHD	8.7000e-005	1.0000e-004
tblVehicleEF	MHD	2.7500e-004	0.02
tblVehicleEF	MHD	0.01	5.4000e-003

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	1.6400e-004	0.00
tblVehicleEF	MHD	0.01	0.03
tblVehicleEF	MHD	0.02	0.01
tblVehicleEF	MHD	0.04	0.04
tblVehicleEF	MHD	7.0900e-004	1.5000e-003
tblVehicleEF	MHD	9.8130e-003	0.01
tblVehicleEF	MHD	7.7000e-005	1.0000e-004
tblVehicleEF	MHD	2.7500e-004	0.02
tblVehicleEF	MHD	0.01	5.4000e-003
tblVehicleEF	MHD	0.02	0.04
tblVehicleEF	MHD	1.6400e-004	0.00
tblVehicleEF	MHD	0.02	0.04
tblVehicleEF	MHD	0.02	0.01
tblVehicleEF	MHD	0.04	0.05
tblVehicleEF	OBUS	7.4600e-003	7.9000e-003
tblVehicleEF	OBUS	3.7150e-003	9.9000e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.64	0.55
tblVehicleEF	OBUS	0.44	0.47
tblVehicleEF	OBUS	1.91	1.92
tblVehicleEF	OBUS	98.77	87.86
tblVehicleEF	OBUS	1,310.39	1,398.41
tblVehicleEF	OBUS	15.57	15.73
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	0.12	0.15
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.41	0.36
tblVehicleEF	OBUS	1.40	0.98

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	OBUS	1.05	0.94
tblVehicleEF	OBUS	1.3800e-004	4.0000e-004
tblVehicleEF	OBUS	0.13	0.05
tblVehicleEF	OBUS	7.7550e-003	0.02
tblVehicleEF	OBUS	1.6200e-004	2.0000e-004
tblVehicleEF	OBUS	1.3200e-004	4.0000e-004
tblVehicleEF	OBUS	0.06	0.02
tblVehicleEF	OBUS	7.4050e-003	0.02
tblVehicleEF	OBUS	1.4900e-004	1.0000e-004
tblVehicleEF	OBUS	1.1690e-003	0.07
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	0.04
tblVehicleEF	OBUS	5.6100e-004	0.00
tblVehicleEF	OBUS	0.02	0.05
tblVehicleEF	OBUS	0.05	0.02
tblVehicleEF	OBUS	0.09	0.09
tblVehicleEF	OBUS	9.3800e-004	8.0000e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	1.5400e-004	2.0000e-004
tblVehicleEF	OBUS	1.1690e-003	0.07
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.07	0.06
tblVehicleEF	OBUS	5.6100e-004	0.00
tblVehicleEF	OBUS	0.03	0.07
tblVehicleEF	OBUS	0.05	0.02
tblVehicleEF	OBUS	0.10	0.10
tblVehicleEF	SBUS	0.05	0.09
tblVehicleEF	SBUS	4.4970e-003	0.12
tblVehicleEF	SBUS	4.3720e-003	4.4000e-003

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	SBUS	2.25	1.62
tblVehicleEF	SBUS	0.37	0.89
tblVehicleEF	SBUS	0.63	0.60
tblVehicleEF	SBUS	329.49	186.62
tblVehicleEF	SBUS	995.87	1,016.57
tblVehicleEF	SBUS	3.65	3.44
tblVehicleEF	SBUS	0.05	0.03
tblVehicleEF	SBUS	0.13	0.13
tblVehicleEF	SBUS	4.3250e-003	4.1000e-003
tblVehicleEF	SBUS	2.82	1.24
tblVehicleEF	SBUS	3.55	2.07
tblVehicleEF	SBUS	1.17	0.52
tblVehicleEF	SBUS	2.4110e-003	1.0000e-003
tblVehicleEF	SBUS	0.74	0.04
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	5.1000e-005	0.00
tblVehicleEF	SBUS	2.3070e-003	1.0000e-003
tblVehicleEF	SBUS	0.32	0.02
tblVehicleEF	SBUS	2.7340e-003	2.6000e-003
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	4.6000e-005	0.00
tblVehicleEF	SBUS	4.2500e-004	0.03
tblVehicleEF	SBUS	4.3060e-003	7.2000e-003
tblVehicleEF	SBUS	0.23	0.17
tblVehicleEF	SBUS	2.0200e-004	0.00
tblVehicleEF	SBUS	0.06	0.05
tblVehicleEF	SBUS	8.4100e-003	8.2000e-003
tblVehicleEF	SBUS	0.02	0.02

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	SBUS	3.1350e-003	1.7000e-003
tblVehicleEF	SBUS	9.5060e-003	9.3000e-003
tblVehicleEF	SBUS	3.6000e-005	0.00
tblVehicleEF	SBUS	4.2500e-004	0.03
tblVehicleEF	SBUS	4.3060e-003	7.2000e-003
tblVehicleEF	SBUS	0.34	0.30
tblVehicleEF	SBUS	2.0200e-004	0.00
tblVehicleEF	SBUS	0.08	0.18
tblVehicleEF	SBUS	8.4100e-003	8.2000e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	UBUS	1.41	0.43
tblVehicleEF	UBUS	5.4030e-003	0.01
tblVehicleEF	UBUS	10.60	5.04
tblVehicleEF	UBUS	0.42	1.38
tblVehicleEF	UBUS	1,648.04	1,186.45
tblVehicleEF	UBUS	4.37	10.21
tblVehicleEF	UBUS	0.27	0.17
tblVehicleEF	UBUS	3.9020e-003	0.01
tblVehicleEF	UBUS	0.69	0.29
tblVehicleEF	UBUS	0.04	0.10
tblVehicleEF	UBUS	0.07	0.11
tblVehicleEF	UBUS	0.03	0.03
tblVehicleEF	UBUS	5.0840e-003	5.4000e-003
tblVehicleEF	UBUS	4.3000e-005	1.0000e-004
tblVehicleEF	UBUS	0.03	0.04
tblVehicleEF	UBUS	7.8890e-003	7.2000e-003
tblVehicleEF	UBUS	4.8600e-003	5.2000e-003
tblVehicleEF	UBUS	3.9000e-005	1.0000e-004
tblVehicleEF	UBUS	2.1300e-004	0.02

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	UBUS	3.2570e-003	7.5000e-003
tblVehicleEF	UBUS	1.4100e-004	0.00
tblVehicleEF	UBUS	0.02	0.06
tblVehicleEF	UBUS	8.4800e-004	9.0000e-004
tblVehicleEF	UBUS	0.02	0.04
tblVehicleEF	UBUS	0.01	9.9000e-003
tblVehicleEF	UBUS	4.3000e-005	1.0000e-004
tblVehicleEF	UBUS	2.1300e-004	0.02
tblVehicleEF	UBUS	3.2570e-003	7.5000e-003
tblVehicleEF	UBUS	1.4100e-004	0.00
tblVehicleEF	UBUS	1.44	0.49
tblVehicleEF	UBUS	8.4800e-004	9.0000e-004
tblVehicleEF	UBUS	0.03	0.05
tblVehicleTrips	ST_TR	1.96	0.00
tblVehicleTrips	ST_TR	9.54	9.43
tblVehicleTrips	SU_TR	2.19	0.00
tblVehicleTrips	SU_TR	8.55	9.43
tblVehicleTrips	WD_TR	0.78	0.00
tblVehicleTrips	WD_TR	9.44	9.43
tblWoodstoves	WoodstoveWoodMass	956.80	0.00

2.0 Emissions Summary

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Architectural Coating - 2029

Mitigated Construction Off-Site

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

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Improve Pedestrian Network

Provide Traffic Calming Measures

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.8942	1.3325	7.9345	0.0235	0.9544	0.0183	0.9727	0.2433	0.0171	0.2605						
Unmitigated	0.8997	1.3763	8.1784	0.0247	1.0047	0.0191	1.0238	0.2561	0.0179	0.2741						

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
Single Family Housing	2,696.98	2,696.98	2696.98	6,228,965	5,917,516
Total	2,696.98	2,696.98	2,696.98	6,228,965	5,917,516

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6
Single Family Housing	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.511500	0.037300	0.235600	0.132400	0.028400	0.006900	0.013300	0.025600	0.001900	0.002000	0.003800	0.000600	0.000700
Single Family Housing	0.511500	0.037300	0.235600	0.132400	0.028400	0.006900	0.013300	0.025600	0.001900	0.002000	0.003800	0.000600	0.000700

5.0 Energy Detail

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Historical Energy Use: N

5.1 Mitigation Measures Energy

Install Energy Efficient Appliances

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000						
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000						
NaturalGas Mitigated	0.0411	0.3509	0.1493	2.2400e-003		0.0284	0.0284		0.0284	0.0284						
NaturalGas Unmitigated	0.0411	0.3509	0.1493	2.2400e-003		0.0284	0.0284		0.0284	0.0284						

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						
Single Family Housing	7.61605e+006	0.0411	0.3509	0.1493	2.2400e-003		0.0284	0.0284		0.0284	0.0284						
Total		**0.0411**	**0.3509**	**0.1493**	**2.2400e-003**		**0.0284**	**0.0284**		**0.0284**	**0.0284**						

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						
Single Family Housing	7.61605e+006	0.0411	0.3509	0.1493	2.2400e-003		0.0284	0.0284		0.0284	0.0284						
Total		**0.0411**	**0.3509**	**0.1493**	**2.2400e-003**		**0.0284**	**0.0284**		**0.0284**	**0.0284**						

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0				
Single Family Housing	2.2403e +006				
Total					

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0				
Single Family Housing	2.19222e +006				
Total					

6.0 Area Detail

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	1.9523	0.0454	2.1305	2.5000e-004		0.0135	0.0135		0.0135	0.0135						
Unmitigated	1.9523	0.0454	2.1305	2.5000e-004		0.0135	0.0135		0.0135	0.0135						

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.3624					0.0000	0.0000		0.0000	0.0000						
Consumer Products	1.5238					0.0000	0.0000		0.0000	0.0000						
Hearth	2.4500e-003	0.0210	8.9200e-003	1.3000e-004		1.6900e-003	1.6900e-003		1.6900e-003	1.6900e-003						
Landscaping	0.0637	0.0244	2.1216	1.1000e-004		0.0118	0.0118		0.0118	0.0118						
Total	**1.9523**	**0.0454**	**2.1305**	**2.4000e-004**		**0.0135**	**0.0135**		**0.0135**	**0.0135**						

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.3624					0.0000	0.0000		0.0000	0.0000						
Consumer Products	1.5238					0.0000	0.0000		0.0000	0.0000						
Hearth	2.4500e-003	0.0210	8.9200e-003	1.3000e-004		1.6900e-003	1.6900e-003		1.6900e-003	1.6900e-003						
Landscaping	0.0637	0.0244	2.1216	1.1000e-004		0.0118	0.0118		0.0118	0.0118						
Total	**1.9523**	**0.0454**	**2.1305**	**2.4000e-004**		**0.0135**	**0.0135**		**0.0135**	**0.0135**						

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

Use Water Efficient Irrigation System

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated				
Unmitigated				

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 5.12337				
Single Family Housing	18.6341 / 11.7476				
Total					

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 4.0987				
Single Family Housing	18.6341 / 9.39804				
Total					

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated				
Unmitigated				

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0.37				
Single Family Housing	343.56				
Total					

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0.185				
Single Family Housing	171.78				
Total					

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Bridle Gate - Bay Area AQMD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Bridle Gate

Bay Area AQMD Air District, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
City Park	4.30	Acre	4.30	187,308.00	0
Single Family Housing	286.00	Dwelling Unit	92.86	514,800.00	818

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	64
Climate Zone	4			**Operational Year**	2030
Utility Company	Pacific Gas and Electric Company				
CO2 Intensity (lb/MWhr)	145	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - CO2 Intensity Factor is based on 2016-2018 historical PG&E data, projected to 60% renewables consistent with California RPS for 2030.

Land Use -

Construction Phase - Operational-only run.

Grading -

Vehicle Trips - Project specific.

Vehicle Emission Factors - Updated to EMFAC2021 emission factors, which incorporate newer regulations and projections than the default EMFAC2017 factors.

Vehicle Emission Factors -

Vehicle Emission Factors -

Woodstoves - No wood-burning devices per BAAQMD Regulation 6, Rule 3.

Mobile Land Use Mitigation -

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Energy Mitigation -

Water Mitigation -

Waste Mitigation -

Fleet Mix - Updated to EMFAC2021 fleet mix which incorporates newer regulations and projections than the default EMFAC2017 fleet mix.

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	100.00	0.00
tblConstructionPhase	NumDays	60.00	0.00
tblConstructionPhase	NumDays	155.00	0.00
tblConstructionPhase	NumDays	1,550.00	0.00
tblConstructionPhase	NumDays	110.00	0.00
tblConstructionPhase	NumDays	110.00	0.00
tblFireplaces	FireplaceWoodMass	228.80	0.00
tblFireplaces	NumberGas	71.50	194.48
tblFireplaces	NumberWood	122.98	0.00
tblFleetMix	HHD	7.4300e-003	0.03
tblFleetMix	HHD	7.4300e-003	0.03
tblFleetMix	LDA	0.56	0.50
tblFleetMix	LDA	0.56	0.50
tblFleetMix	LDT1	0.06	0.03
tblFleetMix	LDT1	0.06	0.03
tblFleetMix	LDT2	0.19	0.24
tblFleetMix	LDT2	0.19	0.24
tblFleetMix	LHD1	0.02	0.03
tblFleetMix	LHD1	0.02	0.03
tblFleetMix	LHD2	5.8250e-003	7.0630e-003
tblFleetMix	LHD2	5.8250e-003	7.0630e-003
tblFleetMix	MCY	0.03	3.6790e-003
tblFleetMix	MCY	0.03	3.6790e-003

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblFleetMix	MDV	0.12	0.14
tblFleetMix	MDV	0.12	0.14
tblFleetMix	MH	2.6380e-003	6.4900e-004
tblFleetMix	MH	2.6380e-003	6.4900e-004
tblFleetMix	MHD	0.01	0.01
tblFleetMix	MHD	0.01	0.01
tblFleetMix	OBUS	9.5200e-004	1.8340e-003
tblFleetMix	OBUS	9.5200e-004	1.8340e-003
tblFleetMix	SBUS	8.7500e-004	5.7000e-004
tblFleetMix	SBUS	8.7500e-004	5.7000e-004
tblFleetMix	UBUS	5.0500e-004	1.9250e-003
tblFleetMix	UBUS	5.0500e-004	1.9250e-003
tblProjectCharacteristics	CO2IntensityFactor	203.98	145
tblVehicleEF	HHD	0.02	0.20
tblVehicleEF	HHD	0.05	0.08
tblVehicleEF	HHD	6.22	5.02
tblVehicleEF	HHD	0.41	0.60
tblVehicleEF	HHD	6.5970e-003	1.8390e-003
tblVehicleEF	HHD	920.46	725.42
tblVehicleEF	HHD	1,226.16	1,400.40
tblVehicleEF	HHD	0.06	0.02
tblVehicleEF	HHD	0.15	0.12
tblVehicleEF	HHD	0.19	0.22
tblVehicleEF	HHD	2.0000e-006	1.0000e-006
tblVehicleEF	HHD	5.15	3.85
tblVehicleEF	HHD	2.51	1.47
tblVehicleEF	HHD	2.35	2.62
tblVehicleEF	HHD	2.1390e-003	1.7810e-003
tblVehicleEF	HHD	0.06	0.08

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	1.0000e-006	0.00
tblVehicleEF	HHD	2.0460e-003	1.6970e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8850e-003	8.8120e-003
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	1.0000e-006	4.8000e-005
tblVehicleEF	HHD	7.1000e-005	1.4000e-005
tblVehicleEF	HHD	0.42	0.31
tblVehicleEF	HHD	1.0000e-006	0.00
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	3.2000e-005	1.5000e-005
tblVehicleEF	HHD	2.0000e-006	0.00
tblVehicleEF	HHD	8.5600e-003	6.2820e-003
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	1.0000e-006	0.00
tblVehicleEF	HHD	1.0000e-006	4.8000e-005
tblVehicleEF	HHD	7.1000e-005	1.4000e-005
tblVehicleEF	HHD	0.48	0.54
tblVehicleEF	HHD	1.0000e-006	0.00
tblVehicleEF	HHD	0.07	0.09
tblVehicleEF	HHD	3.2000e-005	1.5000e-005
tblVehicleEF	HHD	2.0000e-006	0.00
tblVehicleEF	LDA	9.9700e-004	1.2860e-003
tblVehicleEF	LDA	0.03	0.05
tblVehicleEF	LDA	0.40	0.48
tblVehicleEF	LDA	1.73	2.19
tblVehicleEF	LDA	202.37	221.67

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	LDA	42.52	56.96
tblVehicleEF	LDA	3.2370e-003	3.2390e-003
tblVehicleEF	LDA	0.02	0.03
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.13	0.19
tblVehicleEF	LDA	0.04	6.8780e-003
tblVehicleEF	LDA	9.4400e-004	8.5800e-004
tblVehicleEF	LDA	1.2860e-003	1.5130e-003
tblVehicleEF	LDA	0.02	2.4070e-003
tblVehicleEF	LDA	8.6900e-004	7.8900e-004
tblVehicleEF	LDA	1.1830e-003	1.3910e-003
tblVehicleEF	LDA	0.02	0.24
tblVehicleEF	LDA	0.07	0.06
tblVehicleEF	LDA	0.02	0.00
tblVehicleEF	LDA	3.3990e-003	4.4970e-003
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.12	0.21
tblVehicleEF	LDA	2.0020e-003	2.1910e-003
tblVehicleEF	LDA	4.2100e-004	5.6300e-004
tblVehicleEF	LDA	0.02	0.24
tblVehicleEF	LDA	0.07	0.06
tblVehicleEF	LDA	0.02	0.00
tblVehicleEF	LDA	4.9360e-003	6.5550e-003
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.14	0.23
tblVehicleEF	LDT1	1.6590e-003	3.1520e-003
tblVehicleEF	LDT1	0.04	0.07
tblVehicleEF	LDT1	0.52	0.86
tblVehicleEF	LDT1	1.86	3.59

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	LDT1	244.39	298.21
tblVehicleEF	LDT1	51.84	76.89
tblVehicleEF	LDT1	3.7700e-003	5.7850e-003
tblVehicleEF	LDT1	0.02	0.03
tblVehicleEF	LDT1	0.03	0.06
tblVehicleEF	LDT1	0.16	0.28
tblVehicleEF	LDT1	0.04	8.8350e-003
tblVehicleEF	LDT1	1.0830e-003	1.2680e-003
tblVehicleEF	LDT1	1.4820e-003	2.1200e-003
tblVehicleEF	LDT1	0.02	3.0920e-003
tblVehicleEF	LDT1	9.9600e-004	1.1660e-003
tblVehicleEF	LDT1	1.3630e-003	1.9490e-003
tblVehicleEF	LDT1	0.04	0.49
tblVehicleEF	LDT1	0.10	0.13
tblVehicleEF	LDT1	0.04	0.00
tblVehicleEF	LDT1	6.4090e-003	0.01
tblVehicleEF	LDT1	0.06	0.05
tblVehicleEF	LDT1	0.16	0.36
tblVehicleEF	LDT1	2.4180e-003	2.9480e-003
tblVehicleEF	LDT1	5.1300e-004	7.6000e-004
tblVehicleEF	LDT1	0.04	0.49
tblVehicleEF	LDT1	0.10	0.13
tblVehicleEF	LDT1	0.04	0.00
tblVehicleEF	LDT1	9.3510e-003	0.02
tblVehicleEF	LDT1	0.06	0.05
tblVehicleEF	LDT1	0.18	0.39
tblVehicleEF	LDT2	1.6620e-003	1.8110e-003
tblVehicleEF	LDT2	0.04	0.06
tblVehicleEF	LDT2	0.53	0.61

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	LDT2	2.28	2.75
tblVehicleEF	LDT2	251.38	305.83
tblVehicleEF	LDT2	53.69	77.01
tblVehicleEF	LDT2	3.9670e-003	4.3960e-003
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.03	0.04
tblVehicleEF	LDT2	0.17	0.25
tblVehicleEF	LDT2	0.04	8.5030e-003
tblVehicleEF	LDT2	1.0370e-003	9.9800e-004
tblVehicleEF	LDT2	1.3450e-003	1.6510e-003
tblVehicleEF	LDT2	0.02	2.9760e-003
tblVehicleEF	LDT2	9.5500e-004	9.1800e-004
tblVehicleEF	LDT2	1.2370e-003	1.5180e-003
tblVehicleEF	LDT2	0.04	0.24
tblVehicleEF	LDT2	0.09	0.06
tblVehicleEF	LDT2	0.05	0.00
tblVehicleEF	LDT2	6.2060e-003	6.5390e-003
tblVehicleEF	LDT2	0.05	0.02
tblVehicleEF	LDT2	0.18	0.27
tblVehicleEF	LDT2	2.4870e-003	3.0230e-003
tblVehicleEF	LDT2	5.3100e-004	7.6100e-004
tblVehicleEF	LDT2	0.04	0.24
tblVehicleEF	LDT2	0.09	0.06
tblVehicleEF	LDT2	0.05	0.00
tblVehicleEF	LDT2	9.0140e-003	9.5270e-003
tblVehicleEF	LDT2	0.05	0.02
tblVehicleEF	LDT2	0.20	0.29
tblVehicleEF	LHD1	4.1460e-003	4.3490e-003
tblVehicleEF	LHD1	5.4760e-003	4.4200e-003

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	LHD1	9.1240e-003	0.02
tblVehicleEF	LHD1	0.18	0.18
tblVehicleEF	LHD1	0.50	0.57
tblVehicleEF	LHD1	0.89	2.04
tblVehicleEF	LHD1	8.34	7.93
tblVehicleEF	LHD1	702.21	673.99
tblVehicleEF	LHD1	10.04	15.86
tblVehicleEF	LHD1	7.4600e-004	6.1300e-004
tblVehicleEF	LHD1	0.04	0.04
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	0.05	0.04
tblVehicleEF	LHD1	0.37	0.38
tblVehicleEF	LHD1	0.23	0.33
tblVehicleEF	LHD1	9.2900e-004	6.9300e-004
tblVehicleEF	LHD1	0.08	0.07
tblVehicleEF	LHD1	9.9180e-003	9.3880e-003
tblVehicleEF	LHD1	7.8050e-003	0.01
tblVehicleEF	LHD1	2.1000e-004	1.3500e-004
tblVehicleEF	LHD1	8.8900e-004	6.6300e-004
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.4790e-003	2.3470e-003
tblVehicleEF	LHD1	7.4230e-003	0.01
tblVehicleEF	LHD1	1.9300e-004	1.2400e-004
tblVehicleEF	LHD1	1.3190e-003	0.09
tblVehicleEF	LHD1	0.06	0.02
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	7.7900e-004	0.00
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.19	0.05

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	LHD1	0.04	0.08
tblVehicleEF	LHD1	8.1000e-005	7.7000e-005
tblVehicleEF	LHD1	6.8460e-003	6.5750e-003
tblVehicleEF	LHD1	9.9000e-005	1.5700e-004
tblVehicleEF	LHD1	1.3190e-003	0.09
tblVehicleEF	LHD1	0.06	0.02
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	7.7900e-004	0.00
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	0.19	0.05
tblVehicleEF	LHD1	0.05	0.09
tblVehicleEF	LHD2	2.5800e-003	2.4290e-003
tblVehicleEF	LHD2	5.3930e-003	4.6200e-003
tblVehicleEF	LHD2	5.0230e-003	8.4820e-003
tblVehicleEF	LHD2	0.13	0.13
tblVehicleEF	LHD2	0.50	0.40
tblVehicleEF	LHD2	0.49	1.05
tblVehicleEF	LHD2	13.05	12.64
tblVehicleEF	LHD2	686.39	723.18
tblVehicleEF	LHD2	6.59	8.16
tblVehicleEF	LHD2	1.6650e-003	1.5860e-003
tblVehicleEF	LHD2	0.06	0.07
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.08	0.07
tblVehicleEF	LHD2	0.42	0.52
tblVehicleEF	LHD2	0.13	0.18
tblVehicleEF	LHD2	1.4850e-003	1.3590e-003
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.01	0.01

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	1.0500e-004	5.3000e-005
tblVehicleEF	LHD2	1.4200e-003	1.3000e-003
tblVehicleEF	LHD2	0.04	0.03
tblVehicleEF	LHD2	2.7080e-003	2.6360e-003
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	9.7000e-005	4.9000e-005
tblVehicleEF	LHD2	6.0600e-004	0.05
tblVehicleEF	LHD2	0.03	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.8500e-004	0.00
tblVehicleEF	LHD2	0.10	0.09
tblVehicleEF	LHD2	0.06	0.02
tblVehicleEF	LHD2	0.02	0.04
tblVehicleEF	LHD2	1.2500e-004	1.2100e-004
tblVehicleEF	LHD2	6.6220e-003	6.9580e-003
tblVehicleEF	LHD2	6.5000e-005	8.1000e-005
tblVehicleEF	LHD2	6.0600e-004	0.05
tblVehicleEF	LHD2	0.03	0.01
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	3.8500e-004	0.00
tblVehicleEF	LHD2	0.11	0.10
tblVehicleEF	LHD2	0.06	0.02
tblVehicleEF	LHD2	0.03	0.04
tblVehicleEF	MCY	0.33	0.15
tblVehicleEF	MCY	0.25	0.16
tblVehicleEF	MCY	18.37	11.52
tblVehicleEF	MCY	9.28	8.00
tblVehicleEF	MCY	213.76	187.95

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	MCY	59.74	44.45
tblVehicleEF	MCY	0.07	0.04
tblVehicleEF	MCY	0.02	6.7530e-003
tblVehicleEF	MCY	1.15	0.53
tblVehicleEF	MCY	0.27	0.11
tblVehicleEF	MCY	0.01	0.01
tblVehicleEF	MCY	2.2080e-003	2.0290e-003
tblVehicleEF	MCY	2.8780e-003	3.4260e-003
tblVehicleEF	MCY	5.0400e-003	4.2000e-003
tblVehicleEF	MCY	2.0600e-003	1.8950e-003
tblVehicleEF	MCY	2.6930e-003	3.2080e-003
tblVehicleEF	MCY	0.81	1.92
tblVehicleEF	MCY	0.64	3.57
tblVehicleEF	MCY	0.46	0.00
tblVehicleEF	MCY	2.22	0.95
tblVehicleEF	MCY	0.45	1.38
tblVehicleEF	MCY	1.91	1.20
tblVehicleEF	MCY	2.1150e-003	1.8580e-003
tblVehicleEF	MCY	5.9100e-004	4.3900e-004
tblVehicleEF	MCY	0.81	1.92
tblVehicleEF	MCY	0.64	3.57
tblVehicleEF	MCY	0.46	0.00
tblVehicleEF	MCY	2.78	1.16
tblVehicleEF	MCY	0.45	1.38
tblVehicleEF	MCY	2.08	1.31
tblVehicleEF	MDV	1.7560e-003	2.0620e-003
tblVehicleEF	MDV	0.04	0.07
tblVehicleEF	MDV	0.53	0.64
tblVehicleEF	MDV	2.33	2.84

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	MDV	303.99	365.71
tblVehicleEF	MDV	63.72	91.59
tblVehicleEF	MDV	5.2880e-003	5.3980e-003
tblVehicleEF	MDV	0.02	0.03
tblVehicleEF	MDV	0.03	0.05
tblVehicleEF	MDV	0.18	0.28
tblVehicleEF	MDV	0.04	8.5500e-003
tblVehicleEF	MDV	1.0420e-003	9.8000e-004
tblVehicleEF	MDV	1.3490e-003	1.6140e-003
tblVehicleEF	MDV	0.02	2.9930e-003
tblVehicleEF	MDV	9.6000e-004	9.0300e-004
tblVehicleEF	MDV	1.2400e-003	1.4840e-003
tblVehicleEF	MDV	0.05	0.28
tblVehicleEF	MDV	0.10	0.07
tblVehicleEF	MDV	0.06	0.00
tblVehicleEF	MDV	6.7610e-003	7.9130e-003
tblVehicleEF	MDV	0.05	0.03
tblVehicleEF	MDV	0.20	0.31
tblVehicleEF	MDV	3.0040e-003	3.6130e-003
tblVehicleEF	MDV	6.3100e-004	9.0500e-004
tblVehicleEF	MDV	0.05	0.28
tblVehicleEF	MDV	0.10	0.07
tblVehicleEF	MDV	0.06	0.00
tblVehicleEF	MDV	9.7950e-003	0.01
tblVehicleEF	MDV	0.05	0.03
tblVehicleEF	MDV	0.22	0.34
tblVehicleEF	MH	5.0570e-003	6.1360e-003
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	0.32	0.38

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	MH	1.63	1.90
tblVehicleEF	MH	1,351.69	1,649.67
tblVehicleEF	MH	15.45	19.86
tblVehicleEF	MH	0.05	0.07
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	1.09	1.32
tblVehicleEF	MH	0.24	0.30
tblVehicleEF	MH	0.13	0.04
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	2.0900e-004	2.3000e-004
tblVehicleEF	MH	0.06	0.02
tblVehicleEF	MH	3.3000e-003	3.3430e-003
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	1.9300e-004	2.1100e-004
tblVehicleEF	MH	0.31	19.83
tblVehicleEF	MH	0.03	4.82
tblVehicleEF	MH	0.13	0.00
tblVehicleEF	MH	0.04	0.05
tblVehicleEF	MH	5.4940e-003	1.1980e-003
tblVehicleEF	MH	0.07	0.09
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	1.5300e-004	1.9600e-004
tblVehicleEF	MH	0.31	19.83
tblVehicleEF	MH	0.03	4.82
tblVehicleEF	MH	0.13	0.00
tblVehicleEF	MH	0.05	0.06
tblVehicleEF	MH	5.4940e-003	1.1980e-003
tblVehicleEF	MH	0.08	0.10

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	MHD	3.2270e-003	0.02
tblVehicleEF	MHD	9.3800e-004	0.01
tblVehicleEF	MHD	7.0270e-003	6.4350e-003
tblVehicleEF	MHD	0.40	0.63
tblVehicleEF	MHD	0.15	0.16
tblVehicleEF	MHD	0.73	0.70
tblVehicleEF	MHD	70.46	145.62
tblVehicleEF	MHD	968.31	1,077.81
tblVehicleEF	MHD	7.11	6.60
tblVehicleEF	MHD	0.01	0.02
tblVehicleEF	MHD	0.13	0.14
tblVehicleEF	MHD	6.4400e-003	4.6530e-003
tblVehicleEF	MHD	0.38	0.74
tblVehicleEF	MHD	1.43	0.60
tblVehicleEF	MHD	1.78	1.23
tblVehicleEF	MHD	1.6900e-004	6.3500e-004
tblVehicleEF	MHD	0.13	0.04
tblVehicleEF	MHD	6.9630e-003	5.3070e-003
tblVehicleEF	MHD	9.0000e-005	7.7000e-005
tblVehicleEF	MHD	1.6100e-004	6.0700e-004
tblVehicleEF	MHD	0.06	0.02
tblVehicleEF	MHD	6.6560e-003	5.0700e-003
tblVehicleEF	MHD	8.3000e-005	7.1000e-005
tblVehicleEF	MHD	2.2800e-004	0.02
tblVehicleEF	MHD	0.01	3.6090e-003
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	1.4600e-004	0.00
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.01	9.4520e-003

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	6.6800e-004	1.3380e-003
tblVehicleEF	MHD	9.2240e-003	0.01
tblVehicleEF	MHD	7.0000e-005	6.5000e-005
tblVehicleEF	MHD	2.2800e-004	0.02
tblVehicleEF	MHD	0.01	3.6090e-003
tblVehicleEF	MHD	0.02	0.04
tblVehicleEF	MHD	1.4600e-004	0.00
tblVehicleEF	MHD	0.01	0.03
tblVehicleEF	MHD	0.01	9.4520e-003
tblVehicleEF	MHD	0.04	0.04
tblVehicleEF	OBUS	7.3320e-003	7.7890e-003
tblVehicleEF	OBUS	2.4610e-003	0.01
tblVehicleEF	OBUS	0.02	0.01
tblVehicleEF	OBUS	0.69	0.57
tblVehicleEF	OBUS	0.29	0.32
tblVehicleEF	OBUS	1.68	1.57
tblVehicleEF	OBUS	102.80	91.68
tblVehicleEF	OBUS	1,219.51	1,293.30
tblVehicleEF	OBUS	14.05	13.22
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	0.12	0.15
tblVehicleEF	OBUS	0.02	0.01
tblVehicleEF	OBUS	0.46	0.34
tblVehicleEF	OBUS	1.41	0.89
tblVehicleEF	OBUS	1.11	0.91
tblVehicleEF	OBUS	1.5300e-004	3.1200e-004
tblVehicleEF	OBUS	0.13	0.05
tblVehicleEF	OBUS	8.0870e-003	0.01

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	OBUS	1.5700e-004	1.3000e-004
tblVehicleEF	OBUS	1.4600e-004	2.9900e-004
tblVehicleEF	OBUS	0.06	0.02
tblVehicleEF	OBUS	7.7230e-003	0.01
tblVehicleEF	OBUS	1.4500e-004	1.2000e-004
tblVehicleEF	OBUS	1.0910e-003	0.07
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	0.04
tblVehicleEF	OBUS	5.3900e-004	0.00
tblVehicleEF	OBUS	0.02	0.04
tblVehicleEF	OBUS	0.05	0.02
tblVehicleEF	OBUS	0.08	0.08
tblVehicleEF	OBUS	9.7600e-004	8.6400e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	1.3900e-004	1.3100e-004
tblVehicleEF	OBUS	1.0910e-003	0.07
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.07	0.06
tblVehicleEF	OBUS	5.3900e-004	0.00
tblVehicleEF	OBUS	0.02	0.05
tblVehicleEF	OBUS	0.05	0.02
tblVehicleEF	OBUS	0.09	0.08
tblVehicleEF	SBUS	0.06	0.09
tblVehicleEF	SBUS	3.4080e-003	0.12
tblVehicleEF	SBUS	4.8910e-003	4.5310e-003
tblVehicleEF	SBUS	2.56	1.70
tblVehicleEF	SBUS	0.29	0.73
tblVehicleEF	SBUS	0.68	0.59
tblVehicleEF	SBUS	316.42	179.94

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	SBUS	936.84	950.92
tblVehicleEF	SBUS	3.97	3.50
tblVehicleEF	SBUS	0.04	0.02
tblVehicleEF	SBUS	0.12	0.12
tblVehicleEF	SBUS	4.9690e-003	4.4020e-003
tblVehicleEF	SBUS	2.32	1.05
tblVehicleEF	SBUS	2.57	1.45
tblVehicleEF	SBUS	1.41	0.53
tblVehicleEF	SBUS	1.5510e-003	7.0100e-004
tblVehicleEF	SBUS	0.74	0.04
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	8.2170e-003
tblVehicleEF	SBUS	5.9000e-005	4.4000e-005
tblVehicleEF	SBUS	1.4840e-003	6.6900e-004
tblVehicleEF	SBUS	0.32	0.02
tblVehicleEF	SBUS	2.7130e-003	2.6220e-003
tblVehicleEF	SBUS	0.02	7.8430e-003
tblVehicleEF	SBUS	5.4000e-005	4.1000e-005
tblVehicleEF	SBUS	5.4600e-004	0.03
tblVehicleEF	SBUS	5.4730e-003	7.8400e-003
tblVehicleEF	SBUS	0.26	0.18
tblVehicleEF	SBUS	2.7600e-004	0.00
tblVehicleEF	SBUS	0.05	0.04
tblVehicleEF	SBUS	0.01	9.9350e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	3.0130e-003	1.5920e-003
tblVehicleEF	SBUS	8.9520e-003	8.7240e-003
tblVehicleEF	SBUS	3.9000e-005	3.5000e-005
tblVehicleEF	SBUS	5.4600e-004	0.03

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	SBUS	5.4730e-003	7.8400e-003
tblVehicleEF	SBUS	0.38	0.31
tblVehicleEF	SBUS	2.7600e-004	0.00
tblVehicleEF	SBUS	0.06	0.16
tblVehicleEF	SBUS	0.01	9.9350e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	UBUS	1.76	0.56
tblVehicleEF	UBUS	4.9700e-003	8.9120e-003
tblVehicleEF	UBUS	13.30	6.48
tblVehicleEF	UBUS	0.42	1.32
tblVehicleEF	UBUS	1,631.09	945.26
tblVehicleEF	UBUS	4.00	9.39
tblVehicleEF	UBUS	0.27	0.13
tblVehicleEF	UBUS	3.6960e-003	0.01
tblVehicleEF	UBUS	0.68	0.21
tblVehicleEF	UBUS	0.04	0.08
tblVehicleEF	UBUS	0.07	0.10
tblVehicleEF	UBUS	0.03	0.03
tblVehicleEF	UBUS	4.9500e-003	4.0530e-003
tblVehicleEF	UBUS	5.0000e-005	5.7000e-005
tblVehicleEF	UBUS	0.03	0.03
tblVehicleEF	UBUS	7.8890e-003	7.1590e-003
tblVehicleEF	UBUS	4.7320e-003	3.8700e-003
tblVehicleEF	UBUS	4.6000e-005	5.2000e-005
tblVehicleEF	UBUS	1.4800e-004	0.02
tblVehicleEF	UBUS	1.8210e-003	5.0980e-003
tblVehicleEF	UBUS	8.8000e-005	0.00
tblVehicleEF	UBUS	0.03	0.04
tblVehicleEF	UBUS	3.8300e-004	8.3800e-004

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	UBUS	0.02	0.03
tblVehicleEF	UBUS	0.01	7.3210e-003
tblVehicleEF	UBUS	4.0000e-005	9.3000e-005
tblVehicleEF	UBUS	1.4800e-004	0.02
tblVehicleEF	UBUS	1.8210e-003	5.0980e-003
tblVehicleEF	UBUS	8.8000e-005	0.00
tblVehicleEF	UBUS	1.79	0.61
tblVehicleEF	UBUS	3.8300e-004	8.3800e-004
tblVehicleEF	UBUS	0.02	0.04
tblVehicleTrips	ST_TR	1.96	0.00
tblVehicleTrips	ST_TR	9.54	9.43
tblVehicleTrips	SU_TR	2.19	0.00
tblVehicleTrips	SU_TR	8.55	9.43
tblVehicleTrips	WD_TR	0.78	0.00
tblVehicleTrips	WD_TR	9.44	9.43
tblWoodstoves	WoodstoveWoodMass	956.80	0.00

2.0 Emissions Summary

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022								0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2023								0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2029								0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum								**0.0000**			**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022								0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2023								0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2029								0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum								**0.0000**			**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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

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

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area											0.0000	27.7477	27.7477	3.7700e-003	4.5000e-004	27.9746
Energy											0.0000	553.7679	553.7679	0.0413	0.0115	558.2327
Mobile								0.5293			0.0000	2,122.1181	2,122.1181	0.0902	0.1154	2,158.7598
Waste											69.8147	0.0000	69.8147	4.1259	0.0000	172.9629
Water											5.9117	10.5153	16.4270	0.6096	0.0146	36.0255
Total								**0.5293**			**75.7264**	**2,714.1489**	**2,789.8753**	**4.8708**	**0.1420**	**2,953.9555**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area											0.0000	27.7477	27.7477	3.7700e-003	4.5000e-004	27.9746
Energy											0.0000	550.6057	550.6057	0.0406	0.0114	555.0265
Mobile								0.5029			0.0000	2,020.1680	2,020.1680	0.0885	0.1111	2,055.4969
Waste											34.9073	0.0000	34.9073	2.0630	0.0000	86.4815
Water											5.9117	9.7385	15.6503	0.6094	0.0146	35.2379
Total								**0.5029**			**40.8191**	**2,608.2599**	**2,649.0790**	**2.8052**	**0.1376**	**2,760.2173**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**5.00**	**0.00**	**0.00**	**46.10**	**3.90**	**5.05**	**42.41**	**3.08**	**6.56**

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	1/18/2022	1/17/2022	5	0	
2	Site Preparation	Site Preparation	6/7/2022	6/6/2022	5	0	
3	Grading	Grading	8/30/2022	8/29/2022	5	0	

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Architectural Coating - 2029

Mitigated Construction Off-Site

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

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Improve Pedestrian Network

Provide Traffic Calming Measures

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated								0.5029			0.0000	2,020.1680	2,020.1680	0.0885	0.1111	2,055.4969
Unmitigated								0.5293			0.0000	2,122.1181	2,122.1181	0.0902	0.1154	2,158.7598

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
Single Family Housing	2,696.98	2,696.98	2696.98	6,228,965	5,917,516
Total	2,696.98	2,696.98	2,696.98	6,228,965	5,917,516

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6
Single Family Housing	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.503199	0.033580	0.242046	0.137254	0.028686	0.007063	0.013389	0.026125	0.001834	0.001925	0.003679	0.000570	0.000649
Single Family Housing	0.503199	0.033580	0.242046	0.137254	0.028686	0.007063	0.013389	0.026125	0.001834	0.001925	0.003679	0.000570	0.000649

5.0 Energy Detail

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Historical Energy Use: N

5.1 Mitigation Measures Energy

Install Energy Efficient Appliances

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated											0.0000	144.1844	144.1844	0.0328	3.9800e-003	146.1900
Electricity Unmitigated											0.0000	147.3466	147.3466	0.0335	4.0600e-003	149.3962
NaturalGas Mitigated											0.0000	406.4214	406.4214	7.7900e-003	7.4500e-003	408.8365
NaturalGas Unmitigated											0.0000	406.4214	406.4214	7.7900e-003	7.4500e-003	408.8365

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
City Park	0											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	7.61605e+006											0.0000	406.4214	406.4214	7.7900e-003	7.4500e-003	408.8365
Total												**0.0000**	**406.4214**	**406.4214**	**7.7900e-003**	**7.4500e-003**	**408.8365**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
City Park	0											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	7.61605e+006											0.0000	406.4214	406.4214	7.7900e-003	7.4500e-003	408.8365
Total												**0.0000**	**406.4214**	**406.4214**	**7.7900e-003**	**7.4500e-003**	**408.8365**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	2.2403e+006	147.3466	0.0335	4.0600e-003	149.3962
Total		**147.3466**	**0.0335**	**4.0600e-003**	**149.3962**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	2.19222e+006	144.1844	0.0328	3.9800e-003	146.1900
Total		**144.1844**	**0.0328**	**3.9800e-003**	**146.1900**

6.0 Area Detail

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated											0.0000	27.7477	27.7477	3.7700e-003	4.5000e-004	27.9746
Unmitigated											0.0000	27.7477	27.7477	3.7700e-003	4.5000e-004	27.9746

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth											0.0000	24.2788	24.2788	4.7000e-004	4.5000e-004	24.4230
Landscaping											0.0000	3.4689	3.4689	3.3100e-003	0.0000	3.5515
Total											**0.0000**	**27.7477**	**27.7477**	**3.7800e-003**	**4.5000e-004**	**27.9746**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth											0.0000	24.2788	24.2788	4.7000e-004	4.5000e-004	24.4230
Landscaping											0.0000	3.4689	3.4689	3.3100e-003	0.0000	3.5515
Total											**0.0000**	**27.7477**	**27.7477**	**3.7800e-003**	**4.5000e-004**	**27.9746**

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

Use Water Efficient Irrigation System

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	15.6503	0.6094	0.0146	35.2379
Unmitigated	16.4270	0.6096	0.0146	36.0255

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 5.12337	1.1794	2.7000e-004	3.0000e-005	1.1958
Single Family Housing	18.6341 / 11.7476	15.2476	0.6093	0.0146	34.8297
Total		**16.4270**	**0.6096**	**0.0146**	**36.0255**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 4.0987	0.9435	2.1000e-004	3.0000e-005	0.9566
Single Family Housing	18.6341 / 9.39804	14.7067	0.6092	0.0146	34.2813
Total		**15.6503**	**0.6094**	**0.0146**	**35.2380**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	34.9073	2.0630	0.0000	86.4815
Unmitigated	69.8147	4.1259	0.0000	172.9629

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0.37	0.0751	4.4400e-003	0.0000	0.1861
Single Family Housing	343.56	69.7396	4.1215	0.0000	172.7769
Total		**69.8147**	**4.1259**	**0.0000**	**172.9629**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0.185	0.0376	2.2200e-003	0.0000	0.0930
Single Family Housing	171.78	34.8698	2.0608	0.0000	86.3884
Total		**34.9073**	**2.0630**	**0.0000**	**86.4815**

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Construction Emissions
Bridle Gate
Brentwood, California

Summary of Construction Emissions by Source

Construction Subphase	Source	Year	CAP Emissions (lb/year)[1]				GHG Emissions (lb/year)[2]			
			ROG	NO_x	PM_{10} (Exhaust)	$PM_{2.5}$ (Exhaust)	CO_2	CH_4	N_2O	CO_2e
Site Preparation	On-Site Exhaust	2024	44	1,708	36	32	264,787	11	2.1	265,696
	Mobile Exhaust		3.9	3.0	0.045	0.042	8,359	0.30	0.27	8,445
Grading	On-Site Exhaust	2024	69	818	25	24	541,052	22	4.4	542,908
	Mobile Exhaust		7.1	5.5	0.083	0.076	15,231	0.55	0.48	15,389
	On-Site Exhaust	2025	220	2,469	78	74	1,722,302	70	14	1,728,212
	Mobile Exhaust		21	16	0.25	0.23	47,531	1.6	1.5	48,005
	On-Site Exhaust	2026	82	868	29	27	640,062	26	5.2	642,258
	Mobile Exhaust		7.5	5.4	0.090	0.083	17,319	0.57	0.51	17,485
Building Construction	On-Site Exhaust	2026	151	1,616	49	46	393,147	16	3.2	394,497
	Mobile Exhaust		418	1,397	15	14	1,662,364	31	145	1,706,367
	On-Site Exhaust	2027	232	2,451	71	66	625,637	25	5.1	627,784
	Mobile Exhaust		634	2,110	23	22	2,603,046	46	226	2,671,648
	On-Site Exhaust	2028	107	1,116	31	28	299,682	12	2.4	300,711
	Mobile Exhaust		292	961	11	9.9	1,226,852	21	106	1,259,057
Paving	On-Site Exhaust	2028	54	895	34	32	203,989	8.3	1.7	204,689
	Mobile Exhaust		7.2	4.8	0.084	0.077	17,408	0.51	0.48	17,564
	Paving		7.5	--	--	--	--	--	--	--
	On-Site Exhaust	2029	6.0	97	3.6	3.3	22,659	0.92	0.18	22,737
	Mobile Exhaust		0.76	0.49	0.0088	0.0081	1,900	0.054	0.051	1,917
	Paving		0.77	--	--	--	--	--	--	--
Architectural Coating	On-Site Exhaust	2029	25	195	3.2	2.9	32,843	1.3	0.27	32,956
	Mobile Exhaust		103	67	1.2	1.1	259,707	7.3	7.0	261,972
	Architectural Coating		2,402	--	--	--	--	--	--	--
	On-Site Exhaust	2030	26	205	2.9	2.6	34,847	1.4	0.28	34,966
	Mobile Exhaust		105	66	1.2	1.1	270,964	7.3	7.1	273,263
	Architectural Coating		2,548	--	--	--	--	--	--	--
	On-Site Exhaust	2031	4.1	33	0.41	0.37	5,741	0.23	0.047	5,761
	Mobile Exhaust		16	10	0.19	0.17	44,011	1.1	1.1	44,374
	Architectural Coating		420	--	--	--	--	--	--	--

Summary of Construction Emissions by Year

Year	Daily Average CAP Emissions (lb/day)[3]				Daily Average GHG Emissions (MT/year)			
	ROG	NO_x	PM_{10} (Exhaust)	$PM_{2.5}$ (Exhaust)	CO_2	CH_4	N_2O	CO_2e
2024	0.94	19	0.46	0.42	415	0.017	0.0036	378
2025	0.92	9.5	0.30	0.29	885	0.036	0.0077	806
2026	2.5	15	0.36	0.34	1,356	0.037	0.077	1,252
2027	3.3	17	0.36	0.34	1,614	0.036	0.12	1,497
2028	1.8	11	0.29	0.27	874	0.021	0.055	808
2029	9.8	1.4	0.031	0.028	159	0.0048	0.0037	145
2030	10	1.0	0.016	0.014	153	0.0043	0.0037	140
2031	10	1.0	0.014	0.013	25	6.8E-04	5.9E-04	23
BAAQMD Thresholds[4]	**54**	**54**	**82**	**54**	--	--	--	--
Exceed Thresholds?	**No**	**No**	**No**	**No**	**--**	**--**	**--**	**--**

Notes:

1. Emissions were estimated using off-road construction equipment emission factors from CalEEMod and on-road emission factors from EMFAC2021. The emissions above include emissions from emissions from offroad equipment, emissions from worker and vendor trips, and off-gassing emissions from paving and architectural coating. BAAQMD construction thresholds for PM10 and PM2.5 evaluate only exhaust emissions.
2. Emission factors for CO2e were estimated by multiplying the CH4 and N2O emission factors by their global warming potentials from the 40 CFR Part 98 Subpart A, Table A-1.
3. CAP emissions are averaged over the number of workdays per year for each year in the construction period starting in July 2024.
4. Thresholds are from BAAQMD Guidance for Assessing and Mitigating Air Quality Impacts. For PM, this excludes construction fugitive emissions. There are currently no CEQA thresholds for GHG emissions from project construction.

Abbreviations:

CalEEMod - California Emissions Estimator Model
EMFAC2021 - California Air Resources Board EMission FACtor model
ROG - reactive organic gas
NOx - nitrogen dioxide
$PM_{2.5}$ - particulate matter < 2.5 µm
PM_{10} - particulate matter < 10 µm
lb - pound
CAP - criteria air pollutant

References:

The California Emissions Estimator Model (CalEEMod). Available at: http://www.caleemod.com/

California Environmental Quality Act Air Quality Guidelines. 2017. Available at: https://www.baaqmd.gov/~/media/Files/Planning%20and%20Research/CEQA/%20Draft_BAAQMD_CEQA_Guidelines_May_2010_Final.ashx

Federal Register EPA; 40 CFR Part 98 Subpart A, Table A-1, Available at: https://www.ecfr.gov/current/title-40/chapter-I/subchapter-C/part-98/subpart-A/appendix-Table%20A-1%20to%20Subpart%20A%20of%20Part%2098