Appendix B Air Quality and Greenhouse Gas Emissions



Highway 12 Logistics Center Air Quality Technical Memorandum

August 2023

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Acronyms and Abbreviations

AECOM Technical Services, Inc.

AERMOD Environmental Protection Agency preferred air dispersion model

ARB California Air Resources Board

BAAQMD Bay Area Air Quality Management District

CalEEMod California Emissions Estimator Model

CAPCOA California Air Pollution Control Officers Association

CEQA California Environmental Quality Act

CPF cancer potency factor
DPM diesel particulate matter

EIR Environmental Impact Report

g/s grams per second

GEP Good Engineering Practice

HI hazard index

HARP2 California Air Resources' Board Hot Spots Analysis and Reporting

Program

HRA Health Risk Assessment

m meter

µg/m³ micrograms per cubic meter
NAD83 North American Datum 1983
NED National Elevation Dataset

NO_X oxides of nitrogen

PM₁₀ respirable particulate matter equal to or less than 10 micrometers in

diameter

PM_{2.5} particulate matter less than 2.5 micrograms in diameter

OEHHA California Office of Environmental Health Hazard Assessment

proposed project Highway 12 Logistics Center

RMP Risk Management Policy

ROG reactive organic gas

SCAQMD South Coast Air Quality Management District
SJVAPCD San Joaquin Valley Air Pollution Control District

TAC toxic air contaminants

TRU transportation refrigeration unit

US EPA United States Environmental Protection Agency

USGS United State Geological Survey
UTM Universal Transverse Mercator

1. Introduction

The air quality analysis and health risk assessment (HRA) were prepared consistent with guidance and methodologies from local, regional, State, and federal agencies, including Bay Area Air Quality Management District (BAAQMD), the California Air Resources Board (ARB), the Office of Environmental Health Hazard Assessment (OEHHA), and the United States Environmental Protection Agency (US EPA).

The proposed Project site is bounded to the east by the Union Pacific Railroad and to the north by State Highway 12. The western perimeter of the proposed Project site is bounded by the eastern edge of Ledgewood Creek in the northern portion of the site and Orehr Road in the southern portion of the proposed Project site. To the south, the proposed Project site meets the Suisun Marsh.

The California Northern Railroad is oriented west to east, horizontally dividing the proposed Project site and meeting with the Union Pacific Railroad tracks at the western perimeter of the proposed Project site. Pennsylvania Avenue is located in the northern portion of the proposed Project site, from the California Northern Railroad line to and north of Highway 12.

See **Figure 1-1** for the proposed Project site's location within the region, and **Figure 1-2** for a more detailed depiction of the proposed Project site within the local vicinity.

1.1 Proposed Project

As outlined in the Environmental Impact Report (EIR), the proposed Project plans to develop approximately 1.28 million square feet of building space on approximately 93 acres of land area (Development Area), as well as establish wetlands within a Managed Open Space area. The Development Area would encompass three separate Planning Areas (1, 2, 3) and consist of six buildings, as summarized in **Table 1-1** and **Table 1-2** and shown in **Figure 1-3**.

Planning Area 1 would be bounded by the California Northern Railroad tracks to the south and Pennsylvania Avenue to the west. Planning Area 2 would be bounded by Cordelia Road to the south and southwest and by the Union Pacific Railroad tracks to the north. Planning Area 3, would be east of Pennsylvania Avenue, somewhat centrally located along the eastern perimeter of Planning Area 1, with the former landfill parcel fenced along the northern boundary and undeveloped land to the east and south; Pennsylvania Avenue Creek runs along the eastern perimeter of Planning Area 3.

Construction of the proposed Project would be phased, subject to market conditions. On-site construction activities would include site clearing, excavation and fill, grading, utility trenching, foundation and building construction, paving and architectural coatings. Additional off-site construction activities would include utility trenching and installation and roadway improvements. Phase 1 of construction would include site preparation, grading, utility trenching for the entire Development Area and off-site improvements, as well as off-site roadway improvements described above, and is assumed to last for approximately 9 months. Phase 1 initial site work would be followed by Phase 2 development that would include construction of Buildings A and B/C and the related on-site parking and circulation and stormwater improvements. Phase 3 would include the balance of the proposed Project construction, including Buildings D through G and related on-site parking, circulation, stormwater, and other improvements. Phase 2 and Phase 3 are assumed to last for approximately 10 months each.

Table 1-1 Proposed Project Site Planning Areas

Planning Area	Acreage ¹	Associated Buildings	Paved Area ² (acres)
1	69.55	A, B/C, D, E	1,260,894
2	13.14	F	169,606
3	10.71	G	176,362
Total Development Area	93.4	A through G	1,606,862

Notes to Table 1-1:

Table 1-2 Proposed Project Buildings and Parking

Proposed Buildings	Building Square Footage	Parking Stalls	
A	152,305	416	
B/C	710,489	771	
D	56,880	183	
E	56,880	197	
F	172,380	269	
G	127,303	188	
All Proposed Buildings	1,276,237	2,024	

^{1.} Totals do not add due to rounding.

^{2.} Paved area listed is inclusive of parking, hardscaped areas, and associated roadway improvements.

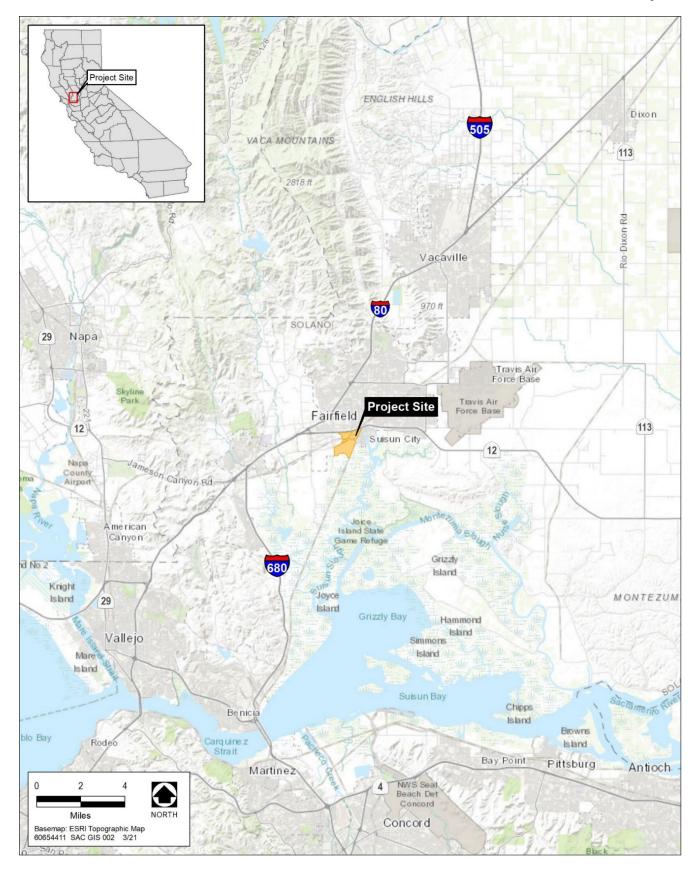


Figure 1-1 Regional Location

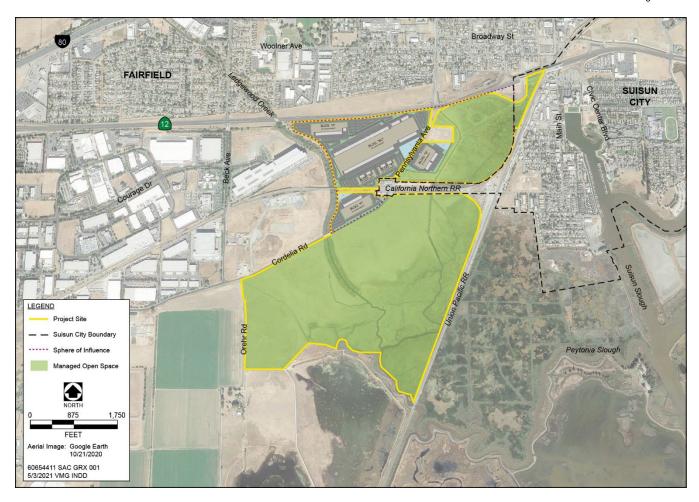
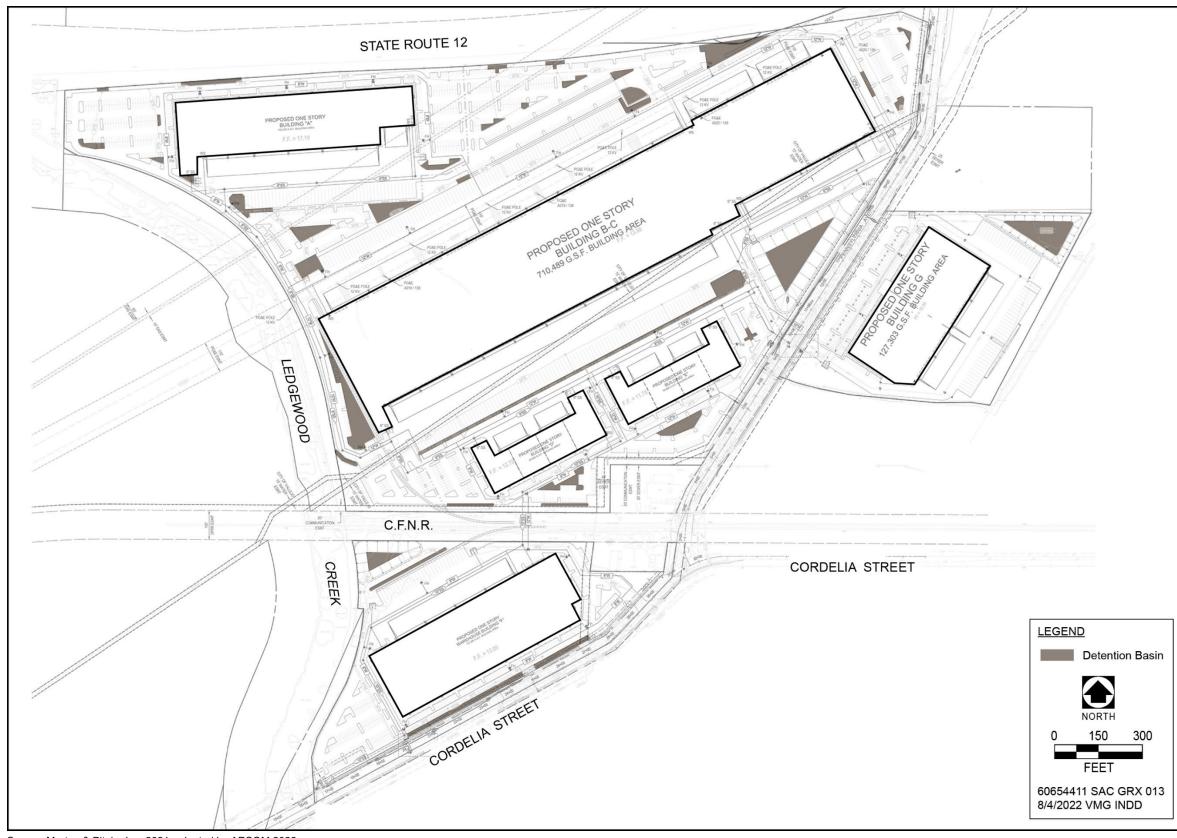


Figure 1-2 Development Area



Source: Morton & Pitalo, Inc. 2021, adapted by AECOM 2022
Figure 1-3 Proposed Project Plan

1.2 Health Risk Background

The US EPA regulates hazardous air pollutants, also known as toxic air contaminants (TACs). TACs may be emitted by stationary, area, or mobile sources. Common stationary sources of TAC emissions include gasoline stations, dry cleaners, and diesel backup generators, which are subject to the permit requirements of local air districts. The other, often more substantial, sources of TAC emissions are motor vehicles on freeways, on high-volume roadways, or in other areas with high numbers of diesel vehicles, such as distribution centers. Off-road mobile sources are also major contributors of TAC emissions and include construction equipment, ships, and trains.

TACs collectively refer to a diverse group of air pollutants that are capable of causing chronic (i.e., long-duration) and acute (i.e., severe but short-term) adverse effects on human health, including carcinogenic effects. Human health effects of TACs include birth defects, neurological damage, cancer, and mortality. There are hundreds of different types of TACs with varying degrees of toxicity. The health risks of individual TACs vary greatly; at a given level of exposure, one TAC may pose a hazard that is many times greater than another.

TACs can be separated into carcinogens and noncarcinogens based on the nature of the effects associated with exposure to the pollutant. For regulatory purposes, carcinogens are assumed to have no safe threshold below which health impacts would not occur. Any exposure to a carcinogen poses some risk of contracting cancer. Noncarcinogens differ in that there is generally assumed to be a safe level of exposure below which no negative health impact is believed to occur. These levels are determined on a pollutant-by-pollutant basis.

Air pollution does not affect every individual in the population in the same way, and some groups are more sensitive than others to adverse health effects. Land uses such as residences, schools, daycare centers, hospitals, and nursing and convalescent homes are considered most sensitive to poor air quality, because the population groups associated with these uses are more susceptible to respiratory distress or, for residential receptors, their exposure time is greater than that for other land uses. Therefore, these groups are referred to as sensitive receptors.

1.3 Thresholds for Determining Significance

For the HRA (cancer, non-cancer chronic and acute risk, and annual particulate matter equal to and less than 2.5 micrometers in diameter [PM_{2.5}] concentration), the modeling results are compared to the BAAQMD California Environmental Quality Act (CEQA) health risk thresholds, as summarized in **Table 1-3.**¹

Table 1-3 CEQA Health Risk Assessment Thresholds

Health Risk	Threshold
Maximum Incremental Cancer Risk	≤ 10 in 1 million
Chronic Non-Cancer, 8-hour Chronic Non-Cancer & Acute Hazard Index	≤ 1.0
Annual PM _{2.5} Concentration	0.3 μg/m ³

Source: BAAQMD 2023

1.4 Objective and Approach

Analysis Evaluation

Bay Area Air Quality Management District. 2023. CEQA Air Quality Guidelines Appendix A: Thresholds of Significance Justification. Table A-1. https://www.baaqmd.gov/~/media/files/planning-and-research/ceqa/ceqa-guidelines-2022/appendix-a-thresholds-of-significance-justification_final-pdf.pdf?la=en

Consistent with CEQA requirements, this analysis evaluates health risk and hazard impacts of short-term construction and long-term operational emissions from the proposed Project on existing sensitive receptors within 1,000 feet of the proposed Project Site and project-related traffic. Due to the phased-approach of the proposed project (i.e., initial construction followed by period of interim operations before the final phase of construction and final operation buildout), health risk was analyzed for the following scenarios:

- Scenario 1: This scenario includes the proposed emissions from Phases 1 and 2 construction activities, followed by a concurrent 0.9-year (10 month) period of Phase 3 construction and interim operations (buildings A through C), with the remaining cancer risk exposure associated with full buildout operations (buildings A through G).
- Scenario 2: This scenario includes 30-year residential and 25-year worker cancer risk exposure only from full buildout operations (buildings A through G).

Phase 1 of construction consists of site preparation and grading of the entire Development Area, establishment of wetlands within the Managed Open Space area, and construction of offsite improvements. Phase 2 construction is the construction of buildings A and B/C and related parking, circulation, stormwater and other improvements. The anticipated duration of Phases 1 and 2 construction activities is approximately 1.7 years (19 months).² Phase 3 construction is the construction of Buildings D through G and related improvements. The anticipated duration of Phase 3 construction activities is approximately 10 months for a total construction duration of 29 months. The duration of each scenario is based on the type of sensitive receptor analyzed. Consistent with BAAQMD CEQA guidance, four receptor types are assessed: residential, worker, student, and child (i.e., childcare facilities). Additional details on the exposure periods and modeled scenarios are presented in Section 4.2, Receptor Exposure and Health Risk Characterization.

Project Emission Sources

This Health Risk Assessment evaluates the following sources of air pollutant emissions and exposures:

- Health risk and hazard impacts of construction emissions from the proposed Project to existing sensitive receptors (off-site residents, workers, childcare and schools) located within 1,000 feet of the Project Site and off-site construction traffic.
- Health risk and hazard impacts of operational emissions associated with the proposed Project
 that have the potential to affect off-site sensitive receptors located within 1,000 feet of the
 Project Site and off-site traffic routes. This includes the addition of emergency generators, fire
 water pumps, transportation refrigeration units (TRUs), and increased traffic to/from the
 proposed Project.

2. Emission Estimates

Construction-related and operational air quality emissions associated with the proposed Project were quantified according to guidance and methods from BAAQMD, CARB, and US EPA. The process for determining the parameters and assumptions used to model these emissions, along with the modeling methods, are described in this section. Emissions were calculated for each year of construction (2024 through 2026), interim operations after the first phase of buildings are constructed, and full operations. Detailed modeling assumptions and outputs are summarized in Attachment A of this AQTR.

2.1 Construction Emissions

Construction of the proposed Project would generate emissions of criteria air pollutants, ozone precursors, and TACs (i.e., diesel particulate matter [DPM]) from a variety of sources, including off-road

² Modeled duration for health risk is slightly longer than then the actual 19-month schedule. This is due to the available exposure durations a user can select in HARP. Therefore, for Phase 1, a modeled duration of 0.8-year (compared 0.75-year actual), for Phases 2 and 3 a modeled duration of 0.9-year (compared to 0.83-year actual).

construction equipment, on-road vehicles, earthmoving activities, architectural coating activities, and offgassing from paving activities. Construction emissions were estimated using CalEEMod (Version 2022.11.1.16). Model defaults were refined using project-specific required the following project information:

- Schedule and duration of construction phases
- Types and sizes (site acreages and building square footages) of land uses to be demolished and developed
- Off-road construction equipment lists and activity schedules
- Construction-related haul-truck traffic volumes (for removing demolition and debris; bringing construction equipment, soil, and materials to the Development Area; and concrete trucks)
- Construction worker traffic volumes
- Earthmoving activities (e.g., cut/fill quantities, grading area)
- · Acres of asphalt paving
- Square footage of areas to receive onsite architectural coatings

Construction of the proposed Project is anticipated to take approximately 29 months. The earliest possible start date is January 2024. Work would typically occur 5 days per week for up to 10 hours per day, with any given piece of equipment operating up to 8 hours per day. On-road construction sources include construction-worker vehicles, haul trucks, and vendor trucks. On-road worker vehicles were modeled from the proposed Project Site along highway 12 to interstate 80, to the east, and north along Pennsylvania Avenue to the intersection of Travis Boulevard.

Additional information on phasing, equipment, and vehicles is included in Attachment A.

Annual construction-related emissions of ozone precursors (i.e., ROG and oxides of nitrogen) and criteria air pollutants (i.e., particulate matter less than or equal to 10 microns in diameter [PM₁₀] and PM_{2.5}) are provided in Attachment A to this AQTR. For each individual year of construction, the annual emissions were divided by the total number of construction work days (based on the total number of weeks of construction to occur in the given year, and assuming 5 construction workdays per week) to calculate average daily construction emissions.

2.2 Operational Emissions

After construction of the proposed Project, long-term operations would generate emissions of criteria air pollutants and TACs (i.e., DPM) from stationary, mobile and area sources.

Stationary Sources

The proposed Project would include the installation and operation of up to six diesel-fired emergency generators and six fire water pumps (one emergency generator and one fire water pump for each building), a source of criteria air pollutants and TACs. Stationary source emissions were estimated using CalEEMod for the earliest possible operational year for each respective set up phased building construction and operations. The emergency generators and fire pumps would comply with BAAQMD Regulation 2, Rule 5 New Source Review for Toxic Air Contaminants; and would comply with BAAQMD testing limits of no more than 100 hours per year per generator.

Mobile Sources

Mobile sources related to the proposed Project would generate emissions both on- and off-site. Roadway segments included in the model extend out approximately 1.3 miles and are discussed in more detail in Section 3.5.2.

On-site mobile source emissions were included in the model for future operations. Two separate internal circulation patterns were analyzed, one for each operational phase (interim and full buildout). Illustrations and model input parameters of the on-site vehicle circulation for trucks and cars associated with the proposed Project are provided in Section 3.5.2, On-Road Mobile Sources

ROG and PM2.5 emissions from the proposed Project's stationary and mobile sources are detailed in Attachment A to this AQTR.

3. Air Dispersion Modeling

Consistent with BAAQMD guidance, the air toxics analysis evaluated health risks and $PM_{2.5}$ concentrations imposed by the proposed Project on the surrounding community per year of construction and under full operational conditions. The American Meteorological Society/U.S. EPA Regulatory Model (AERMOD) dispersion model³ (Version 22112)⁴ was used to estimate pollutant concentrations at specific distances from project emission sources, in conjunction with representative meteorological data. The meteorological dataset that was determined to be the most representative of the project area was Suisun Sewer Treatment Plant (STP) meteorological station. A discussion on the selection of this meteorological dataset is provided in the section below.

3.1 Selection of Representative Meteorological Data

AERMOD requires a sequential hourly record of dispersion meteorology representative of the region within which the proposed Project would be located. BAAQMD provides pre-processed meteorological datafiles that are AERMOD-ready at various locations across the air district. There are two meteorological stations near the City of Suisun City (shown in **Figure 3-1**); Suisun STP station (approximately 2 km southwest of the proposed Project) and Travis Air Force Base (AFB) (approximately 13 km to the northeast of the proposed Project).

Figure 3-2 shows the multi-year period wind roses for (a) Suisun STP and (b) Travis AFB. There are some subtle differences between the two wind roses; fewer calm winds at Suisun STP, a secondary wind maximum at Travis AFB from the northeast, and more of a west-southwest primary flow at Suisun STP compared to a southwest wind at Travis AFB. These differences are likely attributed to localized terrain around Travis AFB. With the Suisun STP site significantly closer to the proposed Project Site with little to no terrain features between them, the Suisun STP site was selected at the most representative meteorological dataset for dispersion modeling of the proposed Project. The most recent data period available from the BAAQMD website is 2013-2017. However, after discussing with BAAQMD staff (personal email communication), calendar year 2015 does not meet US EPA's data capture criteria. Therefore, the dispersion modeling for this application used a 4-year period consisting of calendar years 2012 through 2014 and 2016 through 2017.

³ U.S. Environmental Protection Agency. 2022. AERMOD Modeling System. Available at: https://www.epa.gov/scram/air-quality-dispersion-modeling-preferred-and-recommended-models#aermod. Accessed March 2023.

⁴ Latest version available at the time analysis was performed.

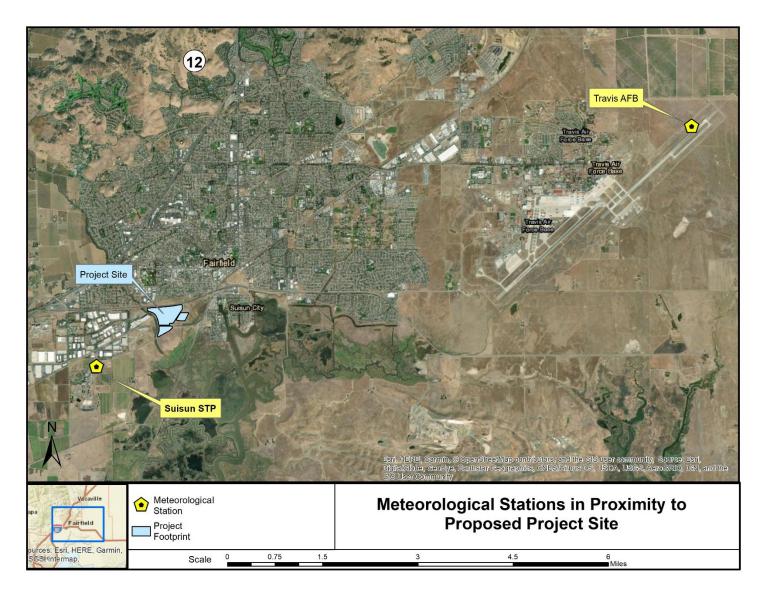


Figure 3-1 Location of Nearby Meteorological Stations

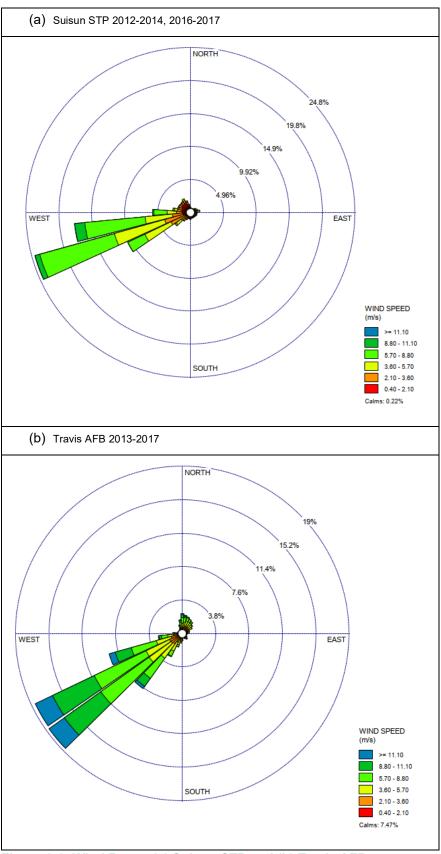


Figure 3-2 Wind Roses (a) Suisun STP and (b) Travis AFB

Source: BAAQMD 2022

3.2 Rural/Urban Dispersion Environment

One of the factors affecting input parameters to dispersion models is the assessment of the mode application and the meteorological site's land use as either rural or urban. US EPA Appendix W guidance suggests that application of a model's dispersion environment as either rural or urban should be based upon the land use characteristics within 3 km of the Development Area(s)⁵. Factors that affect the rural/urban determination, include the extent of vegetated surface area, the water surface area, types of industry and commerce, density of residential areas, and building types and heights within this area.

According to Section 7.2.1.1 of US EPA's Appendix W, either a land use (Auer method) or a population density procedure should be used in determining if the model should be applied as if there is an urban vs. rural dispersion environment. For this application, the Auer method was used. This land-use approach classifies an area according to 12 land-use types. In this scheme, areas of industrial, commercial, and compact residential land use are designated urban. According to US EPA modeling guidelines, if more than 50 percent of an area within a 3-km radius of a site is classified as rural, and the AERMOD's urban source options would not be used.

US EPA has developed AERSURFACE (Version 20060), a tool that analyzes digitized land cover data from satellites.⁶ AERSURFACE can provide a breakdown of the land cover within a user-defined radius (i.e., 3-km). Digitized land cover data from the U.S. Geological Survey (USGS) National Land Cover 2019 archives were used for this analysis. The 2019 archives are the most up-to-date files available. The National Land Cover Data 2019 archive provides data at a spatial resolution of 30 x 30 meter grid cells.⁷

Consistent with BAAQMD guidance, urban land types would consist of developed medium and high intensity classification groups. Based on the output from AERSURFACE, the sum of these two urban land types makes up approximately 42% of the entire 3-km radius around the proposed Project. Therefore, the proposed Project is considered rural and AERMOD was run in default mode without the consideration of any urban source options for all sources modeled. Tables and figures used in the urban/rural analysis are included in Attachment B to this AQTR.

3.3 Terrain and Receptor Data

Consistent with BAAQMD guidance, a cartesian grid of receptors with 20-meter interval spacing (approximately 66 feet) located within 1,000 feet of the project was used in the modeling for both construction and operation phases. To account for the offsite high-traffic nature of the proposed Project, additional receptors were included that reside within 1,000 feet of proposed traffic routes between the Development Area and I-80 and approximately one mile east along Highway 12. The proposed receptors for modeling are shown in **Figure 3-3** and **Figure 3-4** for construction and operations, respectively.

The receptors were assigned a flagpole height of 1.5 meters (approximately 5 feet) for the ground-level residences. All receptor points were modeled. The sensitive receptor location with the highest modeled concentration was evaluated to first determine if the location is a sensitive receptor. If the highest modeled concentration was not an actual sensitive receptor location, the next highest modeled concentration was evaluated to determine if it is a sensitive receptor location, and so on. The highest modeled concentration that corresponds with an actual sensitive receptor location was labeled as the maximally exposed individual sensitive receptor. The closest sensitive receptors are approximately 580 feet to the north of the Development Area along James Street, north of Highway 12. There are also sensitive receptors to the east of the Development Area, approximately 1,400 feet away off of West Street. The closest school is the Sheldon Academy of Innovative Learning located on Woolner Avenue, approximately 1,500 feet north of the Development Area. Further information regarding exposure scenarios evaluated for these receptor locations is provided in Section 4.0, "Health Risk Analysis."

U.S. Environmental Protection Agency (U.S. EPA 2017. Guideline on Air Quality Models (Revised). 40 Code of Federal Regulations, Part 51, Appendix W. Office of Air Quality Planning and Standards. January.

⁶ U.S. Environmental Protection Agency. 2022. AERSURFACE. Available at: https://www.epa.gov/scram/air-quality-dispersion-modeling-related-model-support-programs#aersurface

⁷ USGS, 2023. Multi-Resolution Land Characteristics Consortium: Land Cover Datasets, Available at: https://www.mrlc.gov/viewer/

Terrain elevations were obtained from commercially available digital terrain elevations developed by the U.S. Geological Survey (USGS) by using its National Elevation Dataset (NED).⁸ The NED provides terrain elevations with 3.28-feet (1-meter) vertical resolution and 32.81-feet (10-meter) (1/3 arc-second) horizontal resolution based on a Universal Transverse Mercator (UTM) coordinate system. The U.S. Geological Survey specifies coordinates in North American Datum (NAD) 83, UTM Zone 10. US EPA's AERMOD's terrain pre-processor, AERMAP (version 18081), was used to process the NED data and assign elevations to the receptor locations and sources.⁹

⁸ U.S. Geological Society (USGS). 2021. Multi-Resolution Land Characteristics Consortium. Available at: https://www.mrlc.gov/viewer/. Accessed November 2022.

⁹ U.S. Environmental Protection Agency. 2022. AERSURFACE. Available at: https://www.epa.gov/scram/air-quality-dispersion-modeling-related-model-support-programs#aermap

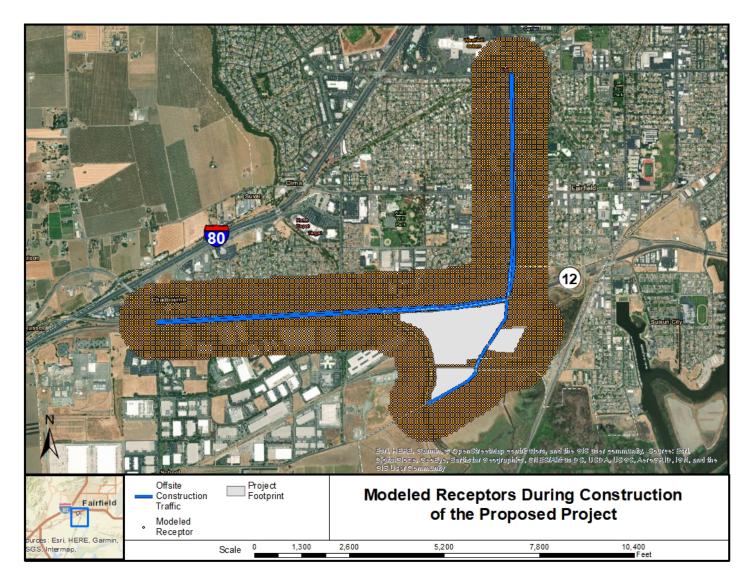


Figure 3-3 Construction HRA Receptor Locations

Notes: Modeling domain shows extend of receptors located within 1,000 feet of Development Area and from on-road construction routes.

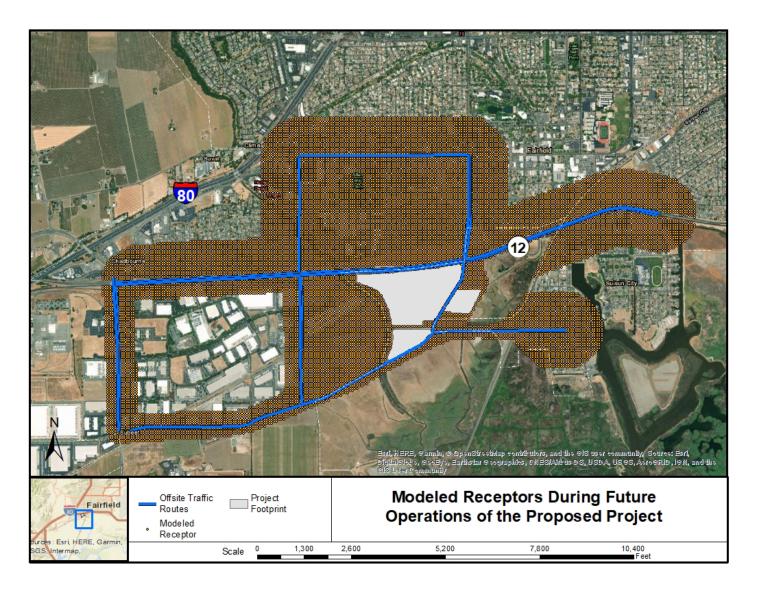


Figure 3-4 Operations HRA Receptor Locations

Notes: Modeling domain shows extend of receptors located within 1,000 feet of Development Area and from on-road traffic routes.

3.4 Construction Sources

Off-road construction equipment was represented by adjacent volume sources Development Area in applicable portions of the Development Area in which construction would occur. The first phase of construction would include demolition, site preparation, rough grading, and utility installation throughout the entire Development Area, as shown in **Figure 3-5**, as well as earthmoving and grading activities for wetland establishment within the Managed Open Space area and offsite utility installation and roadway improvements. This activity would be followed by building construction, architectural and paving occurring in two additional phases of construction. Phase 2 would construct Buildings A and B/C in the approximately northern two-thirds of the Development Area (north of Cordelia Street and Cordelia Road). **Figure 3-5** illustrates the location of the volume sources (denoted by red lines) used in the model to account for the Phase 2 construction area. Phase 3 consists of the remaining approximate one-third of the Development Area, which includes buildings D, E, F, and G. **Figure 3-5** shows the location of the volume sources (denoted by dark blue lines) used in the model for the Phase 3 construction area.

To account for potential turbulent mixing that can occur with engine exhaust from construction equipment, an initial vertical dimension of 1.4 meters for each volume source was used. BAAQMD guidance does not provide specific emission release parameters to use in the model. Therefore, guidance from South Coast Air Quality Management District (SCAQMD) was used. **Table 3-1** lists the volume source parameters to be used for construction-related activities, consistent with SCAQMD guidance (SCAQMD 2008).

Table 3-1 Adjacent Volume Source Parameters

Parameter	Adjacent Volume Sources
Release Height (m)	5.0
Lateral Dimension (m) ¹	10 by 10
Initial Vertical Height (m)	1.4
Notes: m = meters.	

Source: SCAQMD 2008

¹ For projects areas less than 5 acres.

On-road emissions from construction worker vehicles, haul trucks, material delivery trucks, and on-site work trucks traveling to and from the proposed Project Site were modeled as adjacent volume sources. Following BAAQMD guidance¹⁰, the release height was set to 1.30 and 3.40 meters for nontrucks and trucks, respectively. The initial vertical dimension was set to 1.21 and 3.16 meters for nontrucks and trucks respectively. The initial lateral dimensions vary depending on roadway width. Construction-related traffic is anticipated to access the proposed Project Site from one of three different routes (west, south, and north). The west route includes traffic to/from the proposed Project Site along Highway 12 and interstate 80 (I-80). The route southern route includes traffic to/from the proposed Project Site along Pennsylvania Avenue (south of Highway 12) to Cordelia Road and the intersection with Beck Avenue. The northern route includes traffic to/from the proposed Project along Pennsylvania Avenue (north of Highway 12) to the intersection of Pennsylvania Avenue and Travis Boulevard.

As shown in **Figure 3-6**, traffic was modelled along these routes, which totals approximately 35,000 feet of roadway. Emissions associated with construction personnel commute, haul truck, and material delivery trips were scaled by trip length within the modeling domain divided by total trip distance to determine the amount of emissions within the modeling domain of the proposed Project. Modeling parameters for the area and roadway sources are summarized in Attachment C to this AQTR.

Construction is anticipated to occur Monday through Friday from 7 a.m. to 5 p.m. (2,600 hours per year). Construction activities would not occur at night (5 p.m. to 7 a.m.) or on Saturdays or Sundays. Therefore, only Monday through Friday between the hours of 7 a.m. and 5 p.m. were modeled in AERMOD using the

¹⁰ Bay Area Air Quality Management District, April 2023. CEQA Air Quality Guidelines Appendix E: Recommended Methods for Screening and Modeling Locals Risks and Hazards. Table 11. https://www.baaqmd.gov/~/media/files/planning-and-research/ceqa/ceqa-guidelines-2022/appendix-e-recommended-methods-for-screening-and-modeling-local-risks-and-hazards final-pdf.pdf?la=en

EMISFACT HRDOW (emission factor hour/day of week) keyword to account for these project-specific workdays and hours.

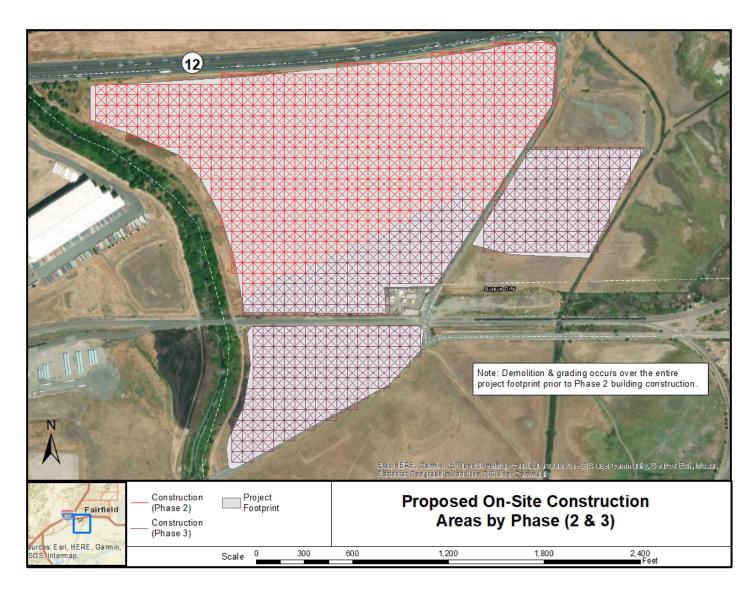


Figure 3-5 Construction HRA On-Site Emission Sources



Figure 3-6 Construction Offsite Traffic Routes

3.5 Operational Sources

Operational emission sources evaluated as part of the HRA include: (1) future emergency generators, (2) future fire water pumps, (3) on-road vehicles traveling along onsite circulation routes, (4) onsite TRUs, (5) onsite forklifts, and (6) on-road vehicles travelling to and from the Development Area along offsite routes.

3.5.1 Emergency Generators and Fire Water Pumps

The proposed Project also anticipates installing six (6) new emergency generators and six (6) new fire water pumps upon completion of the full buildout of the proposed Project. Each of the proposed emergency generators and fire water pumps would support one of the new buildings (building A, B/C, D, E, F and G). The future emergency generators and fire water pumps would all be located outside of the buildings. The locations of the proposed generators/pumps are identified in **Figure 3-7**.

Table 3-2 lists the exhaust parameters assigned to each emergency generator and fire water pump modeled. Since unit-specific information was not available, parameters were used based on BAAQMD guidance¹¹.

Table 3-2 Source Parameters for Emergency Generators and Fire Water Pumps

Model ID	Source	Building	Stack Height (m) ¹	Stack Orientation	Exhaust Temp (K) ¹	Exhaust Velocity (m/s) ¹	Stack Diameter (m) ¹
GEN_A	Generator	Α	3.660	Vertical	739.80	45.33	0.183
GEN_BC	Generator	ВС	3.660	Vertical	739.80	45.33	0.183
GEN_D	Generator	D	3.660	Vertical	739.80	45.33	0.183
GEN_E	Generator	Е	3.660	Vertical	739.80	45.33	0.183
GEN_F	Generator	F	3.660	Vertical	739.80	45.33	0.183
GEN_G	Generator	G	3.660	Vertical	739.80	45.33	0.183
FWP_A	Fire Water Pump	Α	3.660	Vertical	644.15	17.80	0.305
FWP_BC	Fire Water Pump	ВС	3.660	Vertical	644.15	17.80	0.305
FWP_D	Fire Water Pump	D	3.660	Vertical	644.15	17.80	0.305
FWP_E	Fire Water Pump	Е	3.660	Vertical	644.15	17.80	0.305
FWP_F	Fire Water Pump	F	3.660	Vertical	644.15	17.80	0.305
FWP_G	Fire Water Pump	G	3.660	Vertical	644.15	17.80	0.305

Notes: m = meters; K = Kelvin; m/s = meters per second

3.5.2 On-Road Mobile Sources

On-road emissions from operational vehicles associated with the Development Area were modeled as adjacent volume sources. The release height was set to 1.30 and 3.40 meters for nontrucks and trucks respectively. The initial vertical dimension was set to 1.21 and 3.16 meters for nontrucks and trucks respectively. The initial lateral dimensions vary depending on roadway width. Project-generated on-road traffic up to 8,500 feet of the Development Area was modeled. Similar to the on-road vehicle emissions during construction, operational on-road emissions were scaled by trip length within the modeling domain divided by total trip distance to determine the amount of emissions within the modeling domain of the proposed Project.

Figure 3-8 shows the offsite on-road vehicles routes modeled for project operation, which aligns with traffic turn data from Figure 5 (Project Trip Assignment) of the traffic Level of Significance (LOS) Memo (Fehr and Peers 2022). Offsite routes extend approximately 5,000 feet to the east and west of the

¹ BAAQMD 2023

¹¹ Bay Area Air Quality Management District. 2023. CEQA Air Quality Guidelines Appendix E: Recommended Methods for Screening and Modeling Local Risks and Hazards. April 2023. Table 10. Available at: <u>Bay Area Air Quality Management District California Environmental Quality Act Air Quality Guidelines (baaqmd.gov)</u>. Last Accessed July 2023.

proposed Project Site and about 3,000 feet to the north and traverse along primary roadways. Source parameters used in the modeling for these mobile sources are summarized in Attachment C to this AQTR.

As discussed earlier, there would be an interim operational phase and a full buildout operational phase of the proposed Project. **Figures 3-9 and 3-10** illustrate the on-site vehicle circulation for cars and trucks associated with the proposed Project, respectively. The on-site figures also denote the roadway segments that are associated with Phase 1 and Phase 2 (full project buildout). Operational onsite mobile emissions associated with the completion of Phase 1 construction are denoted in blue (cars in **Figure 3-9**) and red (trucks in **Figure 3-10**). Once full project buildout is complete (i.e., Phase 2), mobile on-site emissions are distributed across the entire Development Area around buildings A through G.

3.5.3 Onsite TRU Sources

It is anticipated that future tenants may include refrigeration and require trucks equipped with TRUs. Since it is not known at this time what buildings TRUs may be used at, the modeling conservatively assumes that a TRU could be located at every available docking bay (at each building) on the proposed Project Site. The TRU sources were characterized in the model as point sources. **Figure 3-11** shows the locations of the point sources. The San Joaquin Valley Air Pollution District (SJVAPCD) provides guidance on modeling TRU sources, which this modeling followed.¹² **Table 3-3** summarizes the modeling parameters of the TRU point sources used in this modeling.

Table 3-3 Source Parameters for TRUs

Stack Height (m) ¹	Stack Orientation	Exhaust Temp (K) ¹	Exhaust Velocity (m/s)	Stack Diameter (m)	
3.962	Vertical	501.0	49.0	0.044	•

Notes: m = meters; K = Kelvin; m/s = meters per second

3.5.4 Onsite Forklift Sources

It is anticipated that future tenants may operate diesel-powered forklifts as a means of transporting goods to and from trucks to areas within the buildings. These forklifts would likely spend most of their time near the bay doors of the buildings. Forklifts would be operating at each building and will travel between docking bays as needed. It is assumed that buildings A, D, E, F and G would each have three forklifts and building B/C would have 12 forklifts, for a total of 27. The modeling assumes that a forklift could be located at every available docking bay (at each building) on the proposed Project Site. Forklift sources were characterized in the model as line volume sources adjacent to a building, as shown in **Figure 3-11**. The side length of the volume sources was based on the width of each bay door, which is approximately 2.74 m (9 ft). The height of the volume sources was based on the building height (generally 14.33 m (47 ft)). The release height was conservatively assumed to be 0 m (at ground level).

¹ SJVAPCD 2015

¹² San Joaquin Valley Unified Air Pollution Control District. 2015. Update to District's Risk Management Policy to Address OEHHA's Revised Risk Assessment Guidance Document. staff-report-5-28-15.pdf (valleyair.org).

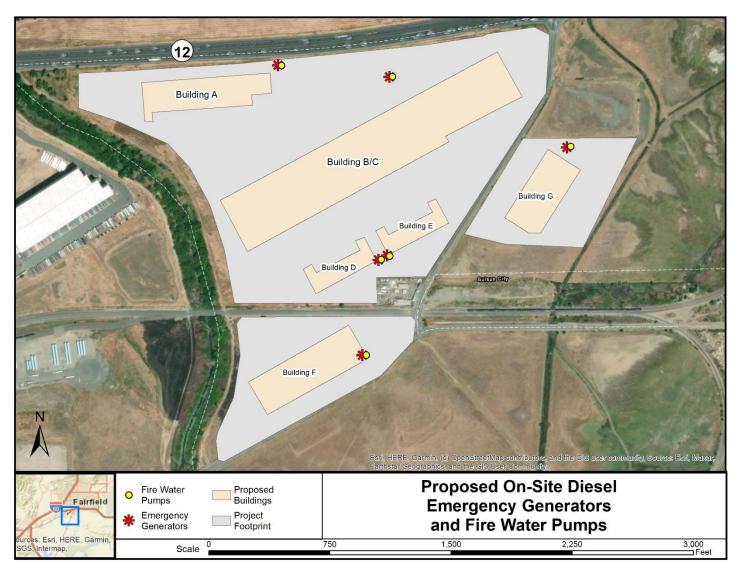


Figure 3-7 Emergency Generators and Fire Water Pumps Associated with Proposed Project

Notes: Buildings within 1.5 times height of generators/fire water pump stacks included for modeling.

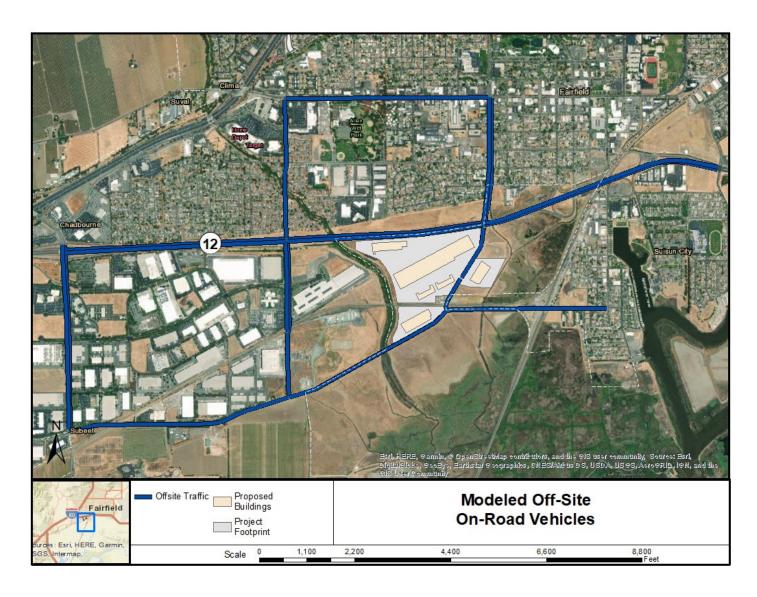


Figure 3-8 Operational Offsite Traffic Routes

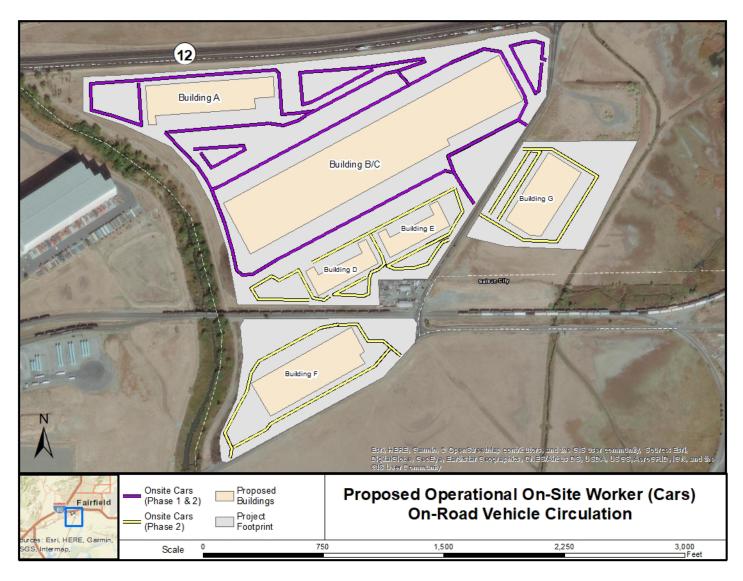


Figure 3-9 Operations On-Road Emission Sources (Onsite Circulation – Personal Cars)

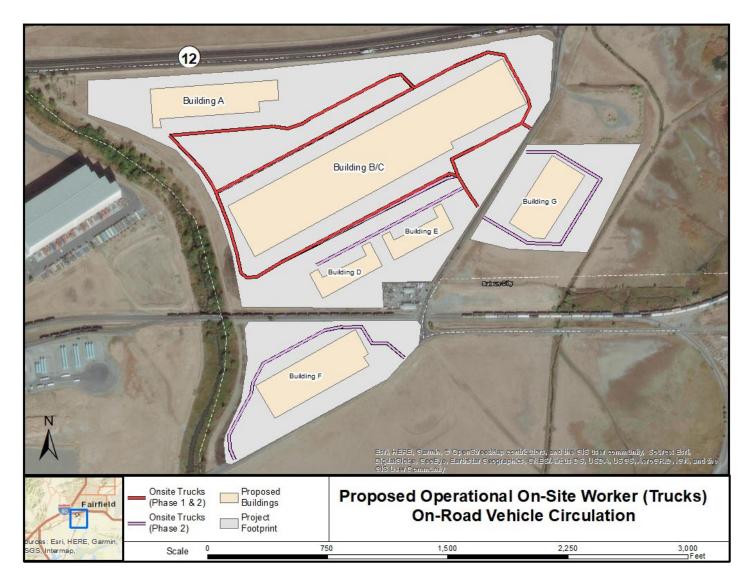


Figure 3-10 Operations On-Road Emission Sources (Offsite Circulation)

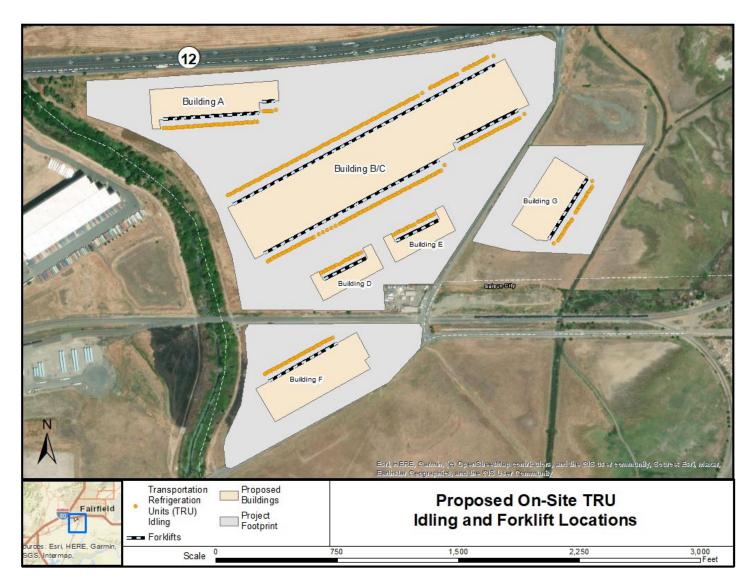


Figure 3-11 Onsite Operation TRU and Forklifts Locations

Notes: Buildings within 1.5 times height of TRU stacks included for modeling.

4. Health Risk Analysis Methodology

4.1 Pollutant Concentrations

AERMOD was run using unit emissions. Each source was modeled assuming emissions of 1 gram per second (g/s) for point sources, 1 g/s divided by the number of volume sources in a road segment, or 1 g/s divided by the area source in square meters. The unitized AERMOD results for each source are output in μ g/m³ per g/s [(μ g/m³)(g/s)-1]. Maximum hourly and period-average plot files generated by AERMOD as described above were input to HARP2 (Version 22118)¹³ with corresponding TAC emission rates for each phase and year of construction as well as the project operational emissions to calculate project concentration contributions. These concentrations were then used to estimate the long-term effects of TACs on nearby existing on- and off-site and future on-site sensitive receptors.

4.2 Receptor Exposure and Health Risk Characterization

Risk characterization integrates exposure information provided by the dispersion modeling with potential health effects associated with specific TACs; this step provides quantitative estimates of potential health risks associated with TACs that the off-site receptors would be exposed to due to the proposed Project.

The HARP2 model was created by ARB and is used to estimate carcinogenic and noncarcinogenic health risks from projects. The HARP2 model uses the equations and algorithms contained in OEHHA's Air Toxics Hot Spots Program Risk Assessment Guidelines: Guidance Manual for Preparation of Health Risk Assessments¹⁴ to calculate health risks based on input parameters such as emissions, "unit" ground-level concentrations, and toxicological data based on the OEHHA 2015 Risk Assessment Guidelines. These concentrations were then used to estimate the long-term effects of TACs off-site receptor locations.

The HRA evaluated health risk and hazard impacts of short-term construction and long-term operational emissions from the proposed Project on existing sensitive receptors within 1,000 feet of the proposed Project Site and project-related traffic. As previously mentioned, due to the phased approach of the proposed Project (i.e., initial construction followed by period of interim operations before the final phase of construction and final operation buildout), health risk was analyzed for two scenarios as summarized in **Table 4-1** for each sensitive receptor (residential, worker, student and child).

The maximumly exposed individual sensitive receptor was identified for each modeled scenario listed in **Table 4-1**. For residential sensitive receptors the starting year of exposure for each scenario was third trimester in utero. The starting year for worker was 16 years of age. The starting ages for child and student were age 0 and 4¹⁵, respectively. Consistent with Table 34 of Appendix E of BAAQMD's CEQA guidance, the exposure frequency for residential, student and childcare were 350 days/year and worker 250 days/year, respectively.

The purpose of having multiple scenarios is to analyze which scenario would be more impactful. The 30-year (residential), 25-year (worker), 13-year (student), and 5-year (child) exposure periods for each of the scenarios is consistent with BAAQMD CEQA guidance.

¹³ California Air Resources Board (ARB). 2022. HARP Air Dispersion Modeling and Risk Tool. Available at: https://ww2.arb.ca.gov/resources/documents/harp-air-dispersion-modeling-and-risk-tool. Accessed March 2023.

¹⁴ Office of Environmental Health Hazard Assessment (OEHHA). 2015 (February). Air Toxics Hot Spots Program Guidance Manual.

¹⁵ Student starting age assumes a child starting kindergarten at the age of 4 years old.

Table 4-1 Modeled HRA Scenarios

Sensitive Receptor	Modeled Scenario	Total Cancer Risk Exposure Duration	Emissions from Construction	Emissions from Operations
	S1	30.6 years	1 year (Phase 1)	0.9 years (Interim) 28 years (Full Build)
Residential	31	30.0 years	0.7 years (Phase 2) 0.9 year (Phase 3)	20 years (Full Bullu
	S2	30 years	N/A	30 years (Full Build)
			1 year (Phase 1)	0.9 years (Interim)
Worker	S1	25.6 years	0.7 years (Phase 2)	23 years (Full Build
			0.9 year (Phase 3)	
	S2	25 years	N/A	30 years (Full Build
			1 year (Phase 1)	0.9 years (Interim)
Student	S1	13.6 years	0.7 years (Phase 2)	11 years (Full Build)
			0.9 year (Phase 3)	
	S2	13 years	N/A	30 years (Full Build
			1 year (Phase 1)	0.9 years (Interim)
Child	S1	5.6 years	0.7 years (Phase 2)	3 years (Full Build)
			0.9 year (Phase 3)	
	S2	5 years	N/A	5 years (Full Build)

Notes:

S1 = Scenario 1; Construction (Phases 1 and 2), concurrent period of construction Phase 3 and interim operations, plus full buildout operations

S2 = Scenario 2; Full buildout operations only

In addition to cancer risk, non-cancer chronic (long-term) exposure to TACs were assessed. Since only DPM was assessed for construction and operational modeling, acute and 8-hour (short-term) exposures were not applicable for this analysis.

The general formula for calculating residential, student and child inhalation risk is as follows:

RISK_{inh-res} = DOSE_{air} × CPF × ASF × ED/AT × FAH

Where:

RISK_{inh-res} = Residential inhalation cancer risk

DOSE_{air} = Daily inhalation dose (milligrams per kilogram [mg/kg]-day)

CPF = Inhalation cancer potency factor (mg/kg-day⁻¹)

ASF = Age sensitivity factor for a specified age group (unitless)
ED = Exposure duration (in years) for a specified age group

AT = Averaging time for lifetime cancer risk (years) FAH = Fraction of time spent at home (unitless)

The inhalation risk was calculated in HARP2 using the OEHHA 2015–recommended default values for these parameters:

CPF = Substance-specific

ASF = 10 for third trimester to age 2, 3 for ages 2–16, 1 for ages 16–30

ED = 0.25 year for third trimester, 2 years for ages 0–2, 7 years for ages 2–9, 14 years for

ages 2-16, 14 years for ages 16-30, 30 years for ages 55-84.

AT = 30 years (resident); 13 years (student); 5 years (child)

FAH = 1.0

The daily inhalation dose is defined as:

$DOSE_{air} = C_{air} \times \{BR/BW\} \times A \times EF \times 10^{-6}$

Where:

DOSE_{air} = Dose through inhalation (mg/kg-day)

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

{BR/BW} = Daily breathing rate normalized to body weight (Liters per kilogram body weight - day)

A = Inhalation absorption factor (unitless)

EF = Exposure frequency (unitless), days/365 days

10⁻⁶ = Micrograms to milligrams conversion, liters to cubic meters conversion

The daily inhalation dose was calculated in HARP2 using OEHHA 2015–recommended default values for these parameters:

C_{air} = Concentration as calculated from AERMOD

{BR/BW} = OEHHA-derived method (i.e., 95th-percentile) estimates (361 for third trimester, 1,090

for ages 0-2, 745 for ages 2-16, 335 for ages 16-30)

A = 1

EF = 0.96 (350 days/365 days in a year for a resident)

The general formula for calculating worker inhalation risk is as follows:

 $RISK_{inh-work} = DOSE_{air} \times CPF \times ASF \times ED/AT$

Where:

RISK_{inh-work} = Worker inhalation cancer risk DOSE_{air} = Daily inhalation dose (mg/kg-day)

CPF = Inhalation cancer potency factor (mg/kg-day⁻¹) ASF = 1 for working age 16 to 70 years (unitless)

ED = 25 (years) AT = 70 (years)

The daily inhalation dose for a worker receptor is defined as:

 $DOSE_{air} = (C_{air} \times WAF) \times \{BR/BW\} \times A \times EF \times 10^{-6}$

Where:

DOSE_{air} = Dose through inhalation (mg/kg-day)

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

WAF = Worker air concentration adjustment factor (unitless)

{BR/BW} = Daily Breathing rate normalized to body weight (liters/kilogram body weight per day)

A = Inhalation absorption factor (unitless)

EF = Exposure frequency (unitless), days/365 days

10-6 = Micrograms to milligrams conversion, liters to cubic meters conversion

The daily inhalation dose was calculated in HARP2 using OEHHA 2015-recommended default values for these parameters:

C_{air} = Concentration as calculated from AERMOD

WAF = 4.2 based on (24 hours per day/8 hours per day) × (7 days per week/5 days per week)

{BR/BW} = OEHHA derived method (i.e., 95th percentile) estimates for age 16 to 41)

A = 1

EF = 0.68 (250 days/365 days in a year for a worker)

AERMOD and HARP2 programs represent the most advanced model/tool used to assess risk in the State of California, according to the air board and OEHHA.

5. Health Risk Analysis Results

Annual PM_{2.5} concentrations were evaluated for each construction year of the proposed Project and for a full year of operational emissions. Excess cancer and chronic non-cancer health risks were evaluated for two scenarios, as described previously in in **Table 4-1**. The following sections discuss the results for unmitigated and mitigation emissions.

5.1 Modeled Impacts for Proposed Project Unmitigated Emissions

The offsite health risks and annual PM_{2.5} concentrations for scenarios 1 through 4 at the maximally exposed individual receptors for unmitigated emissions for residential, worker, student and child are shown in Table 5-1, Table 5-2 and Table 5-3 for annual PM2.5, cancer risk and non-cancer chronic and acute, respectively. The maximally exposed individual receptor is the sensitive receptor location with the maximum cancer risk and PM_{2.5} concentration associated with the proposed Project. Separate maximally exposed individual receptors were identified for each sensitive receptor type (i.e., residential, worker, student, and child). The offsite residential maximally exposed individual receptor was identified to be a resident approximately 640 feet to the north of the Development Area, along James Street. The offsite worker maximally exposed individual receptor was identified to be a commercial building approximately 40 feet from the proposed Project boundary at the intersection of Pennsylvania Avenue and Cordelia Road. The closest and highest impacted school to the proposed Project is the Sierra School of Solano County, located approximately 530 feet to the north of the proposed Project Site at 1745 Enterprise Drive in nearby Fairfield, CA. The closest child-care (Woolner Head Start along Woolner Avenue) is approximately 1,600 feet to the north of the proposed Project Site and 900 feet from vehicle routes along Pennsylvania Avenue. There are no onsite health risks to evaluate because the proposed Project does not include residential dwellings or other sensitive receptors, such as a daycare.

Table 5-1 Maximum Annual $PM_{2.5}$ Impacts with Unmitigated Proposed Project Emissions

Sensitive	UTMx	UTM _Y	Scenario	Phase	Annual PM _{2.5}
Receptor	(m)	(m)			Concentration (µg/m³)
	582642	4233108	S1	Construction Year 1	0.144
	582642	4233108	S1	Construction Year 2	0.009
Residential	583012	4233170	S1	Interim Operations	0.101
Residentiai	582642	4233108	S1	Construction Year 3	0.004
	582652	4233110	S1 & S2	Full Build Operations	0.131
				Maximum	0.144
	582802	4232488	S1	Construction Year 1	0.630
	582802	4232488	S1	Construction Year 2	0.013
Worker	582792	4232490	S1	Interim Operations	0.226
worker	582802	4232488	S1	Construction Year 3	0.031
	582792	4232490	S1 & S2	Full Build Operations	0.469
				Maximum	0.630
	582142	4233068	S1	Construction Year 1	0.084
	582142	4233068	S1	Construction Year 2	0.006
Student	582152	4233070	S1	Interim Operations	0.061
Student	582142	4233068	S1	Construction Year 3	0.003
	582152	4233070	S1 & S2	Full Build Operations	0.079
				Maximum	0.084
	582842	4233448	S1	Construction Year 1	0.054
	582842	4233448	S1	Construction Year 2	0.004
Child	582832	4233450	S1	Interim Operations	0.050
Child	582842	4233448	S1	Construction Year 3	0.002
	582832	4233450	S1 & S2	Full Build Operations	0.071
				Maximum	0.071

m = meters; $\mu g/m^3$ = micrograms per cubic meter $PM_{2.5}$ = particulate matter less than 2.5 micrometers in diameter

Table 5-2 Maximum Cancer Risk Exposure with Unmitigated Proposed Project Emissions

Sensitive Receptor	UTM _X (m)	UTM _Y (m)	Scenario	Phase	Duration	Cancer Risk (per-one-million)
				Construction Year 1	1 year	1.29
				Construction Year 2	0.7 years	0.13
			S1	Interim Operations	0.9 years	19.73
Residential	582652	4233110	31	Construction Year 3	0.9 years	0.11
				Full Build Operations	28 years	63.37
				Total	30.6 years	84.63
			S2	Full Build Operations	30 years	117.26
				Construction Year 1	1 year	0.26
			S1	Construction Year 2	0.7 years	0.01
		4232490		Interim Operations	0.9 years	2.83
Worker	582792			Construction Year 3	0.9 years	0.06
				Full Build Operations	23 years	122.60
				Total	25.6 years	125.77
			S2	Full Build Operations	25 years	133.27
				Construction Year 1	1 year	0.13
			S1	Construction Year 2	0.7 years	0.01
				Interim Operations	0.9 years	1.81
Student	582152	4233070	31	Construction Year 3	0.9 years	0.01
				Full Build Operations	11 years	24.53
				Total	13.6 years	26.49
			S2	Full Build Operations	13 years	27.00
				Construction Year 1	1 year	0.53
				Construction Year 2	0.7 years	0.05
			S1	Interim Operations	0.9 years	8.96
Child	582832	4233450	31	Construction Year 3	0.9 years	0.06
				Full Build Operations	3 years	16.65
				Total	5.6 years	26.25
			S2	Full Build Operations	5 years	31.15

m = meters

Table 5-3 Maximum Non-Cancer and Acute Exposure with Unmitigated Proposed Project Emissions

Sensitive Receptor	UTM _X (m)	UTM _Y (m)	Scenario	Phase	Non-Cancer Chronic HI	Acute HI
	582662	4233108	C4	Construction Year 1	1.46E-03	2.14E-04 ¹
-	582662	4233108	S1	Construction Year 2	2.32E-04	3.19E-04 ¹
Residential	582742	4233128	S1	Construction Year 3	1.45E-04	2.00E-04 ¹
-	582652	4233110	S1	Interim Operations	2.74E-02	8.62E-03 ²
-	582652	4233110	S1 & S2	Full Build Operations	3.24E-02	1.20E-02 ²
	582802	4232488	04	Construction Year 1	4.78E-03	1.80E-04
-	582802	4232488	S1	Construction Year 2	2.48E-04	2.68E-04
Worker	582802	4232488	S1	Construction Year 3	1.33E-03	1.68E-04
	582792	4232490	S1	Interim Operations	5.92E-02	1.05E-02 ³
•	582792	4232490	S1 & S2	Full Build Operations	1.05E-01	1.43E-02
	582162	4233068	04	Construction Year 1	9.20E-04	6.76E-05
-	582162	4233068	S1	Construction Year 2	1.41E-04	1.01E-04
Student	582162	4233068	S1	Construction Year 3	9.81E-05	6.33E-05
-	582152	4233070	S1	Interim Operations	1.45E-02	4.32E-03
•	582152	4233070	S1 & S2	Full Build Operations	1.78E-02	5.81E-03
	582842	4233448	04	Construction Year 1	6.42E-04	7.87E-05
-	582842	4233448	S1	Construction Year 2	8.84E-05	1.17E-04
Child	582842	4233448	S1	Construction Year 3	8.29E-05	7.37E-05
-	582832	4233450	S1	Interim Operations	1.25E-02	4.16E-03
-	582832	4233450	S1 & S2	Full Build Operations	1.55E-02	5.25E-03

HI = Hazard Index

UTM = Universal Transverse Mercator

5.2 Modeled Impacts for Proposed Project Mitigated Emissions

A mitigated emission case was analyzed as part of the health risk analysis. Mitigation measures for both construction and operations were implemented included the following:

- Watering exposed soil 3 times daily (construction),
- Tier 4 engines for equipment 50 horsepower or greater (construction),
- Electrifying all forklifts on site (operations),
- Restricting idling of TRUs to 5 minutes on site (operations), and
- Tier 4 engines for emergency generators and fire water pumps (operations).

Additional details on the mitigation measure are provided in the draft EIR. The offsite health risks and annual $PM_{2.5}$ concentrations for Scenarios 1 and 2 at the maximally exposed individual receptors with mitigated emissions for residential, worker, student and child are shown in **Table 5-4**, **Table 5-5** and **Table 5-6** for annual $PM_{2.5}$, cancer risk and non-cancer chronic and acute, respectively.

^{1.} Acute impacts at maximum residential receptor for construction phase is X = 583,162 m; Y = 4,233,288 m

^{2.} Acute impacts at maximum residential receptor for operational phase is X = 583,292 m; Y = 4,233,310 m

^{3.} Acute impacts at maximum worker receptor for interim operational phase is X = 583,252 m; Y = 4,233,190 m

The maximally exposed individual receptor is the sensitive receptor location with the maximum cancer risk and PM_{2.5} concentration associated with the proposed Project. Separate maximally exposed individual receptors were identified for each sensitive receptor type (i.e., residential, worker, student, and child). For annual PM2.5, the offsite residential maximally exposed individual receptor was identified to be a resident approximately 640 feet to the north of the Development Area, along James Street. For cancer risk exposure, the offsite maximally exposed individual residential receptor was approximately 1,300 feet to the northeast of the Development Area and approximately 460 feet from vehicle routes along Pennsylvania Avenue. The offsite worker maximally exposed individual receptor was identified to be a commercial building approximately 40 feet from the proposed Project boundary at the intersection of Pennsylvania Avenue and Cordelia Road. The closest and highest impacted school to the proposed Project is the Sierra School of Solano County, located approximately 530 feet to the north of the proposed Development Area at 1745 Enterprise Drive in nearby Fairfield, CA. The closest child-care (Woolner Head Start along Woolner Avenue) is approximately 1,600 feet to the north of the proposed Project Site and 900 feet from vehicle routes along Pennsylvania Avenue. There are no onsite health risks to evaluate because the proposed Project does not include residential dwellings or other sensitive receptors, such as a daycare.

Table 5-4 Maximum Annual PM_{2.5} Impacts with Mitigated Proposed Project Emissions

					•
Sensitive Receptor	UTM _X (m)	UTM _Y (m)	Scenario	Phase	Annual PM _{2.5} Concentration (µg/m³
	582642	4233108	S1	Construction Year 1	0.048
	582642	4233108	S1	Construction Year 2	0.004
Danisla satial	583152	4233290	S1	Interim Operations	0.041
Residential	582642	4233108	S1	Construction Year 3	0.002
	583152	4233450	S1 & S2	Full Build Operations	0.047
				Maximum	0.048
	582802	4232488	S1	Construction Year 1	0.223
	582802	4232488	S1	Construction Year 2	0.009
Worker	582812	4232470	S1	Interim Operations	0.049
worker	582802	4232488	S1	Construction Year 3	0.010
	582812	4232470	S1 & S2	Full Build Operations	0.050
				Maximum	0.223
	582142	4233068	S1	Construction Year 1	0.028
	582142	4233068	S1	Construction Year 2	0.003
Student	582152	4233070	S1	Interim Operations	0.016
Student	582142	4233068	S1	Construction Year 3	0.001
	582152	4233070	S1 & S2	Full Build Operations	0.014
				Maximum	0.028
	582842	4233448	S1	Construction Year 1	0.017
	582842	4233448	S1	Construction Year 2	0.002
Child	582832	4233450	S1	Interim Operations	0.014
Gniia	582842	4233448	S1	Construction Year 3	0.001
	582832	4233450	S1 & S2	Full Build Operations	0.016
				Maximum	0.017

Notes: S1 = Scenario 1; S2 = Scenario 2 m = meters; μ g/m³ = micrograms per cubic meter

PM_{2.5} = particulate matter less than 2.5 micrometers in diameter

Table 5-5 Maximum Cancer Risk Exposure with Mitigated Proposed Project Emissions

Sensitive Receptor	UTM _X (m)	UTM _Y (m)	Scenario	Phase	Duration	Cancer Risk (per-one-million)
				Construction Year 1	1 year	0.09
				Construction Year 2	0.7 years	0.03
				Interim Operations	0.9 years	0.76
Residential	583152	4233290	S1	Construction Year 3	0.9 years	0.03
				Full Build Operations	28 years	2.95
				Total	30.6 years	3.85
			S2	Full Build Operations	30 years	5.46
				Construction Year 1	1 year	0.03
				Construction Year 2	0.7 years	<0.01
Maukan	E00040	4222400	S1	Interim Operations	0.9 years	0.08
Worker 5	582812	4232490	51	Construction Year 3	0.9 years	0.02
				Full Build Operations	23 years	3.88
				Total	25.6 years	4.00
			S2	Full Build Operations	25 years	4.22
				Construction Year 1	1 year	0.01
				Construction Year 2	0.7 years	<0.01
			S1	Interim Operations	0.9 years	0.07
Student	582152	4233070	01	Construction Year 3	0.9 years	<0.01
				Full Build Operations	11 years	1.04
				Total	13.6 years	1.13
			S2	Full Build Operations	13 years	1.14
				Construction Year 1	1 year	0.06
				Construction Year 2	0.7 years	0.02
Child			S1	Interim Operations	0.9 years	0.32
	582832	4233450	٥.	Construction Year 3	0.9 years	0.02
				Full Build Operations	3 years	0.68
				Total	5.6 years	1.09

m = meters

Table 5-6 Maximum Non-Cancer and Acute Exposure with Mitigated Proposed Project Emissions

Sensitive Receptor	UTM _X (m)	UTM _Y (m)	Scenario	Phase	Non-Cancer Chronic HI	Acute HI
	582662	4233108	04	Construction Year 1	1.59E-04	2.14E-04 ¹
	582662	4233108	S1	Construction Year 2	6.92E-05	3.19E-04 ¹
Residential	582742	4233128	S1	Construction Year 3	4.20E-05	2.00E-04 ¹
•	582652	4233110	S1	Interim Operations	1.67E-03	7.82E-03 ²
•	582652	4233110	S1 & S2	Full Build Operations	2.38E-03	1.10E-02 ²
	582802	4232488	C4	Construction Year 1	5.15E-04	1.80E-04
•	582802	4232488	S1	Construction Year 2	9.20E-05	2.68E-04
Worker	582802	4232488	S1	Construction Year 3	3.50E-04	1.68E-04
•	582792	4232490	S1	Interim Operations	2.42E-03	9.40E-03 ³
	582792	4232490	S1 & S2	Full Build Operations	5.31E-03	1.32E-02
	582162	4233068	C4	Construction Year 1	1.02E-04	6.76E-05
•	582162	4233068	S1	Construction Year 2	4.49E-05	1.01E-04
Student	582162	4233068	S1	Construction Year 3	2.98E-05	6.33E-05
•	582152	4233070	S1	Interim Operations	9.26E-04	3.84E-03
	582152	4233070	S1 & S2	Full Build Operations	1.23E-03	5.18E-03
	582842	4233448	S1	Construction Year 1	7.12E-05	7.87E-05
	582842	4233448	51	Construction Year 2	2.81E-05	1.17E-04
Child	582842	4233448	S1	Construction Year 3	2.40E-05	7.37E-05
	582832	4233450	S1	Interim Operations	7.24E-04	3.76E-03
•	582832	4233450	S1 & S2	Full Build Operations	1.01E-03	4.70E-03

UTM = Universal Transverse Mercator

Contour maps illustrating the cancer risk and annual PM_{2.5} concentrations attributed to the proposed Project for the controlling (i.e., highest impact) scenario for each sensitive receptor type are shown in **Figure 5-1** through **Figure 5-5**. **Figure 5-1** provides the contours for annual PM_{2.5} from the year 1 construction period. The maximum receptors for residential, worker, student, and child are also shown in **Figure 5-1**. **Figures 5-2** through **Figure 5-5** present the contours and maximum sensitive receptor location for the controlling scenario 2 (Full Build Operations only) for residential, worker, student, and child, respectively.

^{1.} Acute impacts at maximum residential receptor for construction phases is X = 583,162 m; Y = 4,233,288 m

^{2.} Acute impacts at maximum residential receptor for operational phases is X = 583,292 m; Y = 4,233,310 m

^{3.} Acute impacts at maximum worker receptor for interim operational phase is X = 583,252 m; Y = 4,233,190 m HI = Hazard Index

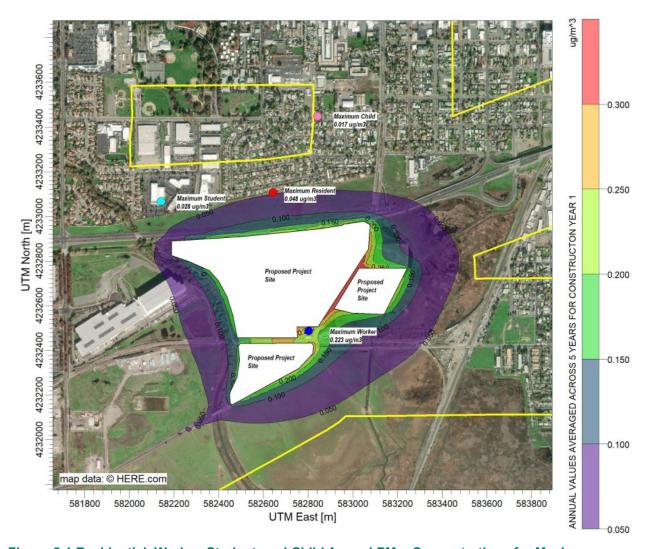


Figure 5-1 Residential, Worker, Student, and Child Annual PM_{2.5} Concentrations for Maximum Proposed Project Phase (Construction Year 1) with Mitigated Emissions

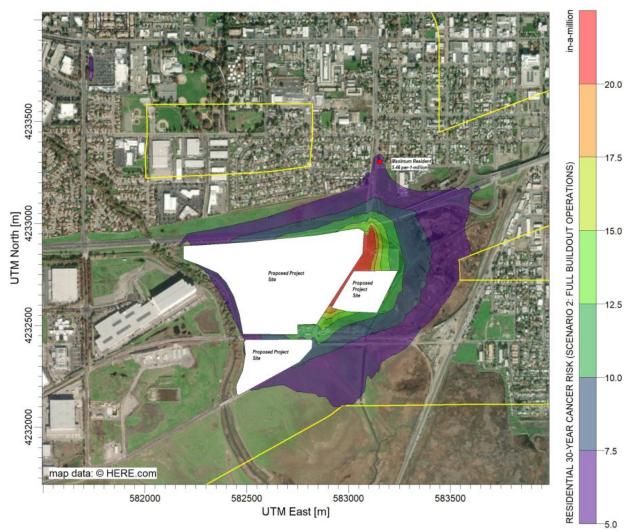


Figure 5-2 Residential 30-year Cancer Risk for Maximum Proposed Project Scenario (Scenario 2) with Mitigated Emissions

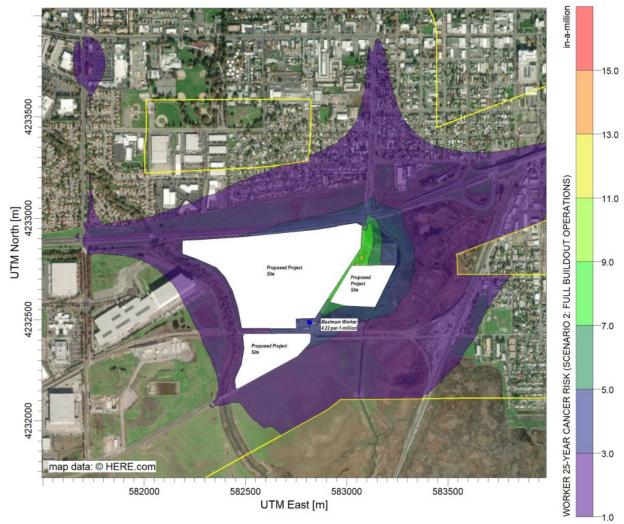


Figure 5-3 Worker 25-year Cancer Risk for Maximum Proposed Project Scenario (Scenario 2) with Mitigated Emissions

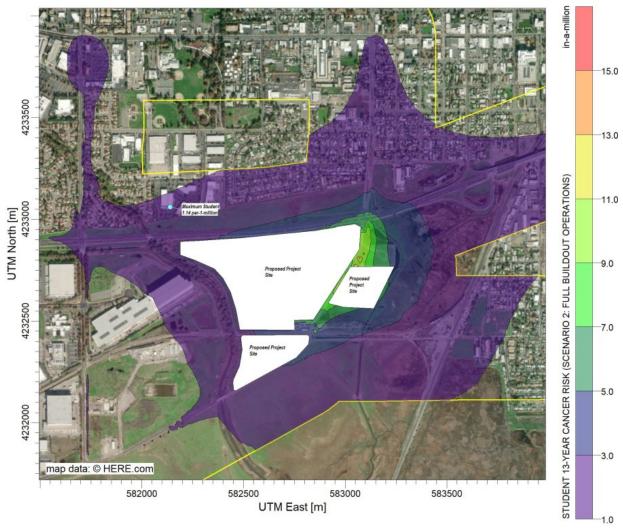


Figure 5-4 Student 13-year Cancer Risk for Maximum Proposed Project Scenario (Scenario 2) with Mitigated Emissions

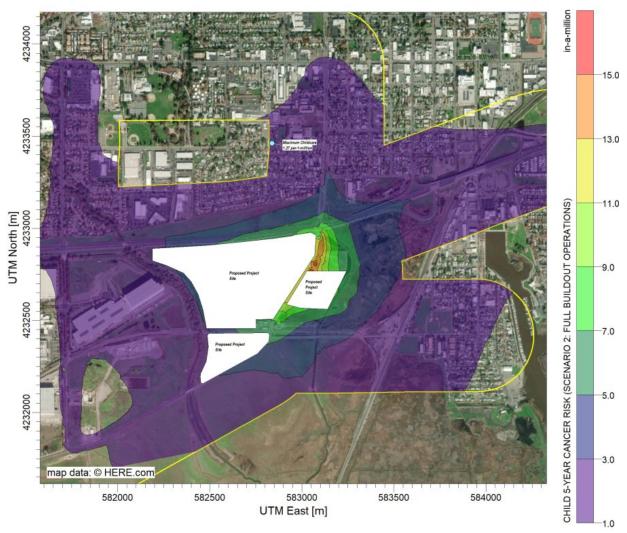


Figure 5-5 Child 5-year Cancer Risk for Maximum Proposed Project Scenario (Scenario 2) with Mitigated Emissions

5.3 Cumulative Health Risks and PM_{2.5} Concentrations with Mitigated Emissions

A cumulative analysis was conducted to assess the aggregation of health impacts from the proposed Project sources and existing sources. BAAQMD provides screening tool geodatabases for existing sources of mobile (on-road) and rail sources across the air district. These were recently updated in 2022. The offsite annual PM_{2.5} concentrations, cancer risk, and non-cancer chronic risk for the two scenarios at the residential, worker, student, and child maximally exposed individual receptors are summarized in **Table 5-7**, **Table 5-8**, and **Table 5-9**, respectively.

Table 5-7 Cumulative Annual PM_{2.5} Concentrations at the Project Maximally Exposed Individual Sensitive Receptors for Maximum Modeled Scenario

UTM _x (m)	UTM _y (m)	Receptor Type	Scenario	Source	Annual PM _{2.5} Concentration (μg/m³)
				Proposed Project ¹	0.048
582642	4233108	Residential	Scenario 1	Existing Mobile ²	0.134
302042	4233106	Residential	Scenario i	Existing Railway ³	0.001
				Cumulative + Proposed Project	0.183
				Proposed Project ¹	0.223
500000	582802 4232488	Worker	Scenario 1	Existing Mobile ²	0.054
582802			Scenario 1	Existing Railway ³	0.002
				Cumulative + Proposed Project	0.279
				Proposed Project ¹	0.028
500440	4000000		0	Existing Mobile ²	0.118
582142	4233068	Student	Scenario 1	Existing Railway ³	N/A
				Cumulative + Proposed Project	0.146
				Proposed Project ¹	0.017
500040	500040 4000440	3448 Child		Existing Mobile ²	0.151
582842	4233448		Scenario 1	Existing Railway ³	0.001
				Cumulative + Proposed Project	0.169

Notes:

m = meter $\mu g/m^3$ = micrograms per cubic meter N/A = no data available $PM_{2.5}$ = particulate matter less than 2.5 micrometers in diameter UTM = Universal Transverse Mercator

^{1.} Maximum Scenario from Table 5-4.

^{2.} Existing roadway screening data obtained from Bay Area Air Quality Management District 2022 geodatabase. Discussed in Section 9.2 of the BAAQMD 2023 CEQA Air Quality Guidelines Appendix E: Recommended Methods for Screening and Modeling Local Risks and Hazards.

^{3.} Existing rail lines screening data obtained from Bay Area Air Quality Management District 2022 geodatabase. Discussed in Section 9.3 of the BAAQMD 2023 CEQA Air Quality Guidelines Appendix E: Recommended Methods for Screening and Modeling Local Risks and Hazards.

Table 5-8 Cumulative Cancer Risk at the Project Maximally Exposed Individual Sensitive Receptors for Maximum Modeled Scenario

UTM _x (m)	UTM _y (m)	Receptor Type	Scenario	Source	Lifetime Cancer Risk (per one million)
				Proposed Project ¹	5.46
E024E2	4222200	Decidential	Scenario 2	Existing Mobile ²	12.28
583152	4233290	Residential	Scenario 2	Existing Railway ³	1.68
				Cumulative + Proposed Project	19.42
	582812 4232490			Proposed Project ¹	4.22
500040		Worker	Scenario 2	Existing Mobile ²	3.35
582812		vvorker		Existing Railway ³	1.83
				Cumulative + Proposed Project	9.40
				Proposed Project ¹	1.14
582152	4233070	Student	Scenario 2	Existing Mobile ²	5.56
582152	4233070	Student	Scenario 2	Existing Railway ³	N/A
				Cumulative + Proposed Project	6.70
				Proposed Project ¹	1.27
E00000	500000 4000450	0 Child	Child Scenario 2	Existing Mobile ²	7.59
582832	4233450			Existing Railway ³	0.60
				Cumulative + Proposed Project	9.46

Notes:

m = meter

N/A = no data available

^{1.} Maximum Scenario from Table 5-5.

^{2.} Existing roadway screening data obtained from Bay Area Air Quality Management District 2022 geodatabase. Discussed in Section 9.2 of the BAAQMD 2023 CEQA Air Quality Guidelines Appendix E: Recommended Methods for Screening and Modeling Local Risks and Hazards.

^{3.} Existing rail lines screening data obtained from Bay Area Air Quality Management District 2022 geodatabase. Discussed in Section 9.3 of the BAAQMD 2023 CEQA Air Quality Guidelines Appendix E: Recommended Methods for Screening and Modeling Local Risks and Hazards.

Table 5-9 Cumulative Non-Cancer Chronic Risk at the Project Maximally Exposed Individual Sensitive Receptors for Maximum Modeled Scenario

UTM _x (m)	UTM _y (m)	Receptor Type	Scenario	Source	Non-Cancer Chronic Risk (HI)
				Proposed Project ¹	2.38E-03
582652	4233110	Residential	Scenarios 1 & 2	Existing Mobile ²	2.17E-02
302032	4233110	Residential	Scenarios 1 & 2	Existing Railway ³	1.09E-04
				Cumulative + Proposed Project	2.42E-02
	582792 4232490			Proposed Project ¹	5.31E-03
500700		32490 Worker	Scenarios 1 & 2	Existing Mobile ²	8.93E-03
582792				Existing Railway ³	4.91E-04
				Cumulative + Proposed Project	1.47E-02
				Proposed Project ¹	1.23E-03
582152	4233070		Scenarios 1 & 2	Existing Mobile ²	1.69E-02
302132	4233070	Student	Scenarios 1 & 2	Existing Railway ³	N/A
				Cumulative + Proposed Project	1.81E-02
				Proposed Project ¹	1.01E-03
582832	500000 4000450	150 Child		Existing Mobile ²	2.12E-02
302032	4233450		Scenarios 1 & 2	Existing Railway ³	1.60E-04
				Cumulative + Proposed Project	2.24E-02

Notes:

HI = Hazard Index m = meter N/A = no data available

^{1.} Maximum Scenario from Table 5-6.

^{2.} Existing roadway screening data obtained from Bay Area Air Quality Management District 2022 geodatabase. Discussed in Section 9.2 of the BAAQMD 2023 CEQA Air Quality Guidelines Appendix E: Recommended Methods for Screening and Modeling Local Risks and Hazards.

^{3.} Existing rail lines screening data obtained from Bay Area Air Quality Management District 2022 geodatabase. Discussed in Section 9.3 of the BAAQMD 2023 CEQA Air Quality Guidelines Appendix E: Recommended Methods for Screening and Modeling Local Risks and Hazards.

6. Alternatives

This technical report also includes an evaluation of the alternatives for comparison to the proposed Project.

6.1 Alternative 1: No Project Alternative

Alternative 1 would involve less construction and construction-related emissions when compared with the proposed Project. Alternative 1 would develop approximately 73 acres of land area compared to approximately 93 acres under the proposed Project, plus off-site improvement areas. Construction-related emissions would be reduced by approximately 20 percent under Alternative 1 compared to the proposed Project. As with the proposed Project, Alternative 1 would include TAC emissions near existing employees of businesses located near the site and potentially significant effects associated with these emissions that would be reduced to a less-than-significant level through the use of newer and cleaner emitting equipment. During operations, the reduction in square footage of building space would result in reduced onsite TAC emissions compared to the proposed Project. Alternative 1 would also reduce diesel particulate matter emissions compared to the proposed Project with the substantial reduction in truck trips. Construction-related emissions and TAC emissions would be reduced. Overall health risk impacts are considered less than the proposed Project for Alternative 1.

6.2 Alternative 2: Reduced Footprint Alternative

Alternative 2 reduces the land area affected by development and reduces the number of heavy-duty truck trips and associated TAC emissions as compared with the proposed Project. Alternative 2 would include fewer buildings and would reduce the total building square footage added to the site, as compared with the proposed Project. The reduced development area and increased Managed Open Space area are shown in **Figure 6-1**.

Under Alternative 2, the internal driveway that would be developed to access Building A would be modified by moving its location approximately 390 feet south of the SR 12/Pennsylvania Avenue intersection. Since the volume of truck trips would be reduced under Alternative 2, off-site roadway improvements to SR 12 would not be necessary. Furthermore, under Alternative 2, only the west side of Pennsylvania Avenue would require street frontage improvements (to accommodate an additional lane for driveway access, along with sidewalks and bicycle lanes), as compared to the proposed Project, where both the east and west sides of Pennsylvania Avenue would require street frontage improvements. Similar to the proposed Project, Alternative 2 would require roadway improvements to the north side of Cordelia Street to accommodate an additional lane, along with a sidewalk and bicycle lane on the north side of Cordelia Street. The reduced footprint and reduction in necessary offsite improvements would reduce construction TAC emissions for Alternative 2 in comparison to the proposed project.

The estimated acreage, square footage, and parking associated with each Planning Area and building under Alternative 2, as compared to the proposed Project, are shown in **Table 6 1**. The decreased number of employees and smaller development area under Alternative 2 would result in a corresponding decrease in TAC emissions from truck and worker trips and TRU idling, as well as a decrease in the number of emergency generators, fire water pumps and forklifts.

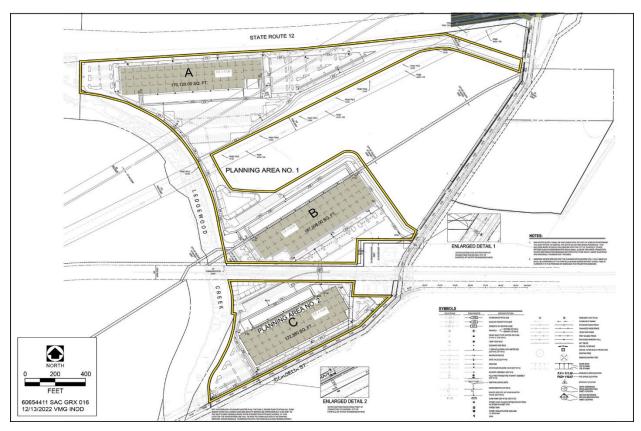


Figure 6-1 Alternative 2 Site Layout

Table 6-1 Alternative 2 Building Details

Planning Area	Developed Area (acres)	Square Footage	Parking Stalls
Planning Area 1			
Building A	26	170,120	546
Building B	13	187,208	282
Planning Area 2			
Building C	12	172,380	269
Total	51	529,708	1,097

The Alternative 2 health risk and hazard impacts of short-term construction and long-term operational emissions was evaluated on existing sensitive receptors within 1,000 feet of the proposed Project Site and project-related traffic. Due to the phased-approach of the proposed Project (i.e., initial construction followed by period of interim operations before the final phase of construction and final operation buildout), health risk was analyzed for the same scenarios as the proposed Project. Phase 1 of construction consists of site preparation and grading of the entire project footprint. Phase 2 construction is the construction of buildings A and B along with the architectural and paving associated with those buildings. Phase 3 construction is the construction of building C along with the architectural and paving associated with those building. Phases 1 and 2 would be constructed over 19 months and Phase 3 would be constructed over 10 months.

6.2.1 Emissions Estimates

The construction and operations emissions for Alternative 2 were calculated using the same methodology as the proposed Project.

Attachment A to this AQTR provides the detailed annual construction-related emissions of ozone precursors (i.e., ROG and oxides of nitrogen) and criteria air pollutants (i.e., particulate matter less than or equal to 10 microns in diameter [PM₁₀] and PM_{2.5}) for Alternative 2. For each individual year of construction, the annual emissions were divided by the total number of construction work days (based on the total number of weeks of construction to occur in the given year, and assuming 5 construction workdays per week) to calculate average daily construction emissions.

Attachment A to this AQTR provides the detailed Alternative 2 uncontrolled stationary and mobile source emissions due to onsite sources such as emergency generators, fire water pumps, forklifts, truck and TRU idling, onsite car and truck travel and offsite car and truck travel.

6.2.2 Air Dispersion Modeling

The air dispersion modeling for Alternative 2 utilizes the same approach as described for the proposed Project with the following exceptions:

- The receptor grid was modified to include areas that would be left as open space under Alternative 2 as shown in **Figure 6-2**.
- The on-site construction areas were reduced in accordance with the reduced footprint as shown in **Figure 6-3**.
- The number of on-site diesel emergency generators and fire water pumps were reduced in accordance with the reduced number of buildings as shown in Figure 6-4.
- The operational on-site worker (car) on-road vehicle circulation were revised in accordance with the reduced number of buildings and developed area as shown in **Figure 6-5**.
- The operational on-site worker (trucks) on-road vehicle circulation were revised in accordance with the reduced number of buildings and developed area as shown in **Figure 6-6**.
- The proposed on-site TRU idling and forklift locations were revised in accordance with the reduced number of buildings as shown in Figure 6-7. It was assumed that three forklifts would be located at each building

The model inputs are provided in Attachment D to this AQTR.

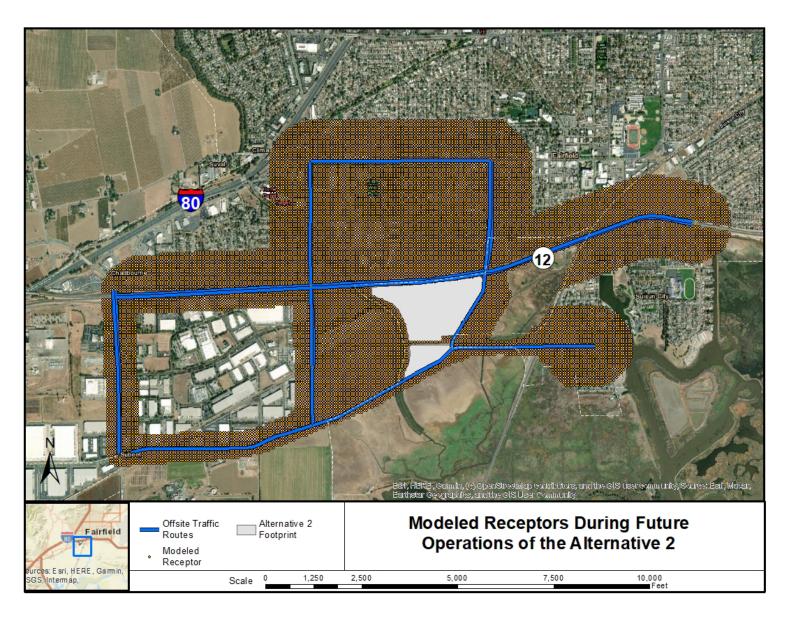


Figure 6-2 Alternative 2 Operations HRA Receptor Locations

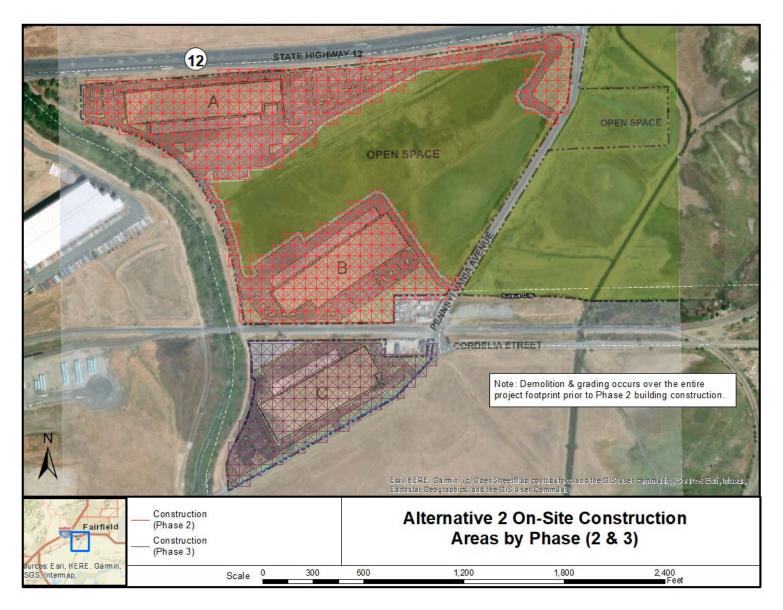


Figure 6-3 Alternative 2 Construction HRA On-Site Emission Sources

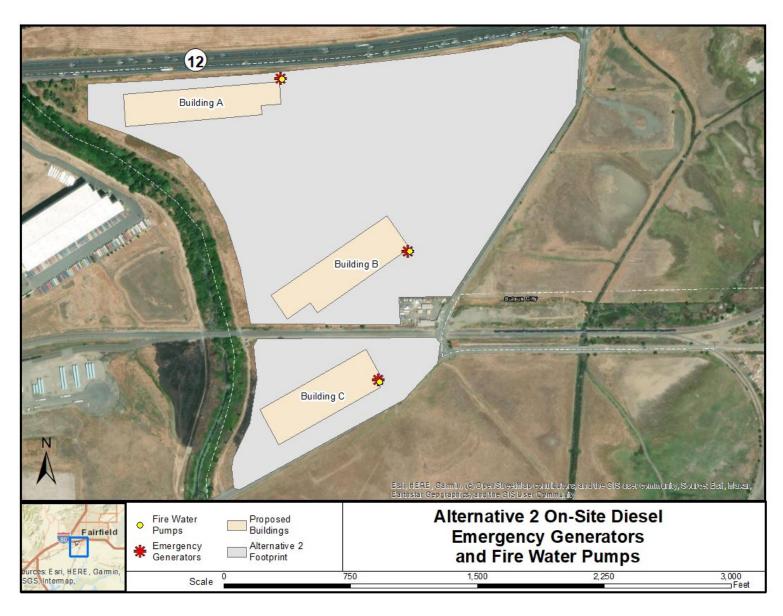


Figure 6-4 Emergency Generators and Fire Water Pumps Associated with Alternative 2

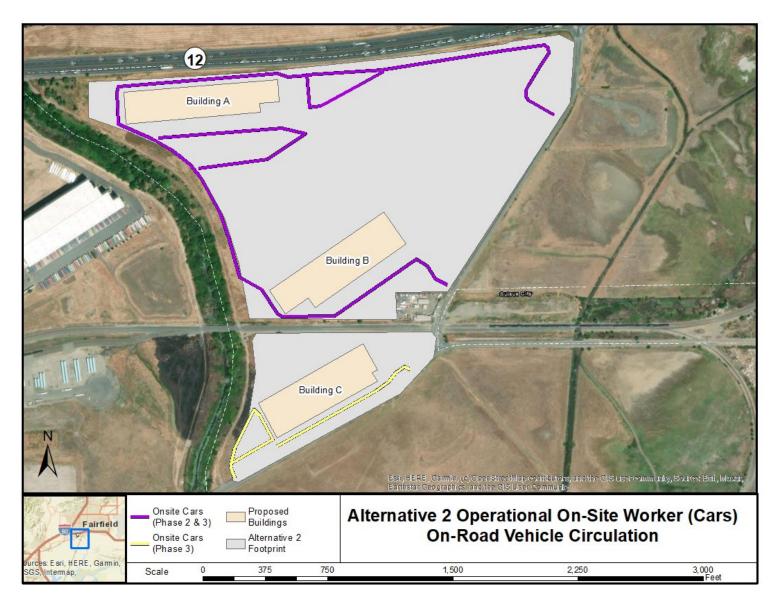


Figure 6-5 Operations On-Road Emission Sources (Onsite Circulation – Personal Cars) for Alternative 2

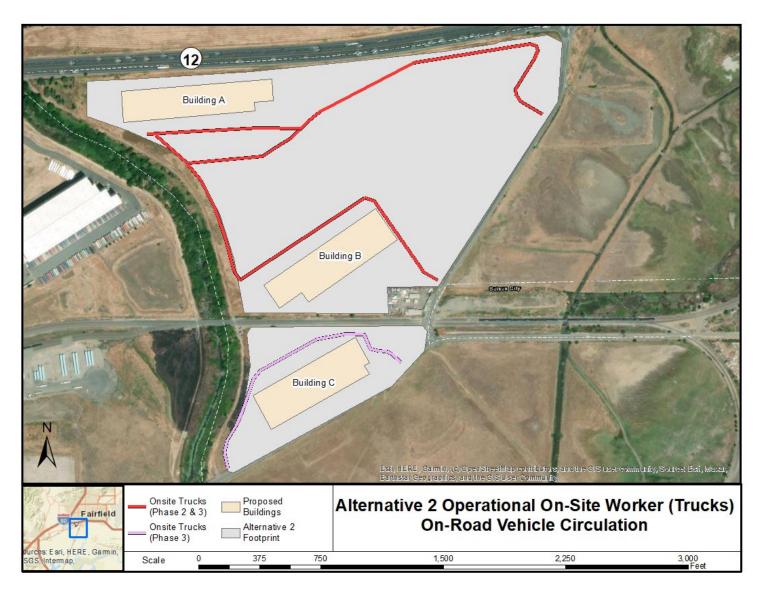


Figure 6-6 Operations On-Road Emission Sources (Onsite Circulation –Trucks) for Alternative 2

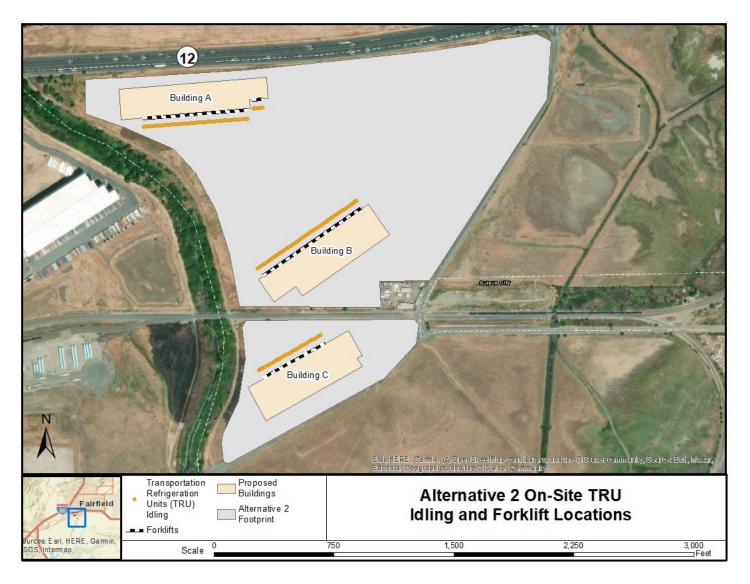


Figure 6-7 Onsite Operation TRU and Forklifts Locations for Alternative 2

6.2.3 Health Risk Analysis Methodology

The health risk analysis for Alternative 2 utilizes the same approach as described for the proposed Project. As shown in the results for the proposed Project in Section 5, the highest health impacts were modeled for the residential and worker sensitive receptors as these are located closest to the proposed Project Site. Similar results are anticipated for Alternative 2; therefore, only the residential and worker sensitive receptor health risk impacts were calculated. The HRA inputs are provided in Attachment D to this AQTR.

6.2.4 Health Risk Analysis Results

Annual PM_{2.5} concentrations were evaluated for each construction year of Alternative 2 and for a full year of operational emissions. Excess cancer and chronic non-cancer health risks were evaluated for two scenarios, as described previously in in **Table 4-1**. The following sections discuss the results for unmitigated and mitigation emissions.

6.2.4.1 Modeled Impacts for Alternative 2 Unmitigated Emissions

The offsite health risks and annual PM_{2.5} concentrations for scenarios 1 and 2 at the maximally exposed individual receptors for unmitigated emissions for residential, worker, student and child are shown in **Table 6-6**, **Table 6-7** and **Table 6-8** for annual PM_{2.5}, cancer risk and non-cancer chronic and acute, respectively. The maximally exposed individual receptor is the sensitive receptor location with the maximum cancer risk and PM_{2.5} concentration associated with Alternative 2. Separate maximally exposed individual receptors were identified for each sensitive receptor type (i.e., residential, worker). The offsite residential maximally exposed individual receptor was identified to be a resident approximately 640 feet to the north of the Development Area, along James Street. The offsite worker maximally exposed individual receptor was identified to be a commercial building approximately 40 feet from the Alternative 2 boundary at the intersection of Pennsylvania Avenue and Cordelia Road. There are no onsite health risks to evaluate because Alternative 2 does not include residential dwellings or other sensitive receptors, such as a daycare.

Table 6-2 Maximum Annual PM_{2.5} Impacts with Unmitigated Alternative 2 Emissions

Sensitive Receptor	UTM _X (m)	UTM _Y (m)	Scenario	Phase	Annual PM _{2.5} Concentration (µg/m³)
	582642	4233108	S1	Construction Year 1	0.105
	582642	4233108	S1	Construction Year 2	0.001
Decidential	583012	4233170	S1	Interim Operations	0.041
Residential	582642	4233108	S1	Construction Year 3	0.002
	582652	4233110	S1 & S2	Full Build Operations	0.052
				Maximum	0.105
	582802	4232488	S1	Construction Year 1	0.463
	582802	4232488	S1	Construction Year 2	0.020
10/	582792	4232490	S1	Interim Operations	0.092
Worker	582802	4232488	S1	Construction Year 3	0.012
	582792	4232490	S1 & S2	Full Build Operations	0.184
				Maximum	0.463

Notes: S1 = Scenario 1; S2 = Scenario 2

m = meters; $\mu g/m^3$ = micrograms per cubic meter

 $PM_{2.5}$ = particulate matter less than 2.5 micrometers in diameter

Table 6-3 Maximum Cancer Risk Exposure with Unmitigated Alternative 2 Emissions

Sensitive Receptor	UTM _X (m)	UTM _Y (m)	Scenario	Phase	Duration	Cancer Risk (per-one-million)
				Construction Year 1	1 year	1.12
				Construction Year 2	0.7 years	<0.01
			S 1	Interim Operations	0.9 years	7.34
Residential	582532	4233090	31	Construction Year 3	0.9 years	0.03
				Full Build Operations	28 years	23.79
				Total	30.6 years	32.29
			S2	Full Build Operations	30 years	44.03
				Construction Year 1	1 year	0.22
				Construction Year 2	0.7 years	<0.01
			04	Interim Operations	0.9 years	1.18
Worker	582792	4232470	S1	Construction Year 3	0.9 years	0.02
				Full Build Operations	23 years	54.32
				Total	25.6 years	55.75
		-	S2	Full Build Operations	25 years	59.05

m = meters

UTM = Universal Transverse Mercator

Table 6-4 Maximum Non-Cancer and Acute Exposure with Unmitigated Alternative 2 Emissions

Sensitive Receptor	UTM _X (m)	UTM _Y (m)	Scenario	Phase	Non-Cancer Chronic HI	Acute HI
	582522	4233088	C4	Construction Year 1	1.25E-03	1.91E-04 ¹
-	580642	4232868	S1	Construction Year 2	1.20E-05	1.11E-04 ¹
Residential	582522	4233088	S1	Construction Year 3	4.58E-05	8.96E-05 ¹
	582512	4233090	S1	Interim Operations	1.11E-02	1.03E-02 ²
	582512	4233090	S1 & S2	Full Build Operations	1.36E-02	1.52E-02 ²
Worker	582802	4232488	C4	Construction Year 1	4.46E-03	1.60E-04
	582802	4232488	· S1	Construction Year 2	1.26E-05	9.30E-05
	582802	4232488	S1	Construction Year 3	4.10E-04	7.52E-05
	582792	4232490	S1	Interim Operations	2.84E-02	1.30E-02 ³
	582792	4232490	S1 & S2	Full Build Operations	4.82E-02	1.96E-02

Notes: S1 = Scenario 1; S2 = Scenario 2

^{1.} Acute impacts at maximum residential receptor for construction phase is X = 583,162 m; Y = 4,233,288 m

^{2.} Acute impacts at maximum residential receptor for operational phase is X = 583,292 m; Y = 4,233,310 m

^{3.} Acute impacts at maximum worker receptor for interim operational phase is X = 583,252 m; Y = 4,233,190 m HI = Hazard Index

6.2.4.2 Modeled Impacts for Alternative 2 Mitigated Emissions

A mitigated emission case was analyzed as part of the health risk analysis. The same mitigation measures for both construction and operations were implemented for Alternative 2 as for the proposed Project. The offsite health risks and annual PM_{2.5} concentrations for Scenarios 1 and 2 at the maximally exposed individual receptors with mitigated emissions for residential and worker are shown in **Table 6-9**, **Table 6-10** and **Table 6-11** for annual PM_{2.5}, cancer risk and non-cancer chronic and acute, respectively.

The maximally exposed individual receptor is the sensitive receptor location with the maximum cancer risk and PM_{2.5} concentration associated with Alternative 2. Separate maximally exposed individual receptors were identified for each sensitive receptor type (i.e., residential and worker). For annual PM_{2.5}, the offsite residential maximally exposed individual receptor was identified to be a resident approximately 640 feet to the north of the Development Area, along James Street. For cancer risk exposure, the offsite residential maximally exposed individual receptor was identified to be a resident approximately 640 feet to the north of the Development Area, along James Street. The offsite worker maximally exposed individual receptor was identified to be a commercial building approximately 40 feet from the Alternative 2 boundary at the intersection of Pennsylvania Avenue and Cordelia Road. There are no onsite health risks to evaluate because Alternative 2 does not include residential dwellings or other sensitive receptors, such as a daycare.

Table 6-5 Maximum Annual PM2.5 Impacts with Mitigated Alternative 2 Emissions

Sensitive Receptor	UTM _X (m)	UTM _Y (m)	Scenario	Phase	Annual PM _{2.5} Concentration (μg/m³)
	582642	4233108	S1	Construction Year 1	0.039
	582642	4233108	S1	Construction Year 2	< 0.001
Desidential	583152	4233290	S1	Interim Operations	0.017
Residential	582642	4233108	S1	Construction Year 3	0.001
	583152	4233450	S1 & S2	Full Build Operations	0.020
				Maximum	0.039
	582802	4232488	S1	Construction Year 1	0.184
	582802	4232488	S1	Construction Year 2	0.002
Worker	582812	4232470	S1	Interim Operations	0.020
worker	582802	4232488	S1	Construction Year 3	0.004
	582812	4232470	S1 & S2	Full Build Operations	0.020
				Maximum	0.184

Notes: S1 = Scenario 1; S2 = Scenario 2 m = meters; μg/m³ = micrograms per cubic meter

PM_{2.5} = particulate matter less than 2.5 micrometers in diameter

Table 6-6 Maximum Cancer Risk Exposure with Mitigated Alternative 2 Emissions

Sensitive Receptor	UTM _X (m)	UTM _Y (m)	Scenario	Phase	Duration	Cancer Risk (per-one-million)
	582652	4233110	S1	Construction Year 1	1 year	0.13
				Construction Year 2	0.7 years	<0.01
				Interim Operations	0.9 years	0.57
Residential				Construction Year 3	0.9 years	0.01
				Full Build Operations	28 years	2.25
				Total	30.6 years	2.97
			S2	Full Build Operations	30 years	4.17
	582792	4232490	S1	Construction Year 1	1 year	0.03
				Construction Year 2	0.7 years	<0.01
				Interim Operations	0.9 years	0.09
Worker				Construction Year 3	0.9 years	0.01
				Full Build Operations	23 years	3.69
				Total	25.6 years	3.82
			S2	Full Build Operations	25 years	4.01

m = meters

UTM = Universal Transverse Mercator

Table 6-7 Maximum Non-Cancer and Acute Exposure with Mitigated Alternative 2 Emissions

Sensitive Receptor	UTM _X (m)	UTM _Y (m)	Scenario	Phase	Non-Cancer Chronic HI	Acute HI
	582522	4233088	C4	Construction Year 1	1.56E-04	1.73E-04 ¹
-	580642	4232868	- S1	Construction Year 2	1.20E-05	1.11E-04 ¹
Residential	583162	4233328	S1	Construction Year 3	1.57E-05	8.96E-05 ¹
	582652	4233110	S1	Interim Operations	1.67E-03	8.24E-03 ²
	582652	4233110	S1 & S2	Full Build Operations	2.64E-03	4.74E-03 ²
Worker	582802	4232488	- S1	Construction Year 1	5.39E-04	1.45E-04
	582802	4232488	- 51	Construction Year 2	1.26E-05	9.30E-05
	582802	4232488	S1	Construction Year 3	1.20E-04	7.52E-05
	582792	4232490	S1	Interim Operations	3.73E-03	1.05E-02 ³
	582792	4232490	S1 & S2	Full Build Operations	6.54E-03	1.57E-02

Notes: S1 = Scenario 1; S2 = Scenario 2

^{1.} Acute impacts at maximum residential receptor for construction phases is X = 583,162 m; Y = 4,233,288 m

^{2.} Acute impacts at maximum residential receptor for operational phases is X = 583,292 m; Y = 4,233,310 m

^{3.} Acute impacts at maximum worker receptor for interim operational phase is X = 583,252 m; Y = 4,233,190 m HI = Hazard Index

Contour maps illustrating the annual PM_{2.5} concentrations attributed to Alternative 2 for the controlling (i.e., highest impact) scenario is shown in **Figure 6-8**. **Figure 6-8** provides the contours for annual PM_{2.5} from the year 1 construction period. The maximum receptors for residential and worker are also shown in **Figure 6-8**. **Figures 6-9** and **Figure 6-10** present the contours and maximum sensitive receptor location for the controlling scenario 2 (Full Build Operations only) for residential and worker, respectively.



Figure 6-8 Residential and Worker Annual PM_{2.5} Concentrations for Maximum Alternative 2 Phase (Construction Year 1) with Mitigated Emissions



Figure 6-9 Residential 30-year Cancer Risk for Maximum Alternative 2 Scenario (Scenario 2) with Mitigated Emissions



Figure 6-10 Worker 25-year Cancer Risk for Maximum Alternative 2 Scenario (Scenario 4) with Mitigated Emissions

6.2.5 Cumulative Health Risks and PM_{2.5} Concentrations with Mitigated Emissions

A cumulative analysis was conducted to assess the aggregation of health impacts from the Alternative 2 sources and existing sources, similar to the analysis conducted for the proposed Project. The offsite health risks and annual $PM_{2.5}$ concentrations for the two scenarios at the residential and worker maximally exposed individual receptors are summarized in **Table 6-12** and **Table 6-13**, respectively.

Table 6-8 Cumulative Annual PM_{2.5} Concentrations at the Alternative 2 Maximally Exposed Individual Sensitive Receptors for Maximum Modeled Scenario

UTM _x (m)	UTM _y (m)	Receptor Type	Scenario	Source	Annual PM _{2.5} Concentration (µg/m³)
		Residential	Scenario 1	Proposed Project ¹	0.039
500040	4000400			Existing Mobile ²	0.134
582642	4233108			Existing Railway ³	0.001
				Cumulative + Proposed Project	0.174
		Worker	Scenario 1	Proposed Project ¹	0.184
500000				Existing Mobile ²	0.054
582802	4232488			Existing Railway ³	0.002
				Cumulative + Proposed Project	0.240

Notes:

m = meter

μg/m³= micrograms per cubic meter

N/A = no data available

PM_{2.5} = particulate matter less than 2.5 micrometers in diameter

UTM = Universal Transverse Mercator

Table 6-9 Cumulative Cancer Risk at the Alternative 2 Maximally Exposed Individual Sensitive Receptors for Maximum Modeled Scenario

UTM _x (m)	UTM _y (m)	Receptor Type	Scenario	Source	Lifetime Cancer Risk (per one million)
		Residential	Scenario 2	Proposed Project ¹	4.17
500050	1000110			Existing Mobile ²	6.90
582652	4233110			Existing Railway ³	0.41
				Cumulative + Proposed Project	11.48
		Worker	Scenario 2	Proposed Project ¹	4.01
500700	4232490			Existing Mobile ²	3.35
582792				Existing Railway ³	1.83
				Cumulative + Proposed Project	9.19

Notes:

^{1.} Maximum Scenario from Table 6-9.

^{2.} Existing roadway screening data obtained from Bay Area Air Quality Management District 2022 geodatabase. Discussed in Section 9.2 of the BAAQMD 2023 CEQA Air Quality Guidelines Appendix E: Recommended Methods for Screening and Modeling Local Risks and Hazards.

^{3.} Existing rail lines screening data obtained from Bay Area Air Quality Management District 2022 geodatabase. Discussed in Section 9.3 of the BAAQMD 2023 CEQA Air Quality Guidelines Appendix E: Recommended Methods for Screening and Modeling Local Risks and Hazards.

- 1. Maximum Scenario from Table 6-10.
- 2. Existing roadway screening data obtained from Bay Area Air Quality Management District 2022 geodatabase. Discussed in Section 9.2 of the BAAQMD 2023 CEQA Air Quality Guidelines Appendix E: Recommended Methods for Screening and Modeling Local Risks and Hazards.
- 3. Existing rail lines screening data obtained from Bay Area Air Quality Management District 2022 geodatabase. Discussed in Section 9.3 of the BAAQMD 2023 CEQA Air Quality Guidelines Appendix E: Recommended Methods for Screening and Modeling Local Risks and Hazards.

m = meter N/A = no data available UTM = Universal Transverse Mercator

As shown in detail above, Alternative 2 shows reduced health risk impacts in comparison to the proposed Project.

6.3 Alternative 3: Reduce Criteria Air Pollutant and GHG Emissions and Transportation-Related Energy Consumption Alternative

The amount of overall development would be reduced under Alternative 3, when compared with the proposed Project. Alternative 3 would reduce construction and construction-related TAC emissions when compared with the proposed Project. Alternative 3 would develop approximately 46 acres of land area compared to approximately 93 acres under the proposed Project, plus off-site improvement areas. Construction-related TAC emissions would be reduced by approximately 50 percent under Alternative 3 compared to the proposed Project. As with the proposed Project, Alternative 3 would involve toxic air contaminant emissions near existing employees of businesses located near the site. The potentially significant effects associated with these emissions concentrations would be reduced to a less-than-significant level through the use of newer and cleaner emitting equipment under Alternative 3.

Under Alternative 3, instead of providing only warehousing and logistics space as under the proposed Project, the site would also provide office space. The office space offered under Alternative 3 with the intent of providing an employment setting that could attract users that could provide jobs for the local residential population, potentially replacing current longer distance commutes with shorter commutes to the Alternative 3 site. As noted in Section 6.4.3 of the EIR, there is a gap in local employment for sectors that typically use professional office space, but there is also a local gap in jobs in transportation and warehousing, so Alternative 3 includes this use, as well, but in a reduced amount compared with the proposed Project.

While Alternative 3 would also include warehousing and logistics uses, it would reduce the square footage associated with such uses by approximately 84 percent compared with the proposed Project. Therefore, diesel particulate matter associated with truck trips would be reduced in comparison to the proposed Project.

7. Uncertainties

In accordance with risk assessment guidance, the following discussion summarizes the main uncertainties associated with the emissions estimation, air dispersion modeling, and risk estimation components of the Health Risk Assessment methodology.

7.1 Emission Estimates

Uncertainties exist in estimating emissions from construction equipment and on-road vehicles. For example, where project-specific data were not available, CalEEMod default values or conservative input assumptions were used. For example, the unmitigated emissions scenario utilized the default emission factors for the various construction equipment engines provided in CalEEMod based on the fleet average, which includes all tier engines, for each construction year of the analysis. As such, actual emissions would vary based on the specific tier of the engines used during construction. Similarly, emission factors for on-road and off-road vehicles and equipment used were based on construction occurring between 2024 and 2026; any construction in future years would result in fewer emissions for the same level of activity due to fleet turnover over time, in which older equipment and vehicles are replaced by those with new engines meeting more recent and more stringent emission standards.

7.2 Air Dispersion Modeling

In addition to the uncertainty associated with emission estimates, uncertainty exists regarding the pollutant concentrations estimated by the air dispersion model. The limitations of the air dispersion model provide a source of uncertainty in the estimation of exposure concentrations. According to the US EPA Appendix W, errors attributable to the limitation of the algorithms implemented in the air dispersion model in the highest estimated concentrations of +/- 10 percent to 40 percent are typical. ¹⁶ The health risk methodologies use conservative assumptions and techniques to produce conservative results; thus, predicted exposure concentrations are likely to be at or above actual exposure concentrations.

The source parameters used to model emission sources add uncertainty. For all emission sources, source parameters were used that are either recommended as defaults or expected to produce more conservative (worst-case) results. Discrepancies might exist between the actual emissions characteristics of a source and its representation in the model; exposure concentrations used in this assessment represent approximate exposure concentrations.

7.3 Health Risk Analysis

Numerous assumptions must be made to estimate human exposure to pollutants. These assumptions include parameters such as breathing rates, exposure time and frequency, exposure duration, and human activity patterns. While a mean value derived from scientifically defensible studies is the best estimate of central tendency, most exposure variables used in this Health Risk Assessment are high-end estimates. For example, it is assumed that residential receptors would be exposed to project emissions during the entire construction duration. This assumption is conservative because some residents may not remain in their homes for the entire duration of construction every day. The combination of several high-end estimates used as exposure parameters may substantially overestimate chemical intake. The excess lifetime cancer risks calculated in this assessment are therefore likely to be higher than may be required to be protective of public health. Generally, the concentrations and health risk decrease substantially as the distance between the source and receptor increases.

The OEHHA Cancer Potency Factor (CPF) for diesel PM is used to estimate cancer risks associated with exposure to diesel PM from project emissions. However, the CPF derived by OEHHA for diesel PM is highly uncertain in the estimation of both response and dose. In the past, because of inadequate animal test data and epidemiology data on diesel exhaust, the International Agency for Research on Cancer, a branch of the World Health Organization, had classified diesel PM as Probably Carcinogenic to Humans

¹⁶ EPA. 2017. Appendix W 40 CFR Part 51. Available at: https://www.epa.gov/sites/default/files/2020-09/documents/appw_17.pdf

(Group 2); US EPA had also concluded that the existing data did not provide an adequate basis for quantitative risk assessment.¹⁷ However, based on two scientific studies^{18,19}, International Agency for Research on Cancer reclassified diesel PM as Carcinogenic to Humans (Group 1)²⁰, which means that the agency has determined that there is "sufficient evidence of carcinogenicity" of a substance in humans and represents the strongest weight-of-evidence rating in International Agency for Research on Cancer's carcinogen classification scheme. This determination by International Agency for Research on Cancer may provide additional impetus for the US EPA to identify a quantitative dose/response relationship between exposure to diesel PM and cancer.

OEHHA notes that the conservative assumptions used in a risk assessment are intended to avoid underestimation of actual risks posed by a site and are designed to err on the side of health protection (OEHHA 2015). The estimated risks in this Health Risk Assessment are based primarily on a series of conservative assumptions related to predicted environmental concentrations, exposure, and chemical toxicity. The use of conservative assumptions tends to produce upper-bound estimates of risk. Although it is difficult to quantify the uncertainties associated with all the assumptions made in this risk assessment, the use of conservative assumptions is likely to result in substantial overestimates of exposure and, hence, risk.

USEPA, Health Assessment Document for Diesel Engine Exhaust, National Center for Environmental Assessment, Office of Research and Development, Washington, DC, EPA/600/8-90/057F, May 2002.

¹⁸ Attfield, M.D., P. L. Schleiff, J. H. Lubin, A. Blair, P. A. Stewart, R. Vermeulen, J. B. Coble, and D. T. Silverman. 2012. The Diesel Exhaust in Miners Study: A Nested Case-Control Study of Lung Cancer and Diesel Exhaust. Journal of the National Cancer Institute 104(11):855–868.

¹⁹ Benbrahim-Tallaa, L., R. A. Baan, Y. Grosse, B. Lauby-Secretan, F. El Ghissassi, V. Bouvard, N. Guha, D. Loomis, and K. Straif. 2012. Carcinogenicity of Diesel-engine and Gasoline-engine Exhausts and Some Nitroarenes, Lancet Oncology 13(7):663–664.

²⁰ International Agency for Research on Cancer (IARC). 2012 (June). IARC: Diesel Engine Exhaust Carcinogenic. Press Release No. 213.



Attachment A Emissions Estimates

Summary of Annual Long-Term Operational (tons per year)					
Emissions Source	ROG	NO _x	PM ₁₃	PM _{2.1}	
Proposed Operational Emissions ¹					
Mobile	0.88	21.87	4.38	1.389	
Area	6.52	0.04	0.01	0.009	
Energy	0.02	0.31	0.02	0.024	
Onsite Equipment	0.37	3.50	0.18	0.163	
Stationary Sources	0.10	0.42	0.03	0.029	
TRUS	27.73	26.46	0.75	0.689	
Total Proposed Annual Operational Emissions	35.62	52.61	5.37	2.30	
BAAQMD Thresholds of Significance	10	10	15	10	
Exceeds Thresholds?	Yes	Yes	No	No	

	Summary of Mitigate of	d Annual Long-Term Operational (to	ons per year)	
Emissions Source	ROG	NO _x	PM ₁₀	PM _{2.1}
Proposed Operational Emissions ¹				
Mobile	0.58	11.53	3.80	1.137
Area	6.52	0.04	0.01	0.009
Energy	0.00	0.00	0.00	0.000
Onsite Equipment	0.00	0.00	0.00	0.000
Stationary Sources	0.04	0.01	0.00	0.003
TRUS	6.01	5.73	0.16	0.149
Total Proposed Annual Operational Emissions	13.16	17.31	3.97	1.30
BAAOMD Thresholds of Significance	10	10	15	10

		2024 Construction-Re	lated Unmitigated Emissions Summa	ry (tons)			
						PM., 1	PM., 1
Project Component/Source	ROG	NOx	co	PM ₁₀ Exhaust	PM _{2.1} Exhaust	Fue Dust	Fuz Dust
Off-Road Equipment	0.74	7.04	6.73	0.31	0.28		-
On-Road Construction Vehicles	0.06	0.26	0.63	0.204	0.005	0.159	0.039
Dust from Material Movement		-	-	-	-	1.825	0.762
Paving	0.00	-	-	-	-	-	
Architectural Coating	0.00	-	-	-		-	
Total Emissions (tons)	08.0	7.30	7.37	0.51	0.29	1.98	0.80

Number of Construction Work Days in 2024	262

	2025 Construction Related Unmitiested Emissions Summery Rons)								
						PM ₂₀ 1	PM _{2.5} 1		
Project Component/Source	ROS	NOx	co	PM ₁₀ Exhaust	PM _{2.5} Exhaust	Fue Dust	Fuz Dust		
Off-Road Equipment	0.14	1.34	1.64	0.06	0.05		-		
On-Road Construction Vehicles	0.12	0.53	1.25	0.454	0.010	0.334	0.082		
Dust from Material Movement		-	-	-	-	0.023	0.002		
Paving	0.03						-		
Architectural Coating	4.66	-	-	-	-		-		
Total Emissions (tons)	4.96	1.87	2.89	0.51	0.06	0.36	0.08		
Average Daily Emissions (lbs/day)	38.02	14.33	22.12	3.91	0.47	2.73	0.64		
BAAQMD Thresholds	54	54	N/A	82	54	N/A	N/A		
Exceeds Thresholds?	No	No		No	No				

Number of Construction Work Days in 2025 261

2026 Construction-Related Unmittigated Emissions Summary Itons)							
						PM ₂₂ 1	PM _{2.5} 1
Project Component/Source	ROG	NOx	co	PM ₁₀ Exhaust	PM _{2.5} Exhaust	Fue Dust	Fuz Dust
Off-Road Equipment	0.05	0.45	0.59	0.02	0.02	-	
On-Road Construction Vehicles	0.03	0.11	0.27	0.111	0.002	0.077	0.019
Dust from Material Movement	-	-	-		-	0.000	0.000
Paving	0.02	-	-	-	-	-	-
Architectural Coating	2.25	-	-		-	-	-
Total Emissions (tons)	2.34	0.56	0.86	0.13	0.02	0.08	0.02
Average Daily Emissions (lbs/day)	17.95	4.29	6.61	0.98	0.14	0.59	0.14
BAAQMD Thresholds	54	54	N/A	82	54	N/A	N/A

Number of Construction Work Days in 2026 106

Constants	
Pounds per Ton	2000

GHG Emissions					
	2025 with Mitigation (Initial Year	2026 Ops Unmitigated (Full			
	Oosl	Buildout, Initial Year)	2026 Oos w Mitigation	2045 Oos with Mitigation	Notes
Construction 2024	1,474	1,474	1,474	1,474	
Construction 2025	548	828	828	828	
Construction 2026	-	220	220	220	
Total Construction	2,022	2,521	2,521	2,521	
Annual Construction Amort	67	84	84.02224487	84	

Mobile-Trucks	15126.25	22.364.05	15.126.25	14.828.5
Mobile-Passenger Vehicles	1560.84	2.231.72	1.896.96	1.436.8
Mobile-TRUs	684.38	4.672.28	-	
Energy-Electricity	0.00	3.049.30		
Energy-Natural Gas	0.00	336.89		
Fugitive Refrigerants	1771.40	5.631.09	2.620.25	2.620.2
Yard Equpiment (e.g., forklifts)	0.00	683.87		
Stationary (e.g., backup senerators)	11.78	45.85	15.71	15.7
Water	394.36	584.56	584.56	584.5
Waste	253.18	374.51	374.51	374.5
Area Sources	12.64	18.70	6.06	6.0
Total Operational Emissions	19814.84	39.992.81	20.624.29	19.866.4
Amortized Construction	67.39	84.02	84.02	84.0
Total Operational + Const	19882.23	40.076.83	20.708.31	19.950.4
Service Population	861.96	1,275.00	1,275.00	1,275.0
GHG Efficiency	23.07	31.43	16.24	15.6
Threshold	13.98	13.98	13.98	3.3

	2025	2026	2027	2028	2029	2030
Threshold	13.98	13.98	13.98	13.98	13.98	13.98
Project GHG Efficiency	23.07	16.24	16.24181258	16.24181258	16.241813	16.24
Delta in MT CO2e/SP	9.09	2.26	2.26	2.26	2.26	2.26
Delta in MT CO2e/yr	11,585.11	2,883.81	2,883.81	2,883.81	2,883.81	2,883.81

Emissions Source	ROG	NO _x	PM ₁₀	PM _{2.5}
Proposed Operational Emissions ¹				
Mobile	4.85	119.86	24.03	7.609
Area	35.73	0.23	0.04	0.049
Energy	0.09	1.70	0.13	0.129
Onsite Equipment	2.02	19.20	0.97	0.896
Stationary Sources	0.54	2.29	0.16	0.158
TRUs	151.97	144.98	4.11	3.778
Total Proposed Daily Operational Emissions	195.20	288.25	29.43	12.62
BAAQMD Thresholds of Significance	54	54	82	54
Exceeds Thresholds?	Yes	Yes	No	No

Notes: ROS = reactive	Organic gas	$es; NU_{k} = 0x$
Threshold exceedance	s noted with	Underline

Emissions Source	ROG	NO _x	PM ₁₀	PM _{2.5}
Proposed Operational Emissions ¹				
Mobile	3.20	63.16	20.84	6.229
Area	35.73	0.23	0.04	0.049
Energy	0.00	0.00	0.00	0.000
Onsite Equipment	0.00	0.00	0.00	0.000
Stationary Sources	0.24	0.07	0.01	0.015
TRUs	32.93	31.41	0.89	0.819
Total Proposed Daily Operational Emissions	72.10	94.87	21.78	7.11
BAAQMD Thresholds of Significance	54	54	82	54
Exceeds Thresholds?	Yes	Yes	No	No

					PM _{2.5}	PM ₁₀ ¹	PM _{2.1} ¹
Project Component/Source	ROG	NOx	co	PM ₁₀ Exhaust	Exhaust	Fue Dust	Fue Dust
Off-Road Equipment	0.15	1.05	7.49	0.03	0.03	-	-
On-Road Construction Vehicles	0.06	0.26	0.63	0.204	0.005	0.159	0.039
Dust from Material Movement						0.693	0.310
Paving	0.00						-
Architectural Coating	0.00					-	-
Total Emissions (tons)	0.21	1.31	8.12	0.23	0.04	0.85	0.35
Average Daily Emissions (lbs/day)	1.62	10.02	62.02	1.79	0.27	6.50	2.67
BAAQMD Thresholds	54	54	N/A	82	54	N/A	N/A
Exceeds Thresholds?	No	No		No	No		-

	Mitigated 202	5 Construction-Relate	d Unmitigated Emissio	ns Summary (tons)			
					PM _{2.5}	PM ₁₀ 1	PM _{2.5} ²
Project Component/Source	ROG	NOx	co	PM ₁₀ Exhaust	Exhaust	Fue Dust	Fue Dust
Off-Road Equipment	0.06	0.38	1.92	0.01	0.01	-	-
On-Road Construction Vehicles	0.12	0.53	1.25	0.454	0.010	0.334	0.082
Dust from Material Movement						0.006	0.001
Paving	0.03						
Architectural Coating	2.08	-	-	-	-	-	-
Total Emissions (tons)	2.29	0.91	3.17	0.47	0.02	0.34	0.08
Average Daily Emissions (lbs/day)	17.58	6.96	24.28	3.58	0.18	2.61	0.63
BAAQMD Thresholds	54	54	N/A	82	54	N/A	N/A
Exceeds Thresholds?	No	No		No	No		-

	Mitiested 202	6 Construction-Relate:	Unmitigated Emissio	ns Summary (tons)			
					PM _{2.5}	PM ₁₀ ¹	PM _{2.5} ³
Project Component/Source	ROG	NOx	co	PM ₁₀ Exhaust	Exhaust	Fue Dust	Fue Dust
Off-Road Equipment	0.02	0.14	0.67	0.00	0.00		
On-Road Construction Vehicles	0.03	0.11	0.27	0.111	0.002	0.077	0.019
Dust from Material Movement					-	0.000	0.000
Paving	0.00						
Architectural Coating	0.00		-		-	-	-
Total Emissions (tons)	0.05	0.26	0.95	0.12	0.01	0.08	0.02
Average Daily Emissions (lbs/day)	0.36	1.97	7.26	0.89	0.05	0.59	0.14
BAAQMD Thresholds	54	54	N/A	82	54	N/A	N/A

2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
13.98	13.98	13.98	13.98	13.98	13.98	13.98	13.98	13.98	13.98	13.98	13.98
41813	16.24	16.24	16.24	16.24	16.24	16.24	16.24	16.24	16.24	16.24	16.24
2.26	2.26	2.26	2.26	2.26	2.26	2.26	2.26	2.26	2.26	2.26	2.26
83.81	2,883.81	2,883.81	2,883.81	2,883.81	2,883.81	2,883.81	2,883.81	2,883.81	2,883.81	2,883.81	2,883.81

Energy Demand:		
	Electricity (kWh/yr)	Natural Gas (kBTU/yr)
Bidgs A, B/C	21,993,596	4,280,466
Bldgs D-G	10640126	2051160
Full Development Area:	32,633,722	6,331,626

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sions Summary - Reduced Footprint

Emissions Source	ROG	NO,	PMvs	PMrs
Proposed Operational Emissions ¹				1.1123
Mobile	0.38	9.17	1.82	0.575
Area	2.72	0.02	0.00	0.003
Energy	0.01	0.13	0.01	0.010
Onsite Equipment	0.13	1.21	0.06	0.059
Stationary Sources	0.03	0.14	0.01	0.010
TRUS	11.51	10.98	0.31	0.286
Total Proposed Daily Operational Emissions	14.77	21.65	2.22	0.94
BAAQMD Thresholds of Significance	10	10	15	10
Exceeds Thresholds?	Yes	Yes	No	No

Emissions Source	ROG	NOx	PM ₁₀	PM _{2.5}
Proposed Operational Emissions ¹				
Mobile	0.27	6.89	1.82	0.571
Area	2.72	0.02	0.00	0.003
Energy	0.00	0.00	0.00	0.000
Onsite Equipment	0.00	0.00	0.00	0.000
Stationary Sources	0.02	0.01	0.00	0.002
TRUS	2.49	2.38	0.07	0.062
Total Proposed Daily Operational Emissions	5.50	9.30	1.89	0.64
BAAQMD Thresholds of Significance	10	10	15	10
Exceeds Thresholds?	No	No	No	No

Notes: ROG = reactive organic gases; NO_x = Threshold exceedances noted with Underline

	202	4 Construction-Related Unm	itigated Emissions Summa	ry (tons)			
Project Component/Source	ROG	NOx	со	PM _{so} Exhaust	PM _{2.5} Exhaust	PM _{s0} ¹ Fue Dust	PM _{2.5} ¹ Fue Dust
Off-Road Equipment	0.57	5.39	5.24	0.24	0.22		
On-Road Construction Vehicles	0.05	0.21	0.55	0.211	0.004	0.127	0.031
Dust from Material Movement						1.342	0.570
Paving	0.02						
Architectural Coating	1.98						
Total Emissions (tons)	2.62	5.60	5.80	0.45	0.22	1.47	0.60
Average Daily Emissions (lbs/day)	19.98	42.73	44.24	3.42	1.70	11.21	4.59
BAAQMD Thresholds	54	54	N/A	82	54	N/A	N/A
Exceeds Thresholds?	No	No		No	No		

	2025	Construction-Related Unm	itigated Emissions Summar	y (tons)			
						PM _{so} ¹	PM _{2.5} ¹
Project Component/Source	ROG	NOx	co	PM ₁₀ Exhaust	PM _{2.5} Exhaust	Fug Dust	Fue Dust
Off-Road Equipment	0.13	1.25	1.48	0.05	0.05		
On-Road Construction Vehicles	0.06	0.28	0.65	0.221	0.005	0.173	0.042
Dust from Material Movement						0.092	0.037
Paving	0.00						
Architectural Coating	0.00						
Total Emissions (tons)	0.20	1.53	2.12	0.27	0.05	0.26	0.08
Average Daily Emissions (lbs/day)	3.09	23.68	32.87	4.23	0.82	4.11	1.22
BAAQMD Thresholds	54	54	N/A	82	54	N/A	N/A
Exceeds Thresholds?	No	No		No	No		

Number of Construction Work Days in 2025 129

		2026 Ops Unmitigated		2045 Ops											
	2025 with Mitigation	(Full Buildout, Initial		with											
GHG Emissions	(Initial Year Ops)	Year)	2026 Ops w Mitigation	Mitigation	Notes										
Construction 2024	1,474	1,505	11248.33044	11248.33044											
Construction 2025	548	542	6317.052769	6317.052769											
Construction 2026			1676.352262	1676.352262											
Total Construction	2,022	2,047	19241.73547	19241.73547											
Annual Construction Am	67	68	641.3911823	641.3911823											
Mobile-Trucks	15126.24697	9.302	15.126	14.828.50	Mitigated truck e	missions assun	nes no more than	2 min idling (MM	4.6-1d): 2045 emissi	ons account for clea	ner fleet based on E	MFAC 2021 for onrea	tional year 2045.		
Mobile-Passenger Vehicles	1560.844923	934	794	793.76	Mitigated passer	nger vehicle emi	issions assumes 1	15% reduction in a	assenger vehicle tr	avel as a result of TE	OM Plan (Mitigation	Measure 4.6-1g to In	nolement Transpor	tation MM 4.12-1	
Mobile-TRUs	684.379304	1,939		0	Mitigated TRU er	nissions assum	es zero-emission	TRUs per MM 4.6-:	i.						
Energy-Electricity	0	1.857		0	Mitigated Energy	emissions assu	umes no natural g	as and electricity	ource for project si	te will be 100 % carb	on free per MMs 4.7	1e and 4.4-1f, respe	ctively.		
Energy-Natural Gas	0	140		0	Mitigated Energy	emissions assu	umes no natural g	as and electricity	ource for project si	te will be 100 % carb	on free per MMs 4.7	1e and 4.4-1f, respe	ctively.		
Fugitive Refrigerants	1771.4	3,401	3,401	3,401	Mitigated refrige	rant emissions	assumes GWP of i	refrigerant used w	ill be <= that of cur	rent R-407F (i.e., <=1,	830), per MM 4.6-11.				
Yard Equpiment (e.g.,															
forklifts)		228		0	Mitigated Yard E	quipment assun	nes electrification	of yard equipmen	it per MM 4.6-1i.						
Stationary (e.g., backup generators)	7.855130634	16	16								DPM. but does not re				
water	394,3589716	16 355	16 355								Were not quantified		5.		
Waste	253.1837394	226	226							ulative and were not					
Area Sources	12.64416798	220	220	226	willie waste led	uction strategie	s will be impreme	rntea, emissions i	eductions are speci	arauve and were nor	i quantineu.				
Total Operational	12.04410/98														
Emissions	19.811	18.405	19.925	19.627											
Amortized Construction	67	68	641	641											
Total Operational + Const	19.878	18,474	20.567	20.269											
Service Population	861.957732	528	528	528											
GHG Efficiency	23.06	34.99	38.95	38.39											
	13.98	13.98	13.98	3.32											
					,										
	2025	2026	2027	2028	2029	2030	2031		2032	2033	2034	2035	2036	2037	2038
Threshold	13.98	13.98	13.98	13.98	13.98	13.98	13.98		13.98	13.98	13.98	13.98	13.98	13.98	13.98
Project GHG Efficiency	23.06	38.95	38.95184557	38.95184557	38.95184557	38.95	38.95		38.95	38.95	38.95	38.95	38.95	38.95	38.95
Delta in MT CO2e/SP	9.08	24.97	24.97	24.97	24.97	24.97	24.97		24.97	24.97	24.97	24.97	24.97	24.97	24.97
Delta in MT CO2e/yr	4,795.19	13,185.13	13,185.13	13,185.13	13,185.13	13,185.13	13,185.13		13,185.13	13,185.13	13,185.13	13,185.13	13,185.13	13,185.13	13,185.13
Total offsets required:	440.471.44														

Emissions Source	ROG	NOx	PM ₁₀	PM _{2.5}
Proposed Operational Emissions ¹				
Mobile	2.06	50.25	9.95	3.152
Area	14.89	0.10	0.02	0.015
Energy	0.04	0.71	0.05	0.054
Onsite Equipment	0.70	6.64	0.35	0.323
Stationary Sources	0.18	0.79	0.06	0.055
TRUS	63.08	60.17	1.70	1.568
Total Proposed Daily Operational Emissions	80.95	118.65	12.14	5.17
BAAQMD Thresholds of	54	54	87	54
Significance	54	54	82	54
Exceeds Thresholds?	Yes	Yes	No	No

Emissions Source	ROG	NOx	PM ₁₀	PM _{2.5}
Proposed Operational Emissions ¹				
Mobile	1.48	37.78	9.97	3.128
Area	14.89	0.10	0.02	0.015
Energy	0.00	0.00	0.00	0.000
Onsite Equipment	0.00	0.00	0.00	0.000
Stationary Sources	0.10	0.03	0.01	0.010
TRUS	13.67	13.04	0.37	0.340
Total Proposed Daily Operational Emissions	30.13	50.94	10.36	3.49
BAAQMD Thresholds of Significance	54	54	82	54
Exceeds Thresholds?	No	No	No	No

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Operational Transportation Energy Consumption

Source: EMFAC2021 (v1.0.2) Emissions Inventory Region Type: Air District Region: Bay Area AQMD

Calendar Year: 2025, 2026

Calendar Tear: CVC2, AVC0
Season: Annual
Vehicle Classification: EMFAC202x Categories
Units: miles/day for CVMT and EVMT, trips/day for Trips, kWh/day for Energy Consumption, tons/day for Emissions, 1000 gallons/day for Fuel Consumption

Project Annual VMT: Initial Ops 2nd Phase Ops: 13,617 5,994

														1	Project Daily		Project Annual Fuel	Project Annual
Region	CalYr	VehClass	MdlYr	Speed	Fuel	Population	TotalVMT	CVMT	EVMT	Trips	Energy Consumpt F	uel_Consum	Kwh/mile % \	VMT 1	/MT	Project Annual VMT	Consumption (gallons)	Electricity
Bay Area AQMD		2025 LDA	Aggregate	Aggregate	Gasoline	2208362.88	80466960.78	80466960.78	0	10225193.6		2621.2558		49.10%	6685.4056	2440173.03		0
Bay Area AQMD		2025 LDA	Aggregate	Aggregate	Diesel	8048.62779	220923.5077	220923.5077	0	33785.09221		5.1204039		0.13%	18.3549	6699.54		0
Bay Area AQMD		2025 LDA	Aggregate	Aggregate	Electricity	185077.64	8268405.938	0	8268405.938	907675.6381	3192287.121		0.386083	5.04%	686.9608	250740.69		96806.60081
Bay Area AQMD		2025 LDA	Aggregate	Aggregate	Plug-in Hybrid	67539.1411	2944814.667	1425110.596	1519704.071	279274.3485	458995.924	47.871022	0.30203	1.80%	244.6629	89301.96	1451.696157	26971.85365
Bay Area AQMD		2025 LDT1	Aggregate	Aggregate	Gasoline	210963.542	6828589.837	6828589.837	0	935423.8266		266.19873		4.17%	567.3371	207078.04		0
Bay Area AQMD		2025 LDT1	Aggregate	Aggregate	Diesel	103.494858	1220.114428	1220.114428	0	288.5234891		0.0504926		0.00%	0.1014	37.00	1.531194811	0
Bay Area AQMD		2025 LDT1	Aggregate	Aggregate	Electricity	748.541655	30778.2104	0	30778.2104	3576.177636	11882.92948		0.386083	0.02%	2.5571	933.35		360.3516748
Bay Area AQMD		2025 LDT1	Aggregate	Aggregate	Plug-in Hybrid	383.908079	17997.9362	7812.297117	10185.63909	1587.459907		0.2631754	0.30203	0.01%	1.4953	545.79	7.98083613	164.8449075
Bay Area AQMD		2025 LDT2	Aggregate	Aggregate	Gasoline	1106805.41	40820429.26	40820429.26	0	5184211.113		1630.3362		24.91%	3391.4680	1237885.83		0
Bay Area AQMD		2025 LDT2	Aggregate	Aggregate	Diesel	4448.58527	166000.8347	166000.8347	0	21023.15196		5.047531		0.10%	13.7918	5034.00	153.0671579	0
Bay Area AQMD		2025 LDT2	Aggregate	Aggregate	Electricity	8354.57792	284518.8078	0	284518.8078	42480.71282	109847.7424		0.386083	0.17%	23.6386	8628.08		
Bay Area AQMD		2025 LDT2	Aggregate	Aggregate	Plug-in Hybrid	9987.34051	446231.9982	203610.7444	242621.2538	41297.653	73278.84992	6.8889949	0.30203	0.27%	37.0741	13532.09	208.9098364	4087.083743
Bay Area AQMD		2025 MDV	Aggregate	Aggregate	Gasoline	625716.57	22471135.9	22471135.9	0	2899432.972	0	1089.4613		13.71%	1866.9607	681440.67	33038.08225	0
Bay Area AQMD		2025 MDV	Aggregate	Aggregate	Diesel	10033.3383	364298.4762	364298.4762	0	46862.89358	0	14.605182		0.22%	30.2669	11047.41	442.9044165	0
Bay Area AQMD		2025 MDV	Aggregate	Aggregate	Electricity	8880.93697	303058.8964	0	303058.8964	45191.1895	117005.7468	0	0.386083	0.18%	25.1789	9190.31	. 0	3548.217374
Bay Area AQMD		2025 MDV	Aggregate	Aggregate	Plug-in Hybrid	6009.57346	264244.2234	122084.4932	142159.7302	24849.58624	42936.47556	4.1801446	0.30203	0.16%	21.9541	8013.25	126.7635324	2420.239413
														100.00%				
Bay Area AQMD		2026 LDA	Aggregate	Aggregate	Gasoline	2201973.53	79971701.77	79971701.77	0	10194551.54		2550.4891		48.55%	2910.0533	1062169.47		0
Bay Area AQMD		2026 LDA	Aggregate	Aggregate	Diesel	7333.28677	198341.4906	198341.4906	0	30733.94052		4.5490764		0.12%	7.2174	2634.34		0
Bay Area AQMD		2026 LDA	Aggregate	Aggregate	Electricity	197142.751	8635854.551	0	8635854.551	961930.1271	3334152.612		0.386083	5.24%	314.2461	114699.84		44283.60317
Bay Area AQMD		2026 LDA	Aggregate	Aggregate	Plug-in Hybrid	72207.1734	3088502.431	1465288.972	1623213.459	298576.6621	490258.8443	49.271001	0.30203	1.87%	112.3861	41020.92		12389.54123
Bay Area AQMD		2026 LDT1	Aggregate	Aggregate	Gasoline	206448.569	6642983.323	6642983.323	0	915152.889		254.41406		4.03%	241.7285	88230.89		0
Bay Area AQMD		2026 LDT1	Aggregate	Aggregate	Diesel	90.0501492	1032.160591	1032.160591	0	246.6549537	0	0.0426089		0.00%	0.0376	13.71	0.56592374	0
Bay Area AQMD		2026 LDT1	Aggregate	Aggregate	Electricity	871.751485	36376.20341	0	36376.20341	4192.279763	14044.21681		0.386083	0.02%	1.3237	483.14		186.5327105
Bay Area AQMD		2026 LDT1	Aggregate	Aggregate	Plug-in Hybrid	510.98763	23454.82628	10006.80624	13448.02004	2112.933852			0.30203	0.01%	0.8535	311.52		94.08913986
Bay Area AQMD		2026 LDT2	Aggregate	Aggregate	Gasoline	1129979.05	41309843.47	41309843.47	0	5288581.586		1612.5209		25.08%	1503.2048	548669.76		0
Bay Area AQMD		2026 LDT2	Aggregate	Aggregate	Diesel	4539.43295	166790.5139	166790.5139	0	21379.64225		4.972676		0.10%	6.0693	2215.28	66.04617047	0
Bay Area AQMD		2026 LDT2	Aggregate	Aggregate	Electricity	10495.5295	350457.1666	0	350457.1666	53110.18841	135305.3911	0	0.386083	0.21%	12.7526	4654.71		1797.101376
Bay Area AQMD		2026 LDT2	Aggregate	Aggregate	Plug-in Hybrid	11644.8167	507566.567	227374.6807	280191.8863	48151.31705		7.7036953	0.30203	0.31%	18.4696	6741.41		2036.105539
Bay Area AQMD		2026 MDV	Aggregate	Aggregate	Gasoline	637207.828	22757042.41	22757042.41	0	2953312.881		1077.6964		13.82%	828.0955	302254.86		0
Bay Area AQMD		2026 MDV	Aggregate	Aggregate	Diesel	10047.0001	357023.161	357023.161	0	46673.68887		14.092621		0.22%	12.9916	4741.92	187.1756119	0
Bay Area AQMD		2026 MDV	Aggregate	Aggregate	Electricity	11136.8365	372355.6114	0	372355.6114	56387.91631	143759.9982		0.386083	0.23%	13.5495	4945.56		1909.393915
Bay Area AQMD		2026 MDV	Aggregate	Aggregate	Plug-in Hybrid	7068.37992	304778.847	137586.9968	167191.8502	29227.75098	50496.92188	4.7183865	0.30203	0.19%	11.0905	4048.02	62.66874312	1222.621699
							328623713.9											11,272,087

Category	Amount	Units
Diesel (heat content)	5.8	MMBtu/barrel
Motor Gasoline	5.25	MMBtu/barrel
Gallons per Barrel	42	gallons/barrel
		MMBtu/KWh
Source: The Climate Registry. 2021. 2021 Climate Registry Defa (https://www.theclimateregistry.org/wp-content/uploads/202:		
Project Mobile Energy		
Gallons/year, Diesel	1,067	Diesel
	1,067 243,026	
Gallons/year, Diesel		Gasoline
Gallons/year, Diesel Gallons/year, Gasoline	243,026	Gasoline Electricity
Gallons/year, Diesel Gallons/year, Gasoline KWh/year, Electricity	243,026 152,223 2,619	Gasoline Electricity
Gallons/year, Diesel Gallons/year, Gasoline KWh/year, Electricity Gallons/year, Gasoline, Plug-in Hybrid	243,026 152,223 2,619 49,386	Gasoline Electricity Plug-in Hybrid
Gallons/year, Diesel Gallons/year, Gasoline KWh/year, Electricity Gallons/year, Gasoline, Plug-in Hybrid KWh/year, Electricity, Plug-in Hybrid	243,026 152,223 2,619 49,386 201,609	Gasoline Electricity Plug-in Hybrid Plug-in Hybrid

Emissions Rato Code Phase Annual (tors) 1.1 Phase 1 Annual (tors) 1.1 Phase 1 Annual (tors) 1.1 Phase 1	Subphase Activity Whole Developmen Site Preparation (202) Whole Developmen Site Preparation (202)	Emissions Source I) - Off-Road Equipment I) - Dust Emm Material Mou	Unmitigated Unmitieated	Onsite	fear TOG 2024 0.1302 2024	ROG 0.1094	NOx 1.0786	CD 0.9878	5D ₂ 0.0015	PM10E 0.0480	PM 100 0.5897	PM10T 0.0480 0.5897	PM2.5E 0.0442	PM 2.5D 0.3031	PM2.5T 0.0442 0.3031	BCO ₂	NBCO ₃ 144.1266	CO ₂ T 144.1266	0.0058	N2O 0.0012	R	CO ₂ e 144.6213
Annual (tors) 1.1 Phase 1 Annual (tors) 1.1 Phase 1	Whole Developmen Site Preparation (202)	I) - Ornite touck	Unmitigated Unmitieated	Onsite	2024 - 2024 0.0022	0.0020	0.0018	0.0197 0.0017		0.0077	0.0042	0.0042	0.00010	0.0010	0.0010		4.0676 2.9554	4.0676 2.9554	0.0001	0.0002 0.0004	0.0082 0.0034	4.1275 3.0930
Annual (tors) 1.1 Phase 1 Annual (tors) 1.1 Phase 1 Annual (tors) 1.1 Phase 1 Annual (tors) 1.2 Phase 1	Whole Developmen Grading (2024) - Unmi	tiza Off-Road Equipment	Unmitteated Unmittgated Unmitteated	Offsite Onsite	2024 0.0003 2024 - 2024 0.3244	0.0001	2.6573	2.3385	0.0000	0.0000	0.0008	0.0009	0.0000	0.0002	0.0003		2.9554 - 463.8983	2.9554 - 463.8983	0.0001	0.0004	0.0034	3.0930 - 465.4903
Annual (tors) 1.2 Phase 1 Annual (tors) 1.2 Phase 1 Annual (tors) 1.2 Phase 1 Annual (tors) 1.2 Phase 1	Whole Developmen Gradine (2024) - Unmi Whole Developmen Grading (2024) - Unmi Whole Developmen Gradine (2024) - Unmi	tiga Onsite truck ties Worker	em Unmiticated Unmitigated Unmiticated	Onsite	2024 - 2024 - 2024 0.0066	0.0060	0.0053	0.0581	-	0.0221	0.7141	0.7141	0.00029	0.2833	0.2833		12.0090	12.0090	0.0003	0.0005	0.0241	12.1859
Annual (tors) 1.2 Phase 1 Annual (tors) 1.2 Phase 1 Annual (tors) 1.3 Phase 1	Whole Developmen Gradine (2024) - Unmi Whole Developmen Grading (2024) - Unmi Offsite Improvemer Linear, Grubbine & Let	ties Vendor tigs Hauling	Unmitteated	Offsite Offsite	2024 0.0006 2024 0.0032 2024 0.0060	0.0003 0.0030 0.0050	0.0117 0.0628 0.0430	0.0045 0.0212 0.0431	0.0001	0.0001	0.0021	0.0023 0.0131 0.0026	0.0001 0.0009 0.0024	0.0006	0.0007 0.0042 0.0024		7.6348 43.8109 5.4489	7.6348 43.8109 5.4489	0.0002 0.0020 0.0002	0.0011	0.0087	7.9903 45.9609 5.4676
Annual (tors) 1.3 Phase 1 Annual (tors) 1.3 Phase 1	Offsite Improvemer Linear, Grubbine & Las	nd C Dust From Material Move	em Unmiticated Unmitigated	Onsite	2024 2024 -						0.0050	0.0050	-	0.0005	0.0005							
Annual (tors) 1.3 Phase 1 Annual (tors) 1.3 Phase 1 Annual (tors) 1.3 Phase 1	Offsite Improvemer Linear, Grubbing & La Offsite Improvemer Linear, Grubbing & La Offsite Improvemer Linear, Grubbing & La	nd C Worker nd C Vendor nd C Hauling	Unmitteated Unmitteated Unmittgated	Offsite Offsite	2024 0.0006 2024 - 2024 -	0.0006	0.0005	0.0053		0.0020	0.0011	0.0011	0.00003	0.0003	0.0003		1.1041	1.1041	0.0000	0.0000	0.0022	1.1203
Annual (tors) 1.4 Phase 1	Offsite Improvemer Linear, Grading & Excu Offsite Improvemer Linear, Grading & Excu	rvat Ott-Road Equipment rvat Dust From Material Mov-	em Unmitieated	Onsite	2024 0.1878 2024	0.1578	1.4447	1.4786	0.0028	0.0669	0.1448	0.0669 0.1448	0.0615	0.0156	0.0615		270.4328	270.4328	0.0110	0.0022		271.3609
Annual (tors) 1.4 Phase 1 Annual (tors) 1.4 Phase 1 Annual (tors) 1.4 Phase 1	Offsite Improvemer Linear, Grading & Exco Offsite Improvemer Linear, Grading & Exco Offsite Improvemer Linear, Grading & Exco	rvat Vendor	Unmitigated Unmitigated Unmitigated	Offsite	2024 - 2024 0.0074 2024 0.0001	0.0068	0.0060	0.0658	0.0000	0.0250	0.0141	0.0141	0.00033	0.0033	0.0033		13.5973 0.9605	13.5973 0.9605	0.0004	0.0006	0.0273	13.7976 1.0052
Annual (tors) 1.4 Phase 1 Annual (tors) 1.5 Phase 1 Annual (tors) 1.5 Phase 1	Offsite Improvemer Linear, Grading & Exc. Offsite Improvemer Linear, Drainage, Utilit Offsite Improvemer Linear, Drainage, Utilit	ies, Off-Road Equipment	Unmitigated Unmitigated em Unmitigated	Onsibe	2024 - 2024 0.0829 2024	0.0694	0.6566	0.6936	0.0013	0.0274	0.0541	0.0274	0.0252	0.0058	0.0252 0.0058		126.1217	126.1217	0.0051	0.0010		126.5545
Annual (tors) 1.5 Phase 1 Annual (tors) 1.5 Phase 1	Cétate Improvemer Linear, Drainage, Utils Offiste Improvemer Linear, Paving (2024).	ies, Onsite truck ies, Worker	Unmitigated	Onsite	2024 - 2024 0.0047	0.0043	0.0038	0.0414		0.0160	0.0089	0.0089	0.00021	0.0021	0.0021		8.5612	8.5612	0.0002	0.0003	0.0172	8.6874
Annual (tons) 1.5 Phase 1 Annual (tons) 1.5 Phase 1 Annual (tons) 1.5 Phase 1 Annual (tons) 1.6 Phase 1	Offsite Improvemer Linear, Drainage, Utilit Offsite Improvemer Linear, Drainage, Utilit Offsite Improvemer Linear, Paving (2024)	ies. Vendor ies, Hauling - Un Off-Road Equipment	Unmiticated Unmitigated Unmitigated	Offsite Offsite Onsite	2024 - 2024 - 2024 0.0160	0.0135	0.1222	0.1707	0.0002	0.0058		0.0058	0.0053		0.0053		23.2679	23.2679	0.0009	0.0002		23.3477
Annual (tors) 1.5 Phase 1 Annual (tors) 1.5 Phase 1 Annual (tors) 1.5 Phase 1	Offsite Improvemer Linear, Pavine (2024) Offsite Improvemer Linear, Paving (2024) Offsite Improvemer Linear, Paving (2024)	- Un Worker	Unmiticated Unmitigated Unmitigated	Offsite	2024 - 2024 0.0015 2024 -	0.0014	0.0012	0.0136		0.0052	0.0029	0.0029	0.00007	0.0007	0.0007		2.8086	2.8086	0.0001	0.0001	0.0056	2.8499
Annual (tors) 1.6 Phase 1 Annual (tors) 1.7 Phase 1	Offsite Improvemer Linear, Pavine (2024) Managed Open Spa Grading & Finish Excar	- Un Hauling vall Off-Road Equipment	Unmitteated Unmittgated	Offsite	2024 - 2024 0.0727	0.0610	0.5698	0.5325	0.0008	0.0260		0.0260	0.0239		0.0239		79.2241	79.2241	0.0032	0.0006		79.4959
Annual (tors) 1.7 Phase 1 Annual (tors) 1.7 Phase 1 Annual (tors) 1.7 Phase 1	Managed Open Spa Grading & Finish Exca Managed Open Spa Grading & Finish Exca Managed Open Spa Grading & Finish Exca	vati Onsite truck	em Unmitigated Unmitieated Unmitieated	Onsite	2024 2024 - 2024 0.0014	0.0013	0.0012	0.0126	1	0.0058	0.2949	0.2949	0.00008	0.1515	0.1515		2.6149	2.6149	0.0001	0.0001	0.0053	2.6534
Annual (tors) 1.7 Phase 1			Unmitigated Unmitieated	Offsite Offsite	2024 -	- 1	-				-	0.0079		-			38.0684	38.0684	0.0015	0.0003	-	-
Annual (tors) 1.7 Phase 1 Annual (tors) 2.1 Phase 2 Annual (tors) 2.1 Phase 2 Annual (tors) 2.1 Phase 2	Marangeo Lipen Spil Gesterig & Irrinin Excel Marangeo Copen Spil Gesterie & Firish Excel Buildings A, B/C + Rr Fire Grading (2024) Buildings A, B/C + Rr Fire Grading (2024)	Ott-Road Equipment Dust From Material Mov- Onsite truck	Unmitteated em Unmittgated Unmitteated	Onsite Onsite	2024 0.0228 2024 2024 -	0.0192	0.1888	0.1677	0.0004	0.0079	0.0225	0.0079	0.0073	0.0024	0.0073		38.0684		0.0015	0.0003		38.1991
Annual (tors) 2.1 Phase 2 Annual (tors) 2.1 Phase 2 Annual (tors) 2.1 Phase 2 Annual (tors) 2.1 Phase 2	Buildines A. B/C + Rr Fine Gradine (2024) Buildings A. B/C + Rr Fine Grading (2024) Buildines A. B/C + Rr Fine Gradine (2024)	Onsite truck Worker Vendor Hauling	Unmiticated Unmiticated Unmitigated Unmiticated	Offsite	2024 0.0004 2024 0.0001 2024 -	0.0004	0.0004	0.0040	0.0000	0.0015	0.0009	0.0009	0.00002	0.0002	0.0002		0.8232 0.8374	0.8232 0.8374	0.0000	0.0000	0.0017	0.8353 0.8764
Annual (tors) 2.2 Phase 2 Annual (tors) 2.2 Phase 2	Buildings A. B/C + Rr Building Construction (Buildings A, B/C + Rr Building Construction (202 Off-Road Equipment 202 Onsite truck	Unmitinated Unmitigated	Onsite	2024 0.0354 2024 -	0.0296	0.2765	0.3232	0.0006	0.0123		0.0123	0.0113		0.0113		53,6006	51,6006	0.0022	0.0004		53.7845
Annual (tors) 2.2 Phase 2 Annual (tors) 2.2 Phase 2 Annual (tors) 2.2 Phase 2	Buildines A. B/C + Rr. Buildine Construction (Buildines A. B/C + Rr. Buildine Construction (Buildines A. B/C + Rr. Buildine Construction (202 Vendor	Unmitteated Unmitteated Unmitteated	Offsite	2024 0.0378 2024 0.0073 2024 .	0.0345	0.0305	0.3347	0.0006	0.1160	0.0720	0.0720	0.00152	0.0168	0.0168		69.1866 85.8246	69.1866 85.8246	0.0018	0.0028	0.1389	70.2058 89.8207
Annual (tors) 2.2 Phase 2	Buildings A. B/C+Rs Building Construction (Buildings A. B/C+Rs Building Construction (Buildings A. B/C+Rs Building Construction (Buildings A. B/C+Rs Building Construction (202 Off-Road Equipment 202 Omite truck	Unmittented Unmittented	Onsite Onsite	2025 0.0842 2025 -	0.0704	0.6528	0.8150	0.0015	0.0270		0.0270	0.0248		0.0248		135.9463	135.9463	0.0055	0.0011		116.4129
Annual (tors) 2.2 Phase 2 Annual (tors) 2.2 Phase 2 Annual (tors) 2.2 Phase 2	Buildings A, B/C + Rr Building Construction (Buildings A, B/C + Rr Building Construction (Buildings A: B/C + Rr Building Construction (202 Worker 202 Vendor 202 Hauling	Unmitigated Unmitigated Unmitieated	Offsite Offsite	2025 0.0861 2025 0.0166 2025 -	0.0836	0.0706	0.7872	0.0016	0.3325	0.1825	0.1825	0.00436	0.0427	0.0427		172.0994 214.3380	172.0994 214.3380	0.0045	0.0071	0.3259	174.6577 224.0306
Annual (tors) 2.3 Phase 2 Annual (tors) 2.3 Phase 2	Buildings A, B/C+Re Paving (2025) Buildings A, B/C+Re Paving (2025) Buildings A, B/C+Re Paving (2025)	Off-Road Equipment Paying	Unmitigated Unmitigated	Onsite	2025 0.0057 2025	0.0048 0.0303	0.0447	0.0599	0.0001	0.0021		0.0021	0.0019		0.0019		8.2270	8.2270	0.0003	0.0001		8.2552
Annual (tors) 2.3 Phase 2 Annual (tors) 2.3 Phase 2 Annual (tors) 2.3 Phase 2	Buildings A, B/C + Re Paving (2025) Buildings A, B/C + Re Paving (2025)	Onsite truck Worker Vendor	Unmitteated Unmittgated Unmittgated	Offsite	2025 - 2025 0.0003 2025 -	0.0003	0.0003	0.0031		0.0013	0.0007	0.0007	0.00002	0.0002	0.0002		0.6839	0.6839	0.0000	0.0000	0.0013	0.6941
Annual (tors) 2.3 Phase 2 Annual (tors) 2.4 Phase 2 Annual (tors) 2.4 Phase 2		Hauling 202 Off-Road Equipment	Unmitteated	Offsite	2025 - 2025 0.0009 2025	0.0008 4.6618	0.0053	0.0068	0.0000	0.0002		0.0002	0.0002		0.0002		0.7268	0.7268	0.0000	0.0000		0.7293
Annual (tors) 2.4 Phase 2 Annual (tors) 2.4 Phase 2 Annual (tors) 2.4 Phase 2 Annual (tors) 2.4 Phase 2	Buildings A, B/C + Rr Anchitectural Costing (Buildines A, B/C + Rr Anchitectural Costing (Buildings A, B/C + Rr Anchitectural Costing (Buildings A, B/C + Rr Anchitectural Costing (Buildines A, B/C + Rr Anchitectural Costing (202 Onsite truck 202 Worker	Unmitigated Unmitigated Unmitigated Unmitigated	Onsite Offsite	2025 2025 - 2025 0.0017	4.6618 0.0016	0.0014	0.0151		0.0065	0.0035	0.0035	0.00008	0.0008	0.0008		3.3043	3.3043	0.0001	0.0001	0.0063	3.3534
Annual (tors) 2.4 Phase 2 Annual (tors) 2.4 Phase 2 Annual (tors) 2-Offers Phase 2	Buildings A, B/C + Rr Architectural Coating (Buildings A, B/C + Rr Architectural Coating (Onerations - Building Operations	202 Vendor 202 Hauline Mobile to/from Site - Tru	Unmitterated	Offsite Offsite	2025 - 2025 -	0.2377	13.5899	6.4185		0.1877	2.1231	2.3107	0.1794	0.5086	0.7781				0.4738	2.1355		14,931.4823
Annual (tors) 2-Offms Phase 2 Annual (tors) 2-Offms Phase 2	Operations - Building Operations Operations - Building Operations Operations - Building Operations	Mobile to/from Site - Can Mobile Travel Onsite - Tr	s Unmitigated uck Unmitieated	Offsite	2025 -	0.1845	0.3935	4.7421 0.2223		0.0068	0.5745	0.5812	0.0062	0.5986 0.3442 0.0080	0.0104				0.0413	0.0402		1,380.4124
Annual (tors) 2-Offers Phase 2 Annual (tors) 2-Offers Phase 2 Annual (tors) 2-5 Phase 2	Operations - Building Operations Operations - Building Operations Operations - Building Operations	Mobile Travel Onsite - Ca Mobile Idling Onsite - Tru Electricity - Buildines	ck: Unmitigated Unmitigated	Onsite	2025 - 2025 - 2025	0.1401	0.1409	1.6324 0.7300		0.0014	0.0646	0.0061	0.0013	0.0022	0.0035		1.953.2310	1.953.2310	0.0301 0.0430 0.3160	0.0156		180.4326 107.4908 1.972.5447
Annual (tors) 2.5 Phase 2	Operations - Buildiny Operations Operations - Buildiny Operations	Electricity - Parkine Natural Gas - Buildings	Unmitteated Unmittgated	Offsite Onsite	2025 2025 0.0231	0.0115	0.2098	0.1763	0.0013	0.0159		0.0159	0.0159		0.0159		81.7341 227.1218	81.7341 227.1218	0.0112	0.0016		82.5423 227.7517
Annual (tons) 2.5 Phase 2 Annual (tons) 2.5 Phase 2 Annual (tons) 2.5 Phase 2 Annual (tons) 2.5 Phase 2	Operations - Buildiry Operations Operations - Buildiry Operations Operations - Buildiry Operations	Area Sources - Consumer Area Sources - Architectu Area Sources - Landscape	ral Unmitteated e Et Unmittgated	Onsite Onsite	2025 2025 0.6004	3.3863 0.4662 0.5541	0.0284	3.3767	0.0002	0.0045		0.0045	0.0060		0.0060		12.5987	12.5987	0.0005	0.0001		12.6442
Annual (tors) 2.5 Phase 2 Annual (tors) 2.5 Phase 2 Annual (tors) 2.5 Phase 2	Operations - Buildins Operations Operations - Buildins Operations Operations - Buildins Operations	Water Waste Refrigerants	Unmitteated Unmitteated Unmittgated	Offsite	2025 2025 2025											63.2991 72.3659	121.6363	184.9354 72.3659	6.5103 7.2327	0.1566		394.3590 253.1837 3,806.8718
Annual (tors) 2.5 Phase 2 Annual (tors) 2.5 Phase 2	Operations - Buildiry Operations Operations - Buildiry Operations	Yard Equipment Emergency Generators	Unmitterated Unmitterated	Onsite	2025 0.253899300 2025 0.0180	0.0164	2.0202471 0.0695	2.84957886 0.0628	0.0001	0.1068752 0.0048		0.1068752 0.0048	0.0983252 0.0048		0.0983252 0.0048		378.6328263 7.6160	378.6328263 7.6160	0.015359004	0.003072		379.9321981 7.6414
Annual (tors) 2.5 Phase 2 Annual (tors) 2-Offm Phase 2 Annual (tors) 2-Offm Phase 2	Operations - Building Operations Operations - Building Operations Operations - Building Operations	Fire Pumps TRUs - cryste idline	Unmitigated Unmitieated Unmitieated	Offsite	2025 0.0180 2025 - 2025 -	0.0164 3.7499 14.9997	0.0695 3.5774 14.3095	0.0628 0.4572 1.8288	0.0001	0.0048 0.1013 0.4053		0.0048 0.1013 0.4053	0.0048 0.0932 0.3729		0.0048 0.0932 0.3729		7.6160	7.6160	0.0003 0.0429 0.1714	0.0001 0.0195 0.0782		7.6414 631.7347 2.526.9390
Annual (tors) 3.1 Phase 3 Annual (tors) 3.1 Phase 3	Buildings D - G + Rel: Fine Grading (2025) Buildings D - G + Rel: Fine Gradine (2025)	Off-Road Equipment Dust From Material Move	Unmitigated em Unmitieated	Onsite	2025 0.0207 2025	0.0174	0.1610	0.1595	0.0004	0.0067	0.0225	0.0067	0.0061	0.0024	0.0061		38.0749	38.0749	0.0015	0.0003		38.2055
Annual (tors) 3.1 Phase 3 Annual (tors) 3.1 Phase 3 Annual (tors) 3.1 Phase 3 Annual (tors) 3.1 Phase 3	Buildings D - G+ Rels Fine Grading (2023) Buildings D - G+ Rels Fine Gradine (2023) Buildings D - G+ Rels Fine Grading (2023) Buildings D - G+ Rels Fine Grading (2023) Buildings D - G+ Rels Fine Gradine (2023) Buildings D - G+ Rels Building Construction Buildings D - G+ Rels Building Construction Buildings D - G+ Rels Building Construction Buildings D - G+ Rels Building Construction	Ornite truck Worker Vendor	Unmitigated Unmitigated Unmitigated	Offsite Offsite	2025 - 2025 0.0004 2025 0.0001	0.0004	0.0003	0.0037	0.0000	0.0015	0.0009	0.0009	0.00002	0.0002	0.0002		0.8074 0.8245	0.8074	0.0000	0.0000	0.0015	0.8194 0.8618
Annual (tors) 3.1 Phase 3 Annual (tors) 3.2 Phase 3 Annual (tors) 3.2 Phase 3	Buildings D - G + Rel: Fine Gradine (2025) Buildings D - G + Rel: Building Construction (Hauline 202 Off-Road Equipment	Unmiticated Unmitigated Unmitigated	Onsite	2025 - 2025 0.0626 2025 -	0.0515	0.4774	0.5961	0.0011	0.0197		0.0197	0.0182		0.0182		99.4350	99.4350	0.0040	0.0008		99.7763
Annual (tors) 3.2 Phase 3 Annual (tors) 3.2 Phase 3	Buildings D - G + Rel: Building Construction (202 Vendor	Unmitterated Unmittigated	Offsite	2025 0.0302 2025 0.0058	0.0293	0.0247	0.2759	0.0006	0.1078	0.0540	0.0640	0.00141	0.0150	0.0150		60.3197 75.1241	60.3197 75.1241	0.0016	0.0025	0.1142	61.2164 78.5213
Annual (tors) 3.2 Phase 3 Annual (tors) 3.2 Phase 3 Annual (tors) 3.2 Phase 3	Buildings D - G + Rel: Building Construction (Buildines D - G + Rel: Buildine Construction (Buildings D - G + Rel: Building Construction (202 Off-Road Equipment	Unmitigated Unmitieated	Onsite	2025 - 2026 0.0512 2026 -	0.0428	0.3942	0.5187	0.0009	0.0151		0.0151	0.0139		0.0139		86.9897	86.9897	0.0035	0.0007		87.2882
			Unmitigated Unmitigated Unmitieated	Offsite	2026 0.0253 2026 0.0051	0.0229	0.0195	0.2264	0.0005	0.1053	0.0560	0.0560	0.00138	0.0131	0.0131		51.7715 64.6331	51.7715 64.6331	0.0013	0.0022	0.0920	52.5448 67.5958
Annual (tors) 3.2 Phase 3 Annual (tors) 3.2 Phase 3 Annual (tors) 3.2 Phase 3 Annual (tors) 3.3 Phase 3 Annual (tors) 3.3 Phase 3	Buildines D - G + Rel: Buildine Construction (Buildines D - G + Rel: Buildine Construction (Buildines D - G + Rel: Paving (2026) Buildines D - G + Rel: Pavine (2026)	202 Hauling Off-Road Equipment Paying	Unmitigated Unmitigated Unmitieated	Offsite Onsite Onsite	2026 - 2026 0.0059 2026	0.0049	0.0463	0.0646	0.0001	0.0021		0.0021	0.0019		0.0019		8.9075	8.9075	0.0004	0.0001		8.9381
Annual (torn) 3.3 Phase 3 Annual (torn) 3.3 Phase 3 Annual (torn) 3.3 Phase 3 Annual (torn) 3.3 Phase 3	Buildings D - G + Rel: Paving (2026) Buildings D - G + Rel: Paving (2026) Buildines D - G + Rel: Pavine (2026)	Pavine Onsite truck Worker Vendor	Unmitigated Unmitigated Unmitieated	Onsite	2026 - 2026 0.0004 2026 -	0.0003	0.0003	0.0032		0.0014	0.0008	0.0008	0.00002	0.0002	0.0002		0.7267	0.7267	0.0000	0.0000	0.0013	0.7376
Annual (tors) 3.3 Phase 3 Annual (tors) 3.4 Phase 3	Buildings D - G + Rel: Pavine (2026) Buildings D - G + Rel: Architectural Coating (Hauling 202 Off-Road Equipment	Unmitinated Unmitigated	Offsite	2026 - 2026 0.0009	0.0008	0.0056	0.0074	0.0000	0.0002		0.0002	0.0001	- 1	0.0001		0.7872	0.7872	0.0000	0.0000	- 1	0.7899
Annual (tors) 3.4 Phase 3 Annual (tors) 3.4 Phase 3 Annual (tors) 3.4 Phase 3	Buildines D - G + Reli Architectural Coatine (Buildines D - G + Reli Architectural Coatine (Buildines D - G + Reli Architectural Coatine (202 Onsite truck	Unmitteated Unmitteated Unmitteated	Onsite	2026 2026 - 2026 0.0008	2.2500 - 0.0007	0.0006	0.0074		0.0012	0.0018	0.0018	0.00004	0.0004	0.0004		1.6826	1.6826	0.0000	0.0001	0.0030	1.7077
Annual (tors) 1.4 Phase 3 Annual (tors) 3.4 Phase 3 Annual (tors) 3-Offms Phase 3 Annual (tors) 3-Offms Phase 3	Buildings D - G + Res Architectural Coating (Buildings D - G + Res Architectural Coating (Buildings D - G + Res Architectural Coating (Operations - Building Operations	202 Vendor 202 Haulina	Unmitteated Unmitteated	Offsite Offsite	2026 - 2026 -	0.1021	-					-			-				0.2192			
Annual (tors) 3-Offms Phase 3 Annual (tors) 3-Offms Phase 3 Annual (tors) 3-Offms Phase 3	Operations - Building Operations Coerations - Building Coerations Coerations - Building Coerations	Mobile to/from Site - Tru Mobile to/from Site - Can Mobile Travel Onsite - Tr Mobile Travel Onsite - Ca	cks Unmitigated s Unmitteated uck Unmitteated	Offsite Onsite	2026 - 2026 - 2026 -	0.1021 0.0815 0.0031	6.2775 0.1715 0.1179	2.7572 2.1354 0.0695		0.0031 0.0031	0.2752 0.0031	1.1073 0.2784 0.0033	0.0029	0.2873 0.0691 0.0009	0.0722 0.0720 0.0011				0.2192 0.0185 0.0012	0.0182 0.0034		7,054.7362 643.8491 21.7402
Annual (tors) 3-Offm Phase 3 Annual (tors) 3-Offm Phase 3 Annual (tors) 3.5 Phase 3	Operations - Building Operations Operations - Building Operations Operations - Building Operations Operations - Building Operations	Mobile Travel Onsite - Ca Mobile Idline Onsite - Tru Electricity - Buildines	ins Unmittigated ick: Unmitteated Unmitteated	Onsite	2026 - 2026 - 2026 -	0.0505	0.0519	0.5940		0.0004	0.0050	0.0064	0.0004	0.0002	0.0006		935.9694	935.9694	0.0110 0.0192 0.1514	0.0061		21.7402 27.0236 48.3570 945.2243
Annual (tors) 3.5 Phase 3 Annual (tors) 3.5 Phase 3	Operations - Building Operations Operations - Building Operations	Electricity - Parking Natural Gas - Buildines	Unmitigated	Offsite	2026 2026 0.0111	0.0055	0.1005	0.0845	0.0006	0.0076		0.0076	0.0076		0.0076		935,9694 48,5109 108,8346	935.9694 48.5109 108.8346	0.1514 0.0078 0.0096	0.0184 0.0010 0.0002		945.2243 48.9905 109.1364
Annual (tors) 3.5 Phase 3 Annual (tors) 3.5 Phase 3 Annual (tors) 3.5 Phase 3	Operations - Building Operations Operations - Building Operations Operations - Building Operations	Area Sources - Consumer Area Sources - Architectu Area Sources - Landscape	ral Unmittenated	Onsite	2026 2026 2026 0.2879	1.6243 0.2250 0.2656	0.0136	1.6182	0.0001	0.0022		0.0022	0.0029		0.0029		6.0372	6.0372	0.0003	0.0001		6.0590
Annual (ton) 15 Phase 3 Annual (ton) 15 Phase 3 Annual (ton) 15 Phase 3 Annual (ton) 15 Phase 3	Operations - Buildiry Operations Operations - Buildiry Operations Operations - Buildiry Operations Operations - Buildiry Operations	Waste Waste	Unmitteated Unmittgated	Offsite Offsite	2026 2026	2.2030				0022						30.3323 34.6770	59.4987	89.8310 34.6770	1.1199 3.4658	0.0051		190.1967 121.3232 1,824.2160
	Operations - Building Operations Operations - Building Operations Operations - Building Operations	Refrigerants Yard Equipment Emergency Generators	Unmitigated Unmitigated Unmitigated	Onsite Onsite Onsite	2026 2026 0.185401390 2026 0.0361	0.1557887 0.0328	1.4834078 0.1391	2.26712895 0.1256	0.00308	0.0708309		0.0708309	0.0651644		0.0651644		302.8999094 15.2319	302.8999094 15.2319	0.012286945	0.002457		1,824.2160 301.9393849 15.2828
Annual (tors) 3.5 Phase 3 Annual (tors) 3.5 Phase 3 Annual (tors) 3-Offm Phase 3 Annual (tors) 3-Offm Phase 3	Operations - Building Operations Operations - Building Operations Operations - Building Operations	Emergency Generators Fire Pumps TRUs - onroad travel TRUs - onsite idling	Unmitigated Unmitigated Unmitigated	Orisite	2026 0.0361 2026 0.0361 2026 -	0.0328 1.7969 7.1877	0.1391 1.7143 6.8570	0.1256 0.2191 0.8763	0.0002	0.0096 0.0485 0.1942		0.0096 0.0486 0.1942	0.0096 0.0447 0.1787		0.0096 0.0447 0.1787		15.2319	15.2319	0.0006 0.0205 0.0821	0.0001		15.2828 302.7215 1,210.8861
				-																		
Construction Emission Emissions Ret Code Annual (tons) Phase 1 Annual (tons) Phase 1 Annual (tons) Phase 1 Annual (tons) Phase 2 Annual (tons) Phase 2 Annual (tons) Phase 2 Annual (tons) Phase 2	Phase Subchase Whole Developmen Ste Precuration and G Offsite Improvemen: Linear Offsite (2024)- Manased Open Sos Gradier & Firsh Excus Buildnes A. MC + Rr. Fire Gradier. 2024 bit	Emissions Source ired All Construction Ure All Construction rati All Construction is C All Construction	Unmiticated Unmiticated Unmitigated Unmiticated Unmiticated	All Onsite All Onsite All Onsite All Onsite All Onsite All Onsite	2024 0.4675	ROG 0.3914 0.2587 0.0623 0.0873 4.8608	NOx 3.8220 2.2796 0.5710 0.6286 1.0937	00 3.4315 2.5127 0.5441 0.8801	50. 0.0066 0.0044 0.0008 0.0016	PM10E 0.1910 0.1908 0.0117 0.1990 0.3728	PM 100 1.3358 0.2313 0.2976 0.1196 0.2477	PM10T 1.4970 0.3339 0.3235 0.1411 0.2802	PM2.5E 0.1488 0.0951 0.0240 0.0214 0.0346	PM2.SD 0.5945 0.0284 0.1522 0.0262 0.0606	PM2.5T 0.7429 0.1229 0.1760 0.0460 0.0908	BCO+ - -	NBCD- 678,5025 452,3029 81,8389 248,3408 535,3256	00-7 678.5025 452.3029 81.8389 248.3408 533.3256	0.0274 0.0180 0.0033 0.0083	N-D 0.0141 0.0047 0.0007 0.0166 0.0396	0.0860 0.0535 0.0053 0.2395 0.5819	CO.e 683.4690 454.1911 82.1493 253.7218 548.1332
Annual (tors) Phase 2 Annual (tors) Phase 3 Annual (tors) Phase 3	Chiste Improveme: Linear Offste (2004) - Marsando Ocen Sou Gandher & Finish boza Buildnes A. B/C + Rr. Fine Gradine: 2024 tilc Buildnes A. B/C + Rr. 2025 tildg Const, Pavis Buildnes D. G + Reh Fine Gradine: 2025 tilg Buildnes D - G + Reh Fine Gradine: 2025 tilg Buildnes D - G + Reh 2026 tilde Const. Pavis	ng, All Construction for C. All Construction no. All Construction	Unmitigated Unmitieated Unmitieated	All Onsite All Onsite All Onsite		0.1011 2.3427	0.7764	1.8089 1.0783 0.8632	0.0020	0.1369	0.1090	0.1165	0.0269	0.0216	0.0490		535.3256 274.5856 215.4984	535.3256 274.5856 215.4984	0.0174 0.0096 0.0073	0.0396 0.0147 0.0126	0.5819 0.2038 0.3640	548.1332 279.4007 219.6021
Average Daily (bs/dy) All 2024	Al Al	All Construction		All Omite		8.1044	9.7311 55.7340	11.1189	0.0202	1.1506 3.9128	2.4181 15.1467	2.8080 17.5235	0.3692	6.1165	1.2636 8.3046		11.152.5586	11.152.5586	0.4344	0.2751		11.248.3304
Average Daily (bs/dy) All 2024 Average Daily (bs/dy) All 2025 Average Daily (bs/dy) All 2026	AI AI AI AI	All Construction All Construction All Construction	Unmiticated Unmitigated Unmiticated	All Onsite	2024 7.2703 2025 2.3986 2026 1.6913	37.8774	14.2753 4.2743	56.2478 22.0399 6.5896	0.0399	3.9128 3.8906 0.9794	2.7225 0.5899	3.1812 0.7302	0.4697 0.1407	0.1165 0.6424 0.1441	1.0671 0.2738		6,182.5286 6,182.5286 1.645.0259	11.152.5586 6,182.5286 1.645.0259	0.4344 0.2067 0.0557	0.2751 0.4140 0.0962	2.9328 5.9972 1.2523	6,317.0528 1.676.3523
Operational Emission Annual (tons/year) Phase 2	os Summarv Operations - Building Operations	All Operations	Unmitigated	All Onsite	2025 0.9135	24.0306	35.3083	22.5595	0.0055	0.8422	2.7905	3.6327	0.7856	0.7530	1.5387	135.6650	2,790.1866	2,925.8516	14.9188	2.5364	********	27,103.8436
Annual (tors/year) Phase 2 Annual (tors/year) Phase 3 Annual (tors/year) Full Buldou Average Daily (bs/dy) Full Buldou	Operations - All Dev. Operations	All Operations All Operations All Operations All Operations	Unmitigated Unmitigated Unmitieated Unmitieated	All Orsite All Orsite All Orsite	2026 1.4699	11.5942	35.3083 17.2976 52.6060 288.2518	22.5595 11.2061 33.7656 185.0169	0.0055 0.0041 0.0096 0.0524	0.4354 1.2776 7.0006	2.7905 1.3029 4.0934 22.4294	1.7383 5.3710 29.4300	0.4068 1.1924 6.5338	0.3574 1.1105 6.0847	1.5387 0.7642 2.3029 12.6185	65.0093 200.6743 1,099.5854	2,790.1866 1,492.2144 4.282.4010 23,465.2112	1,557.2237 4.481.0754 24,564.7966	14.9188 7.1421 22.0609 120.8818	2.5364 1.1903 3.7268 20.4207	********	12,888.9647 39.992.8082 219,138.6753
Average Jany (Daydy) Full Buildou		no operations	unmigated	~ unste	8.0544	aso. 2045	ent.4518	ad3.0169	u.us24	7.0006	22.4294	ad-4500	0.5338	s.us47	22.0185	-,us#.3654	as/400.2112	an, 364. 7966	220.6818	au-4407		, 1.0.0/53
Operations + Constru	action Overlap																					
Annual (tors./ 2025 All 2025 Annual (tors./ 2026 All 2026 Average Daily 2025 All 2025	Initial Cos + Phase Cos + Cont Initial Cos + Phase Cos + Cont Initial Cos + Phase Ops + Cont	All Cos + All Const All Cos + All Const All Ops + All Const	Unmiticated Unmiticated Unmitigated	All Onsite All Onsite	2025 0.3464 2026 1.0031 2025 1.8983	6.0923 26.3733 33.3824	9.5793 35.8683 52.4893	6.7028 23.4227 36.7275	0.0034 0.0070 0.0186	0.3469 0.9705 1.9006	0.8047 2.8677 4.4091	1.0422 3.7284 5.7108	0.2228 0.8041 1.2206	0.2113 0.7719 1.1580	0.4327 1.5746 2.3707	33.8233 135.6650 185.3333	970.2212 1.005.6850 5,316.2805	1.004.0445 3.141.3500 5,501.6138	3.7291 14.9261 20.4335	0.6470 2.5490 3.5454	949.3143 ***********************************	7.036.7973 27.323.4457 38,557.7935
Average Daily 2026 All 2026	Initial Oos + Phase Oos + Cont	All Clas + All Const	Unmitieated	All Onsite	2026 5.4965	144.5113	296.5385	128.3438	0.0384	5.3181	15.7136	20.4294	4.4058	4.2297	8.6277	743.3698	16.469.5071	17.212.8769	81.7867	13.9673	****	149.717.5107

Construction Emissions Detail Summary by Phase and Yea

		Phase Subphase	Emissions Source			Year TOG	RC			00			PM 100			PM2.5D	PM2.ST	sco,	NBCO ₂	T ₁ CO	CH4	N ₁ O		CO ₁ e	FuelType
Annual (tors)	Phase 1	Whole Developmen Site Preparation and Grad		Unmitigated			545	0.3819	3.7359	3.3263	0.0062	0.1602		0.1602	0.1474		0.1474		608.0249	608.0249	0.02	47 0.00	9 -	610.1115	
Annual (tors)	Phase 1	Whole Developmen Site Preparation and Grad		Unmitterated		2024 -							1.1035	1.3035		0.5864	0.5864								Diesel
Annual (tors) Annual (tors)	Phase_1 Phase 1	Whole Developmen Site Preparation and Grad Whole Developmen Site Preparation and Grad		Unmitigated Unmitigated		2024 -	oss	0.0080	0.0071	0.0778		0.0295	0.0167	0.0167	0.0004	0.0019	0.0039		16 0265	16.0765	0.00		7 0.012	16 3134	Diesel Gas
Annual (tors)	Phase 1	Whole Developmen Site Preparation and Grad		Unmitigated				0.0004	0.0162		0.0001	0.0002	0.0030	0.0031	0.0002	0.0008	0.0010	- 1	10.5902	10.5902	0.00				Diesel
Annual (tors)	Phase 1	Whole Developmen Site Preparation and Grad	d Hauling	Unmitigated				0.0010	0.0628		0.0003	0.0009	0.0122	0.0131	0.0009	0.0034	0.0042		43.8109	43.8109	0.00	20 0.000	9 0.041		Diesel
Annual (tors)	Phase 1	Offsite Improvemer Linear Offsite (2024) - Ur		Unmitigated			926	0.2457	2.2666	2.3860	0.0044	0.1027		0.1027	0.0945		0.0945		425.2713	425.2713	0.01	73 0.00	5 -	426.7308	
Annual (tors)	Phase 1	Offsite Improvemer Linear Offsite (2024) - Ur		Unmitigated		2024 -							0.2039	0.2039		0.0220	0.0220								Diesel
Annual (tors) Annual (tors)	Phase 1 Phase 1	Offsite Improvemer Linear Offsite (2024) - Ur Offsite Improvemer Linear Offsite (2024) - Ur		Unmiticated		2024 -																			Diesel Gas
Annual (tors)	Phase 1	Offsite Improvemer Linear Offsite (2024) - Ur	re Architectural Coating	Unmitinated		2024												- 1			- 1	- 1		- 1	Diesel
Annual (tors)	Phase 1	Offsite Improvemer Linear Offsite (2024) - Ur		Unmitigated		2024 0.	043	0.0130	0.0115	0.1261		0.0482	0.0271	0.0271	0.0006	0.0063	0.0063		26.0711	26.0711	0.00	0.00	1 0.052	26,4552	
Annual (tors)	Phase 1	Offsite Improvemer Linear Offsite (2024) - Ur		Unmitigated			001	0.0000	0.0015	0.0006	0.0000	0.0000	0.0003	0.0003	0.0000	0.0001	0.0001		0.9605	0.9605	0.00	0.000	0.001	1.0053	
Annual (tors)	Phase 1	Offsite Improvemer Linear Offsite (2024) - Ur	n Hauling	Unmitigated	Offsite	2024 -																			Diesel
Annual (tors) Annual (tors)	Phase 1 Phase 1	Managed Open Spa Grading & Finish Excavat Managed Open Spa Grading & Finish Excavat		Unmitigated		2024 0.	727	0.0510	0.5698	0.5315	0.0008	0.0260	0.2949	0.0260	0.0239	0.1515	0.0239		79.2241 79.2241	79.2241 79.2241	0.00			79.4955	Diesel Diesel
Annual (tors)	Phase 1	Managed Open Spa Grading & Finish Excavat Managed Open Spa Grading & Finish Excavat		Unmitteated		2024 -							0.2949	0.2949		0.1515	0.1515		79.2241	79.2241	0.00				Diesel
Annual (tors)	Phase 1	Managed Open Spa Grading & Finish Excavat		Unmitinated			014	0.0013	0.0012	0.0126		0.0058	0.0027	0.0027	0.0001	0.0006	0.0006		2.6149	2.6149	0.00				
Annual (tors)	Phase 1	Managed Open Spa Grading & Finish Excavat		Unmitigated	Offsite	2024 -																			Diesel
Annual (tors)	Phase 1	Managed Open Sox Grading & Finish Excavat	5 Hauline	Unmittented	Offsite	2024 -																			Diesel
Annual (tors)	Phase 2	Buildings A, B/C + Rr Fine Grading, Bidge Cons	st Off-Road Equipment	Unmitigated	Onsite	2024 0.	583	0.0488	0.4653	0.4909	0.0000	0.0202		0.0202	0.0185		0.0185		91.6690	91.6690	0.00	37 0.000	7 -	91.9836	5 Diesel
Annual (tors)	Phase 2	Buildings A. B/C + Rr Fine Gradine. Bidge Cons	at Dust from Material Movem			2024 -							0.0225	0.0225		0.0024	0.0024								Diesel
Annual (tors)	Phase 2	Buildines A. B/C + Rr Fine Gradine. Bidee Cons		Unmitinated		2024 -																			Diesel
Annual (tors)	Phase 2	Buildings A, B/C + Rr Fine Grading, Bidge Cons Buildings A, B/C + Rr Fine Grading, Bidge Cons		Unmitigated		2024 -																			Gas
Annual (tors) Annual (tors)	Phase 2 Phase 2	Buildings A. B/C + Rr Fine Grading. Bidge Cons Buildings A. B/C + Rr Fine Grading. Bidge Cons		Unmitinated			383	0.0349	0.0309	0.3387		0.1175	0.0728	0.0728	0.0015	0.0170	0.0170		70.0098	70.0098	0.00	18 0.000	8 0.140	71.0412	
Annual (torn)	Phone 2	Buildings A. B/C +Rr Fine Grading. Bidge Cons		Unmittenated				0.0015	0.0309	0.0506	0.0007	0.0013	0.0728	0.0756	0.0013	0.0057	0.0270		86 6620	85.5570	0.00				
Annual (tors)	Phase 2	Buildings A. B/C + Rr Fine Grading. Bidge Cons	at Hauline	Unmitteated	Offsite	2024 -																			Diesel
Annual (tors)	Phase 2	Buildings A. B/C + Rr Fine Grading. Bidge Cons		Unmitterated			908	0.0760	0.7028	0.8817	0.0006	0.0292		0.0292	0.0269		0.0269		144.9001	144.9001	0.00	59 0.000	2 -	145.3973	
Annual (tors)	Phase 2	Buildings A, B/C + Rr Fine Grading, Bidge Cons				2025 -																			Diesel
Annual (tors)	Phase 2	Buildines A. B/C + Rr Fine Gradine. Bidee Cons		Unmittented		2025 -		0.0303																	Diesel
Annual (tors) Annual (tors)	Phase 2 Phase 2	Buildings A. B/C + Rr Fine Grading. Bidge Cons Buildings A. B/C + Rr Fine Grading. Bidge Cons		Unmitinated		2025 -		4.6618										-							Gas Diesel
Annual (tors)	Phase 2	Buildings A. B/C + Rr Fine Grading, Bidge Cons		Unmitinated				0.0025	0.0722	0.8054		0.3403	0.1867	0.1867	0.0045	0.0437	0.0417		176.0876	176 0876	0.00	46 0.00	3 0.333	178 7057	
Annual (tors)	Phase 2	Buildings A. B/C + Rs. Fine Grading. Bidge Cons		Unmittenated		2025 0.	266	0.0072	0.3187		0.0006	0.0033	0.0610	0.0642	0.0033	0.0269	0.0201		214.3380	214.3380	0.00				
Annual (tors)	Phase 2	Buildings A, B/C + Rr Fine Grading, Bidge Cons	at Hauling	Unmitigated	Offsite	2025 -																			Diesel
Annual (tors)	Phase 3	Buildings D - G + Rel: Fine Grading. Bidge Cons	st Off-Road Equipment	Unmitinated	Onsite	2025 0.	822	0.0529	0.6384	0.7556	0.0005	0.0264		0.0264	0.0243		0.0243		137.5099	137.5099	0.00	56 0.00	1 .	137.9818	Diesel
Annual (tors)	Phase 3	Buildings D - G + Rel: Fine Grading, Bidge Cons		Unmitigated		2025 -							0.0225	0.0225		0.0024	0.0024								Diesel
Annual (tors)	Phase 3	Buildings D - G + Reli. Fine Grading, Bidge Cons		Unmitigated		2025 -																			Diesel
Annual (tors) Annual (tors)	Phase 3 Phase 3	Buildings D - G + Rel: Fine Gradine, Bidge Cons Buildings D - G + Rel: Fine Grading, Bidge Cons		Unmitinated Unmitigated		2025 -																			Gas
Annual (tors)	Phase 3	Buildings D - G + Ret. Fine Grading, stops cons Buildings D - G + Ret. Fine Grading. Bidge Cons		Unmittested			206	0.0297	0.0251	0.2796		0.1091	0.0548	0.0548	0.0014	0.0152	0.0152	- 1	61 1221	61 1271	0.00	16 0.00	5 0.115	62.0350	
Annual (tors)	Phase 3	Buildings D - G + Rel. Fine Grading. Bidge Cons		Unmitigated	Offsite	2025 0.	059	0.0025	0.1129	0.0431	0.0006	0.0012	0.0216	0.0228	0.0012	0.0060	0.0071		75.9486	75,9486	0.00	25 0.01	0.088	79.3833	L Diesel
Annual (tors)	Phase 3	Buildings D - G + Rel: Fine Grading, Bidge Cons		Unmitigated		2025 -																			Diesel
Annual (tors)	Phase 3	Buildings D - G + Reli. Fine Grading, Bidge Cons		Unmitigated			580	0.0485	0.4460	0.5906	0.0000	0.0174		0.0174	0.0160		0.0160		96.6844	95.6844	0.00	39 0.000	· -	97.0163	
Annual (tors) Annual (tors)	Phase 3 Phase 3	Buildings D - G + Rel: Fine Gradine, Bidge Cons Buildings D - G + Rel: Fine Gradine, Bidge Cons		Unmiticated Unmiticated		2026 -																			Diesel
Annual (tors)	Phase 3	Buildings D - G + Ret. Fine Grading, stops cons Buildings D - G + Ret. Fine Grading. Bidge Cons		Unmitigated		2026 -		0.0180					- 1					- 1	- 1	- 1	- 1	- 1	- 1	- 1	Gas
Annual (tors)	Phase 3	Buildings D - G + Rel. Fine Grading. Bidge Cons		Unmitigated		2026 -		2.2500										-						-	Diesel
Annual (tors)	Phase 3	Buildings D - G + Rel: Fine Grading, Bidge Cons		Unmitigated		2026 0.		0.0240	0.0204	0.2369		0.1099	0.0586	0.0586	0.0014	0.0137	0.0137		54.1808	54.1808	0.00	13 0.000	3 0.096	54.9903	
Annual (tors)	Phase 3	Buildings D - G + Rel: Fine Grading, Bldge Cons		Unmitigated			051	0.0022	0.0935	0.0357	0.0005	0.0010	0.0187	0.0197	0.0010	0.0052	0.0062		64.6331	64.6331	0.00	21 0.000	5 0.067	7 67.5958	5 Diesel
Annual (tors)	Phase 3	Buildines D - G + Rel. Fine Gradine. Bidee Cons	st Hauline	Unmitterated	Offsite	2026 -																			Diesel
Opera	etional Ferinaine	n Detail Summary for Full Buildout																							
Code		Phase Subphase	Emissions Source	Unmitirated /	Location	Year TOG	RC	6 1	VOx.	00	so.	PM10E	PM 100	PM10T	PM2.5E	PM2.SD	PM2.5T	BCO.	NBCD.	CD-T	CHL	N-O		CD-e	
Annual (tors)		C Full Buildout Operat Operations	Mobile to/from Site - Truck	Unmittened	Offsite	2026 -		0.3397	19.8674	9.1757		0.2765	3.1416	3.4181	0.2643	0.8859	1.1502				0.65	10 1.146		21.986.2185	
Annual (tors)		C Full Buildout Operat Operations	Mobile to/from Site - Cars			2026 -		0.2660	0.5649	6.8775		0.0099	0.8497	0.8596	0.0091	0.2133	0.2224				0.05			2,024.2615	
Annual (tors)		C Full Buildout Operat Operations C Full Buildout Operat Operations	Mobile Travel Onsite - Truc Mobile Travel Onsite - Cars			2026 -		0.0126	0.5018	0.2918		0.0028	0.0313	0.0341	0.0027	0.0088	0.0115				0.00			221.9797	
Annual (tors)		C Full Buildout Operat Operations	Mobile Idline Onsite - Truck			2026 -		0.0654	0.7475	1.0635		0.0004	0.0707	0.0025	0.0017	0.0025	0.0004				0.04			155.8478	
Annual (tors)		C Full Buildout Operat Operations	Electricity - Buildings	Unmitinated		2026 -											- 3004		2.889.2003	2.889.2003	0.46			2.917.7690	
Annual (tors)		C Full Buildout Operat Operations	Electricity - Parkins	Unmittenated	Offsite	2026 -													130.2449	130.2449	0.02	11 0.000	· ·	131.5328	
Annual (tors)		C Full Buildout Operat Operations	Natural Gas - Buildings	Unmitigated			341	0.0171	0.3104	0.2607	0.0019	0.0236		0.0236	0.0236		0.0236		335.9563	335.9563	0.03	97 0.000	15 -	336.8883	
Annual (tors)		C Full Buildout Operat Operations	Area Sources - Consumer Pr			2026 -		5.0107																	
Annual (tors) Annual (tors)		C Full Buildout Operat Operations C Full Buildout Operat Operations	Area Sources - Architectural Area Sources - Landscape D			2026 -		0.6912	0.0421	4 9950	0.0003	0.0067		0.0057	0.0089		0.0089		18 6359	18 6359	0.00			18 7033	
Annual (tors)		C Full Buildout Operat Operations	Water	Unemittented		2026 U.		0.044/	0.0421	~.9930	0.0003	0.0007		0.0067	0.3089		0.3089	91 6314	181 1350	774 7954	9.61			18.7031	
Annual (tors)		C Full Buildout Operat Operations	Waste	Unmitinated		2026 -												107.0430	**********	107.0410	10.65			374.5065	
Annual (tors)	Full Buildout	C Full Buildout Operat Operations	Refrigerants	Unmitigated	Onsite	2026 -																	****		
Annual (tors)		C Full Buildout Operat Operations	Yard Equipment	Unmitigated				0.3691	3.5037		0.0069	0.1777		0.1777	0.1635		0.1635		681.5327	681.5327	0.02			683.8716	
Annual (tors)		C Full Buildout Operat Operations C Full Buildout Operat Operations	Emergency Generators	Unmittented				0.0492	0.2086	0.1884	0.0002	0.0144		0.0144	0.0144		0.0144		22.8479	22.8479 22.8479	0.00			22.9243	
Annual (tors) Annual (tors)		C Full Buildout Operat Operations C Full Buildout Operat Operations	Fire Pumps TRUs - onroad travel	Unmitigated		2026 0.		5.5468	5.2917	0.1884	0.0002	0.0144		0.0144	0.0144		0.0144		22.8479	22.8479	0.00			22.9243	
Annual (tors)		C Full Buildout Operat Operations	TRUs - onsite idline	Unmitinated		2026 -		2.1874	21.1666	2.7051		0.5995		0.5995	0.5516		0.5516				0.25			3.737.8250	
Annual (tors)	Full Buildout	C Full Buildout Operat Operations	Onsite truck idling	Unmitigated		2026 -		. "							-						-	-		-	
Americal (terms)	End Buildean	C. Euli Bulldout Onerst. Operations	David Brodway Dot	Unmittented	Offsite	2026 -																			

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Eurobines J. S Related Innovanesses | ris Co Rine-Galdine (1938)
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Builden J. S - Middel Innovanne | in Fig. Mechanical Commission (1904). In Co. Backline Commission (2004). In Co. Backline Commission (2004). In Co. Backline Commission (2003).
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| 72 Armad Samil
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76 Armad Samil
77 Armad Samil | | 2.5 Phase 2
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2.5 Phase 2 | Committees - Buildinas J. B. | Ownstions Ownstions Ownstions Ownstions Ownstions Ownstions Ownstions
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2.5. Phase 2
Phase 2
Phase 2 | Committee - Buildings A. B.
Committee - Buildings A. B. | Operations Consistent Consistent Consistent Consistent Consistent Consistent Consistent
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| 82 Armed Servi
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1.1 Phase I
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Building C + Brisind Instruments C | Comis Fine-Gailles (3339)
 | Official Sociement
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 | 00003 0 | | 0.008179
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0.01000 | | 29.85293277
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1.3 Phase 1
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1.3 Phase 1
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Buildine C + Malaind Instruments C | Jennis Burbline-Centrialism (2003) Jennis Burbline-Centrialism (2004) Jennis Burbline-Centrialism (2004)
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 | 0.0367 0.
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 | 0.00141 0.0
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0.0139 | 0.0010
009 0.0071
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76.3261
86.8887 | 60.5397
75.1361
86.6897
 | 6.0036
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0.0871 | 93.2364
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| 200 Annual Sonsil
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Building C + Brisind Instruments C | James Buddine Cemination (2008)
James Buddine Cemination (2008)
James Buddine Cemination (2008)
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James Patrice (2018)
 | Control Meals Manager Manage | Drawit Seducind Footsteld
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2026 | 0.0229
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66.6331
 | \$1,7715
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| 100 Amual Bensil
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 | Worker
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2.3100
 | 0.0004 0.
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 | 0.00001 0.0 | 0.0000 | | 0.787
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| 111 Annual Born)
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144	Constitución Seriacions Surre		
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154 Debtodores Mai Statill 154 Manual Statill 154 M	Construction Solutions Solutions Solution	AR 2004 AR 2005 AR 2006		Jeneth 2008 Bible Cervol, Padres John Costine All All	Berledens Reune Bill III Cartischien Bill Cartischien	Committee of Millionis and Committee of Millioni	At Oncin + Offici At Oncin + Offici At Oncin + Offici	2024 6.69 2025 1.79 2026 #WHILE	72 86.3062 188 1.5222 1	18,0014 13, 11,4612 16	1.0994 0.0908 1.3859 0.0398	4.8292 11.80 2.8031 2.63	21 16.1680 12 2.6814	1.8670 4.7 0.8098 0.8	633 6.7636 608 6.7635	CO. AM	10.758.4147 4.047.8271	10.708.4367 4.007.8271	0.6033 0.1633	0.3238 0.3239	18014	13.488.5505 4.380.9135
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25 America 12 Parce 25 America 25 Am	Other	Tourne Missand Onder American Comment of Missand Onder Manageria Onder	1025 1,000 1026 1,000 1026	. 0.0004 . 0.0000 5 0.02186 . 0.0225 . 0.0225 . 0.0225 . 0.0226 . 0.0226 . 0.0229 . 0.0229 . 0.0229 . 0.0226 . 0.0266 . 0.0266	0.1125 0.0000 0.0001 0.0012 0.14460 0.0127 0.0127 0.0127 0.0003 0.0003 0.0003 0.000557	0.0037 0.0005 - 0.68486 - 0.2759 0.0427 - 0.59872 0.2264 0.0357	0.0004 - 0.0000 - 0.00007 - 0.00005 - 0.00005 - 0.00005 - 0.000009 - 0.000001	C. 00135 C. 00000 C. 00000 C. 00000 C. 00000 C. 00000 C. 000000 C. 00000 C. 00000 C. 00000 C. 00000 C. 00000 C. 00000 C. 000000 C. 00000 C. 00000 C. 00000 C. 00000 C. 00000 C. 00000 C. 000000 C. 00000 C. 000000 C. 00000 C. 00000 C. 00000 C. 00000 C. 00000 C. 00000 C. 000000 C. 00000 C. 000000 C. 00000 C. 00000 C. 00000 C. 00000 C. 00000 C. 00000 C. 0000	0.0059 0.0009 0.0002 0.0002 0.0002 0.0002 0.0014 0.0014 0.0018	0.0035 0.0003 0.00039 0.00039 0.00032 0.00032 0.00032 0.00032 0.00032 0.00032 0.00032 0.00032 0.00032 0.00033	0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.000000	0.0006 0.0002 0.0002 0.0009 0.0009 0.0009 0.0002 0.00002	0.0022 0.00026 0.00027		38.0749 0.8074 0.8245 99.43504 60.3197 71.1241 86.99999 51.7715 64.6311 6.9752 0.7267	0.8074 0.8265 90.41504 60.3197 75.1241 86.0393 64.0311 E.00752 0.7267 1.6286	0.0035 0.0035 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000	0.0007 0.0003 0.0001 0.0001 0.0001 0.0007 0.0007 0.0007 0.0007 0.0007 0.0007 0.0007 0.0007 0.0007 0.0007	0.0015 0.0010 0.1142 0.0071 0.0072 0.0077	21.5009 38.0005 0.E514 0.E514 0.77628 99.77628 91.77628 17.28822 17.28822 0.77628 0.77628 0.77629 1.7077 2.278.1788 1.1007
15 America 1 5.7 Page 2 Constitute 1 5.7 Page 3 Constitute 1 5.7 Page 3 Constitute 1 5.7 Page 3 Constitute 1 5.7 Page 5 Constitute 1 5.7 Page 6 Constitute 1 5.7 Page 7 Constitute 1 5.7 Page 7 Constitute 1 5.7 Page 6 Constitute 1 5.7 Page 7 Page	Intel C Generations Electricity (pg C Operations Electricity) (pg C Operations Natural Generations Gen	- Budder Ummitigate Offsite - Parking Ummitigate Offsite as - Budde Mitigated Ornsite roses - Core Ummitigate Ornsite roses - Laru Ummitigate Ornsite roses - Laru Ummitigate Ornsite - Ummitigate Offsite - Offsit	1026 1025 1025 1025 1025 1025 1025 1025 1025	0.677515424 0.094073627 E 0.11070228 0.0041 0.0021 0.0022	0.005681731 0.005681731 0.0002 0.0006 0.7247 0.0596	0.574647085 0.574647085 0.5504 0.0502 0.0001 0.00076	45-05	0.00119913 0.0005 - 0.0003 - 0.0002 0.00017		0.00119913	0.000505004 0.0006 0.0000 0.0008 0.0008		0.000906004 	30.3323	935.9894 48.5309 2.537334685 50.4887	935,9694 48,5109 2,517134685 89,8310 34,6770 2,8750 1,4375	0.0514 0.0078 0.000165598 3.1199 3.4658 0.0002 0.0004	2.15964E-05 0.0751 2.15964E-05 0.0751	лачиллач	2.0755 943,2023 44,5003 2.33221017 300,1807 221,1202 1,824,2100 1,1002 226,2100 10,5180
49 Annual (tons) Phase 2 Buildings A, B + R 50 Annual (tons) Phase 2 Buildings A, B + R 51 Annual (tons) Phase 3 Building C + Relat	Sulphase of Grate 12331-1 Al General Control Al General Al Al Genera	nuction Mitirated All Onsit nuction Mitigated All Onsit nuction Mitigated All Onsit nuction Mitirated All Onsit	TOG 1024 0.053 1024 0.012 1024 0.012 1024 0.012 1025 0.055 1025 0.055 1024 0.033 1025 0.055 1025 0.055	0.0471 0.0120 0.9705 - 0.0581 1.0698 2.2092	NOx 0.3463 0.3151 0.0637 0.3350 0.3550 0.3550 1.6201 8.0019 2.3145 1.9609	0.4855 1.2966 1.2340 0.9476 8.4886	SO ₂ 8 0.0046 0.0029 0.0008 0.0022 - 0.0020 0.0010 0.0140 0.0798 0.0156 0.0118	PM10E 8 0.0392 0.0563 0.0081 0.1335 0.1164 0.1155 0.4691 1.8105 0.8888 0.8817	PM10D 0.1545 0.0528 0.0928 0.0923 0.0923 0.0923 0.0534 5.2965 0.7044 0.5809	PM10T 0.2937 0.2937 0.2907 0.2225 0.2927 0.2927 0.1932 7.1070 1.1932 1.4716	PM2.5E 0.0098 0.0024 0.0024 0.0098 0.0083 0.0454 0.2316 0.0532 0.0532	PM2.50 0.1100 0.000 0.1522 0.0224 0.0218 0.0189 0.3322 2.2252 0.1663 0.1441	PM2.ST 0.1108 0.0105 0.1546 0.0300 0.0301 0.0237 0.3775 0.2255 0.1990	5CD ₂	NBCO ₂ 468.2538 297.0366 81.8389 227.837 274.5856 215.4984 8.587.5353 2,096.0733	CO ₃ T 468.2538 297.0366 81.8380 277.2928 274.5856 215.4984 8.581.3745 2,006.0733 1,645.0250	O4, 0.0189 0.018 0.0033 0.0097 0.0096 0.0073	N ₂ O 0.0088 0.0031 0.0007 0.0148 - 0.0147 0.0126	R C 0.0541 0.0552 0.0553 0.7567 - 0.2038 0.1640 6.4976 1.5555 1.2523	500,1196 307,6758 82,7493 307,3966 279,4007 219,6021 9,140,0091 2,132,8798 1,670,3523
B Constituted Craining Symmetry Constituted Craining Symmetry			025 WALUEI 025 0.248 025 0.120 025 0.120 025 0.358 025 2.019	1.7124	6.2837 3.0130 9.2967 50.9408	6.3691 3.0042	0.0001 0.0001 0.0000 0.0007	0.1264 0.0605 0.1870 1.0247	0.5899 1.1592 0.5462 1.7054 9.3446	1.8716 1.2856 0.6059 1.8915 10.3664	0.0519 0.1186 0.0569 0.1756 0.9621	0.3129 0.3129 0.1498 0.4628 2.5336	0.1900 0.4116 0.1059 0.6174 1.4928	56.1859 65.0093 121.1952 664.0835	911.1894 1,046.4961 1,046.4961 1,057.6855 20.727.0419	976.0003 1,115.8179 2.091.8182 11.462.0177	6.1014 6.8750 12.9764 71.1017	1.0255 0.5464 1.5729 8.6130	733.6400 negumen negumen negumen	1,676.3523 9,049.6836 6,531.8636 6,531.8636 15,601.5472 15,467.9298
Cyperations Construction Develop Cyperations Construction Develop Cyperations Construction Develop Cyperations Construction Con	1 3 Car Ons - Cont Al Ons - 8 3 2 Car Ons - Cont Al Ons - 8 3 Car Ons - Cont Al Ons - 8 3 Car Ons - Cont Al Ons - 8 Al Ons - 8 Al Ons - 8 Al Ons - 8	Al Const Militarios d All Onst : Al Const Militarios d All Onst : Al Const Militarios d All Onst : All Const Militarios d All Onst : All Const Militarios d All Onst : 1	0.275 0.272 0.205 0.303 0.225 1.494 0.25 1.661	4.7822 17.3161	5.5540 6.5408 30.4327 35.8387	7.3167	0.0021 0.0016 0.0115 0.0089	0.2220 0.2419 1.2165 1.3253	1.0610 1.2365 5.8135 6.7754	1.2810 1.4754 7.0300 8.1007	0.1074 0.1254 0.5886 0.6873	0.2833 0.3338 1.5522 1.8182	0.3907 0.4573 2.1408 2.5055	46,9498 56,1859 257,2594 307,8679	1.035.9905 1.126.6572 5.676.6502 6,173.6320	1.090.1475 1.191.4987 5.973.4111 6,528.7601	5.1081 6.1087 27.5895 33.4726	0.8716 1.0381 4.7739 5.6884	613.2454 733.8040 ###################################	7.841.6651 9.260.7858 42,960.0321 50,790.6070

188 189 Construct	ction Emissions Detail S	mmary by Phase and Year																				
190 Code		Dhase Subobase	Emissions Source	Unmitirate Location	Year TOD		POS	NOv	co	50-	PM10F	PM100	PM 10T	DM2 SE	PM2.5D	PM2 ST	BCD.	NACO.	CO-T	OI.	N-O	R C
191 Annual (tons)	Share 1	Whole Development Are Site Preparation and Gradina (2024) -			2024	0.0451	0.0851	0.2052	2 5103	0.0043	0.0088		0.0068	0.0088		0.0088		475 3026	475 3026	0.0173	0.0035	
192 Annual (tons)	Phase 1	Whole Development Are Site Preparation and Grading (2024)			2024	0.0431	0.0432	0.2930	2.3200	0.0043	U. DOSSE	0.2339	0.2339	0.000	0.1048	0.1045		40.3.3000	40.3.3020	0.0174	0.0023	
												0.2339	0.2339		0.1048	0.1048						
193 Annual (tons)	Phase_1	Whole Development Are Site Preparation and Gradine (2024) -		Mitigated Ornite	2024																	
194 Annual (tons)	Phase 1	Whole Development Are Site Preparation and Gradine (2024) -		Mitirated Offsite	2024	0.0051	0.0056	0.0050	0.0543		0.0298	0.0117	0.0415	0.0004	0.0027	0.0031		11.2342	11.2342	0.0003	0.0005	0.0226
195 Annual (tons)	Phase 1	Whole Development Are Site Preparation and Grading (2024) -	t Vendor	Mitigated Offsite	2024	0.0006	0.0003	0.0113	0.0043	0.0001	0.0001	0.0021	0.0022	0.0001	0.0006	0.0007		7.3885	7.3885	0.0002	0.0011	0.0084
196 Annual (tons)	Phase 1	Whole Development Are Site Preparation and Grading (2024) -	1. Harden	Mitirated Offsite	2024	0.0018	0.0006	0.0349	0.0118	0.0002	0.0005	0.0068	0.0073	0.0005	0.0019	0.0024		24.3285	24.3285	0.0011	0.0038	0.0231
197																						
198 Armuel (tons)	Share 1	Offsite Improvements Cr. Linear Offsite (2024) - Unmitteated	Off-Road Equipme		2024	0.0404	0.0385	0.3065	1 8506	0.0029	0.0081		0.0061	0.0079		0.0079		279 2570	279 2570	0.0113	0.0023	
	Phase 1				2024	0.0404	0.0383	0.9003	1.0000	0.0029	0.0002			0.0079				278.2370	279.2370	0.0113	0.0023	
199 Annual (tons)		Offsite Improvements Cr Linear Offsite (2024) - Unmitteated		Mitirated Ornite		-				-		0.0348	0.0348		0.0038	0.0038						-
200 Annual (tons)	Phase 1	Offsite Improvements C: Linear Offsite (2024) - Unmitteated		Mitirated Oraite	2024																	
201 Annual (tons)	Phase 1	Offsite Improvements C: Linear Offsite (2024) - Unmitigated	Paving	Mitigated Ornite	2024																	
202 Annual (tons)	Phase 1	Offsite Improvements C: Linear Offsite (2024) - Unmitigated	Architectural Coati	Mitigated Ornite	2024																	
203 Annual (tons)	Phase 1	Offsite Improvements Cr. Linear Offsite (2024) - Unmittested	Worker	Mitirated Offsite	2024	0.0094	0.0086	0.0076	0.0830		0.0482	0.0178	0.0660	0.0006	0.0042	0.0048		17.1515	17.1515	0.0004	0.0007	0.0344
204 Arrayal (tons)	Phase 1	Offsite Improvements C. Linear Offsite (2024) - Unmittented	Vendor	Mittended Offsite	2024	0.0001	0.0000	0.0010	0.0004	0.0000	0.0000	0.0002	0.0002	0.0000	0.0000	0.0001		0.6280	0.6280	0.0000	0.0000	0.0007
205 Annual (tons)	Phase 1	Offsite Improvements C: Linear Offsite (2024) - Unmitterated	Hauling	Mitigated Offsite	2024	0.0001	0.0000	0.0020	0.0004	0.0000	0.0000	0.0002	0.0002	0.0000	0.0000	0.0002		0.0280	0.0280	0.0000	0.0002	0.0007
205 Amusi (sons)	Phase 1	Omste improvements or unear omste (2024) - Unmitigated	reacting	anegaced Omise	2024																	
207 Annual (tons)	Phase 1	Managed Open Space G. Grading & Finish Excavation		Mitigated Ornite	2024	0.0113	0.0107	0.0625	0.4729	0.0008	0.0024		0.0024	0.0023		0.0023		79.2241	79.2241	0.0032	0.0006	
206 Annual (tons)	Phase 1	Managed Open Space O. Grading & Finish Excavation	Dust from Materia	Mitigated Oreite	2024							0.2949	0.2949		0.1515	0.1515		79.2241	79.2241	0.0032	0.0006	
209 Annual (tons)	Phase 1	Managed Open Space O. Grading & Finish Expanation	Omitte truck	Mitirated Ornite	2024													79.2241	79.2241	0.0032	0.0006	
210 Annual (tons)	Phase 1	Managed Open Space O. Grading & Finish Expression	Worker	Mitirated Offsite	2024	0.0014	0.0013	0.0012	0.0126		0.0058	0.0027	0.0085	0.0001	0.0006	0.0007		2.6149	2.5149	0.0001	0.0001	0.0053
210 Amoust (sons)	Phase 1	Managed Open Space C. Grading & Finish Excavation Managed Open Space C. Grading & Einish Excavation	Vendor	Mitigated Offsite	2024	0.0024	0.0013	0.0012	0.0420			0.0027	0.0085	0.3001	0.0000	0.0007		2.0249	2.0249	0.0001	0.0002	2.0033
212 Annual (tons)	Phase 1	Managed Open Space O. Grading & Finish Excavation	Hauline	Mitteated Offsite	2024																	
213																						
214 Annual (tons)	Phase 2	Buildings A, B+ Related I Fine Grading, Bidge Const, Paving, A			2024	0.0336	0.0336	0.2934	0.9534	0.0016	0.0072	0.0001	0.0073	0.0068	0.0001	0.0068	0.5451	141.1267	140.5816	0.0057	0.0011	0.5470
215 Annual (tons)	Phase 2	Buildings A. B.+ Related I. Fine Gradine, Bidge Const. Pavine, Ar	c Dust from Materia	Mitirated Oralte	2024							0.0034	0.0034		0.0004	0.0004						
215 Annual (tons)	Phase 2	Buildings A. B + Related Fine Gradine, Bidge Const. Paying, Ar		Mitirated Omite	2024																	
215 Annual (tons)	Phase 2	Buildings A, B+ Related I Fine Grading, Bidge Const, Paving, Al Buildings A, B+ Related I Fine Grading, Bidge Const, Paving, A		Mitigated Orate	2024		0.0169															
21E Annual (tons)	Phase 2	Buildings A. B + Related I Fine Grading. Bidge Const. Paving. A	c Architectural Coati	Mitirated Onlite	2024		0.8861															
219 Annual (tons)	Phase 2	Buildings A. B+ Related I. Fine Grading. Bidge Const. Paving. A	c Worker	Mitirated Offsite	2024	0.0319	0.0309	0.0273	0.2996		0.1252	0.0644	0.1897	0.0016	0.0151	0.0167		61.9359	61.9359	0.0016	0.0025	0.1244
220 Annual (tons)	Phase 2	Buildings A, S+ Related I Fine Grading, Bidge Const, Paving, A	c Vendor	Mitigated Offsite	2024	0.0063	0.0030	0.1142	0.0436	0.0006	0.0011	0.0209	0.0221	0.0011	0.0058	0.0069		74.7752	74.7752	0.0024	0.0112	0.0853
221 Annual (tons)	Phase 2	Buildings A. B + Related I. Fine Gradine. Bidge Const. Paving. At	r Hardine	Mittended Offsite	2024																	
222 Annual (tons)	Phase 2	Buildings A. B + Related Fine Gradine, Bidge Const. Paying, Ar	- returns		2025																	
223 Annual (tons)	Phase 2	Buildings A. B + Related Fine Gradine, Bidge Const. Paying, Ar			2025																	
						-				-							-					-
224 Annual (tons)	Phase 2	Buildings A. B+ Related I. Fine Grading. Bidge Const. Paving. A		Mitirated Oreite	2025																	
225 Annual (tons)	Phase 2	Buildings A. 5+ Related Fine Grading. Bidge Const. Paying. A		Mitirated Oreite	2025																	
226 Annual (tons)	Phase 2	Buildings A, B+Related I Fine Grading, Bidge Const, Paving, A	c Architectural Coati	Mitirated Ornite	2025																	
227 Arroyal (tons)	Phase 2	Buildings A. B + Related Fine Gradine, Bidge Const. Paying, Ar		Mitigated Offsite	2025																	
227 Armuel (sons)		Buildings A. B+ Related I. Fine Grading. Bidge Const. Paying. At Buildings A. B+ Related I. Fine Grading. Bidge Const. Paying. At		Mitirated Offsite	2025																	
	Phase 2									-							-					
229 Annual (tons)	Phase 2	Buildings A, B+ Related I Fine Grading, Bidge Const, Paving, A	c Hauling	Mitigated Offsite	2025																	
230																						
231 Annual (tons)	Phase 3	Building C + Related Impr. Fine Grading, Bidge Const. Paving, As	c Off-Road Equipme	Mitirated Ornite	2025	0.0285	0.0258	0.1652	0.9113	0.0015	0.0060		0.0060	0.0057		0.0057		137,5099	137.5099	0.0056	0.0011	
232 Annual (tons)	Phase 3	Building C + Related Impr Fine Grading, Bidge Const, Paving, Ar	r Don't from Materia	Mitirated Ornite	2025							0.0059	0.0059		0.0006	0.0006						
233 Annual (tons)	Phase 1	Building C a Balated Impe Sine Gradine Bides Count Daving &		Mitigated Oroite	2025																	
234 Annual (tons)		Building C + Related Impr Fine Grading, Bidge Const. Paving, Al Building C + Related Impr Fine Grading, Bidge Const. Paving, Ar		Mitirated Orate	2025																	
	Phase 3									-							-					
235 Annual (tons)	Phase 3	Building C + Related Impr Fine Grading, Bidge Const, Paving, A	c Architectural Coati	Mitigated Orsite	2025																	
236 Annual (tons)	Phase 3	Building C + Related Impr Fine Grading, Bidge Const. Paving, As	c Worker	Mitirated Offsite	2025	0.0306	0.0297	0.0251	0.2796		0.1093	0.0648	0.1741	0.0014	0.0152	0.0166		61.1271	61.1271	0.0016	0.0025	0.1157
237 Annual (tons)	Phase 3	Building C + Related Impr. Fine Grading, Bidge Const. Paying, As	c Vendor	Mitirated Offsite	2025	0.0059	0.0025	0.1129	0.0431	0.0005	0.0012	0.0216	0.0228	0.0012	0.0060	0.0071		75,9486	75.9486	0.0025	0.0110	0.0880
238 Annual (tons)	Phase 3	Building C + Related Impr Fine Grading, Bidge Const, Paving, Ar	v. Hardine	Mitirated Offsite	2025																	
239 Annual (tons)	Phase 3	Building C + Related Impr Fine Grading, Bidge Const, Paving, A	o Off Band Faviour		2026	0.0229	0.0204	0.1429	0.6750	0.0010	0.0046		0.0046	0.0044		0.0044		96,6844	95.6844	0.0039	0.0008	
240 Annual (tons)	Phase 3	Building C + Related Impr. Fine Grading, Bidge Cont., Paving, Al			2026	0.0229	0.0204	0.2429	0.0730	0.0020	0.0040		0.0040	0.0044		0.0044		30.0344	30.0344	0.0039	0.0000	
										-							-					
241 Annual (tons)	Phase 3	Building C + Related Impr Fine Grading, Bidge Const, Paving, Ar		Mitigated Ornite	2026																	
242 Annual (tons)	Phase 3	Building C + Related Impr Fine Grading, Bidge Const, Paving, A	c Paving	Mitigated Oreite	2026		0.0180															
243 Annual (tons)	Phase 3	Building C + Related Impr. Fine Grading, Bidge Comst. Paying, Ar		Mitirated Oralte	2026		1.0052				-	-										
244 Annual (tons)	Phase 3	Building C + Related Impr. Fine Gradine, Bidge Comt. Paying, Ar		Mitirated Offsite	2026	0.0265	0.0240	0.0204	0.2169		0.1099	0.0586	0.1685	0.0014	0.0137	0.0151		54 1808	54 1808	0.0013	0.0023	0.0953
245 Annual (tons)	Phase 3	Building C + Related Impr Fine Grading, Bidge Const, Paving, A		Mitigated Offsite	2026	0.0051	0.0040	0.0254	0.2303	0.0005	0.0010	0.0382	0.0007	0.0004	0.0257	0.0052		54 5331	64.6331	0.0023	0.0025	0.0527
				megace Office		0.0031	0.0022	0.0933	0.0033	0.0003	0.0010	0.0287	0.0297	0.0020	0.0032	0.0002		04.0331	04.0331	0.0021	0.0093	0.0077
246 Annual (tons)	Phase 3	Building C + Related Impr Fine Grading, Bidge Const. Paving, A	c Hauline	Mitirated Offsite	2026																	
247																						
248																						
249																						
250																						
	ional Emissions Detail Su	means for Eul Buildout																				
252 Operation				Unmitirate Location	Year TOD		ens	NO.	co	so.	PM10F		PMINT	DM2 SF			BCD.	NECO.	CO-T	OI.	N-O	
		Phase Subohase								SU		PM100					BLD.	NOCU-	COH			и с
253 Annual (tons)		Full Buildout Operations Operations		Mitigated Offsite	2026		0.0657	6.3425	2.9794		0.1075	1.3136	1.4211	0.1028	0.3706	0.4734				0.3203	1.3372	
Annual (tons)		f Full Buildout Operations Operations		Not Applica Offsite	2026		0.1130	0.2410	2.9048		0.0042	0.3519	0.3560	0.0038	0.0883	0.0921				0.0253	0.0246	
253 Annual (tons)	Full Buildo	Full Buildout Operations Operations	Mobile Travel Ons	Mitirated Ornite	2026		0.0023	0.1849	0.0604		0.0008	0.0098	0.0106	0.0008	0.0028	0.0035				0.0028	0.0104	
253 Annual (tons)		Full Buildout Operations Operations		Not Applica Omite	2026		0.0850	0.0816	0.9422		0.0008	0.0301	0.0309	0.0007	0.0020	0.0017				0.0182	0.0291	
Armuel (tons)		Full Buildout Constitutes Constitutes		Mitirated Ornite	2026		0.0035	0.0445	0.0625		0.0000	2.0001	0.0000	0.0007	2.0020	0.0027				0.0041	0.0015	
							3.0038	3.0445	0.0025		0.0000		0.0000	0.0000		0.0000						
254 Annual (tons)		Full Buildout Operations Operations		Unmitteate Offsite	2026													1.744.9012	1.744.9032	0.2823	0.0342	
255 Annual (tons)		Full Buildout Operations Operations		Unmitteate Offsite	2026													93.9720	93.9720	0.0152	0.0018	
256 Annual (tons)	Full Buildo	Full Buildout Operations Operations	Natural Gas - Build	Mitigated Oreite	2026																	
257 Annual (tons)		Full Buildout Operations Operations		Unmitteate Ornite	2026		2.0850															
258 Annual (tons)		Full Buildout Operations Operations		Unmitteate Ornite	2026		0.2920															
259 Annual (tons)		Full Buildout Operations Operations		Unmitigate Orsite	2026	0.3686	0.3402	0.0175	2.0731	0.0001	0.0037		0.0037	0.0028		0.0028		7.7349	7.7349	0.0003	0.0001	
260 Annual (tons)	Full Buildo	Full Buildout Operations Operations	Water	Unmitteate Offsite	2026												56.5477	111.0753	167.6230	5.8163	0.1399	
261 Annual (tons)	Doll Builds	Full Buildout Operations Operations	Waste	Unmitteate Offsite	2026												64,6475		64.6475	6.4613		
262 Annual (tons)		Full Buildout Operations Operations		Unmitteate Omite	2026												ww. w4/3		U1.04/5	0.4013		********
							-		-		-	-			-					-	-	
263 Annual (tons)		Full Buildout Operations Operations		Mitirated Oreite	2026																	
	Full Buildo	Full Buildout Operations Operations	Emergency General	Mitirated Oreite	2026		0.0123	0.0036	0.0311		0.0018		0.0012	0.0018		0.0012			8.6250	0.0012		
264 Annual (tons)		Full Buildout Operations Operations		Mitirated Ornite	2026		0.0062	0.0018	0.0155		0.0009	-	0.0006	0.0009		0.0006			4.3125	0.0006		
							2 1022	2 1963											4.445			
265 Annual (tons)																						
265 Annual (tons) 266 Annual (tons)	Full Buildo	Full Buildout Operations Operations	TRUs - preroad trav		2026				0.2807		0.0622		0.0622	0.0572		0.0572				0.0263	0.0120	
265 Annual (tons)	Full Buildo	# Full Buildout Operations Operations # Full Buildout Operations Operations		Unmitteate Offsite Mitirated Onsite	2026 2026		0.1919	2.1963 0.1830	0.2807		0.0622		0.0622	0.0572		0.0572				0.0263	0.0120	

		Start Date	End Date
Construction Days 2	262	1/1/2024	12/31/2024
Construction Days 2	129	1/1/2025	6/30/2025
Construction Days 2 -			-
Operational days pe	365	NA .	NA.
Operational Days in	305	3/1/2025	12/31/2025
Pounds per ton	2000	NA .	NA.

Suisun City Highway 12 Logistics Center Inputs and Assumptions for Operation

Operational Phasing				
	Earliest Operational Year	Buildings Included	Building Square Footage	% of Total Square Footage
Phase 1	2025	A, B/C	862,794	0.67604528
Phase 2	2026	D.E.F.G	413.443	0.32395472
1,275 total employees		Total square footage:	1,276,237	1
		Total thousand-square ftt:	1276.237	
Operational Schedule Phasing				_
Operational Phase	Phase	% of Operations	Operations Start	
Initial Operations	Buildings A, B/C	68%	1-Aug-25	
Full Buildout	Whole Development	100%	1-Jun-26	
				-
Emissions Source:				
Building Operations	Use CalEEMod Defaults? (Y/N)	If no, indicate assumption:		
Mobile	Use Fehr & Peers info - see notes below.			
Water Use	Y			
Bectricity	Y			
		Mitigation to omit Natural Gas (increase in		
Natural Gas	Y	electricity)		
		Tier 2, one per building, 50 hp each. Assume up to		
		4 hours in a single day for testing (consistent with		
		Suisun Logistics Center Project) and up to 100		
		hours per year (consistent with updated BAAQMD		
		CEQA Guidance recommendations 1. Default		
Stationary Sources (i.e., backup generators and fire pump)	l v	CalEEMod ho and load factor.	4	
Waste Generation	Y			
		See forklift details below. Assumed 100% of trucks		

Adabile former forbetons		

Mobile Source Emissions:				
	Daily Trip Rate Full Buildout (one-way trips per ksfl	One-way Trip distance (miles)	Source	Mitigated details:
Os-sila secilar trips	1.998061	7.1	This analysis does NOT use the IE risp rate that would a summe 62.5% of trips; are employee trips for a total of 1,500 daily employee trip. The sum of the sum of the sum of the sum of the the analysis uses a slightly-more conservation a climate based on the Economic impact Analysis estimate of FII.275 employee. The analysis uses a slightly-more conservation or the Economic impact Analysis estimate of FII.275 employee. Generally extends the sum of FII.	Reduced average trip distance by 11.7% with implementation of TDM +12.6 dailyrd per employee or 6.1 miles per one-way trapper EM Desequentation analysis.
Vidition to the final Ex., worker of delivery tracks servined as event operational	0.588250	52.0	No FEE and use of FEE to prize, 2.0 Set of the least distily rise, and set of the consideration of the considerati	

[01a] 2.586311 17.91700358

hata for Truck Travel Distance:						
Assumed Starting Port	Estimated Trip Distance (miles)		Throughput			
Oakland	46	1907988 Full TEUs Handled in 2021	1907988*24 metric tons/TEU = 45.791.712 MT in 2021	45.791.712	https://www.oaklandseaport.com/performance/facts-figures/	
Stockton	56	4.9 million MT cargo in 2021		4,900,000	https://www.portofstockton.com/port-facts-figures/	
Average	51					
Weighted average trip distance	47					

Real DMA Viscositions*:

Data to form Rear DMA Project under the DEE Alternative Fusis Data Center incidens a warrage annual vehicle miles traveled by region vehicle category. This includes a "delivery poss" calling you with an awarage of \$2 daily YMT. The cita also has a data composite form specific filters can be applied to dentify more focused data: if selecting only for the "occasions" of warrantones delivery, parcel delivery, and local and additivery filts it below). The average daily travel distances is 40 miles. Therefore, using a single one-way distance for all trucks, whether coming from the ports or delivering to end users, is appropriate. Used \$22 as the higher of the trip distances identified.

ttps://afdc.energy.gov/vehicle-applications/delivery-service

10	
- 12	Grocery Delive Part Graycer
- 12	Server Plane
	Local Delivery

Energy Consumption:						
	Bidgs A, B/C - CalEEMod Defaults		Bidgs D - G - CalEEMod Defaults		Full Buildout - CalEEMod Defaults	
Land Use Subtype	Total Electricity (kWh/year)	Natural Gas (kBTU/year)	Total Electricity (kWh/year)	Natural Gas (kBTU/year)	Total Electricity (kWh/year)	Natural Gas (kBTU/year)
Refrigerated Warehouse-No Rail	21,110,249.84	4280470.8	10115872.08	2051160.11	31,226,121.92	6,331,630.91
Parking Lot	883370.66	0	524298.61	0	1,407,669.27	-

Sulsun City Highway 12 Logistics Center Inputs and Assumptions for Construction
Associst & Assumptions Inform Criteria Air Polisionst and Greenhouse Gas Emissions Estimates

Design of Characteristics		Notes
Promot Characteristics	Inout	NOSES
Location:	County: Solano-San Francisco	CalEEMod
Windspred	2.2	CalEEMod Default
CEC Forecasting Climate Zone	4	
	Phase 1 - 2025	
Operational Year	Phase 2 - 2026	

roject Description Table 1. Highway 12 Logistics Center Project Site Planning Areas "NOTE THAT PO WILL NOT REFLECT PLANNING AREAS, ONLY PROPOSED BUILDINGS AND SUPPORTING INFRASTRUCTURE							
Planning Area	Acreage	Associated Buildings		Stormwater Acreage (page 28 of 235 of the Drainage Master Plan 21 0409 Reduced pdf)	Stormwater (sq. ft)		
1	69.55	A, B/C, D, E	1,260,894	2.10	91,476		
2	13.14	,	169.606	0.64	27.879		
3	10.71	G	176.362	1.58	68.825		
All Subareas	93.4	Athrough G	1,606,862.00	4.32	188,180		

roject Description Table 2. Highway 12 Logistics Center Project Proposed Buildings								
Proposed Buildings	Building Square Footage		Landscaped Area (sq. ft.) "See Preliminary Landscape Plan LP1 of Gentry_DR SUBMITIAL_12 17-2020.pdf				Phase % of Total Building Square Footage	
A	152.305	416	68540	1.573455598	1	1.008.264.00		
8/C	710,489	771	305531	7.013998574	1	.,,		
Phase 1 Subtotal	862.794.00	1.187.00	374.071.00	8.59		1.008.264.00	68%	
D	56.880	183	54372	1.248204374	2	252.630		
ε	56,880	197	54004	1.23975629	2	,		
*	172.380	269	159025	3.650697059	2	169.606		
G	127.303	188	128924	2.959675948	2	176362		
Phase 2 Subtotal	413,443.00	837.00	396,325.00	2.10		598,598.00	32%	
All Proposed Buildings	1.276.237	2.024	770.396	17.68578784		1.606.862	100%	
	29.29825287 64.10174713					1		

Convenion Factors	
acre	square feet

Roadways		length (LF)	width (ft)	acreage	Data Source
	LOS Recommended				
	Improvement 1: Install a 390-				
	foot northbound right turn lane.	390	20	0.18	F&P LOS Study. Not for reduced footprint alternative
	LOS Recommended				
	Improvement 3: Install a second				
	eastbound left turn lane of about				
	220 feet. (Within existing median	220	20	0.10	F&P LOS Study. Not for reduced footprint alternative
	Assume roadway work along all				
	of Penn Ave and Cordella Ave				70 ft back of curb to back of curb. Length measured
	between Planning Areas 1 2 and	3790	70		via Google Earth.
	Subtotal Roadway Improvements		l-	6.37	
Utilities					
					Length measured via Google Earth. Assume 10 foot
					disturbance area. Water line to run 350 north and
					300 feet south along Pennsylvania Ave and Cordelia
			l	l	Ave, respectively, but not added b/c this is
			I	l	accounted for in roadway improvement acreage
	Water Supply	2944	5	0.34	already.
					Sewer Master Plan lists as 2,700 feet. Used
					conservative estimate based on Google Earth
	Sewer Extension	1661		0.42	measurements.

Total miles of Linear Offiste Improvements	1.97					
Construction Acresses/Square Footage by Pha-		Call EMod Land Use	Footprint Acreane	Buildine/Area Square Footage	Landscaped Area (*No Special Landscape Areas, per LP1)	Data Source / Notes
Phase 1 - Pre-Construction Off-Site	Off-site roadway and utility trend	Other Asphalt Surfaces	7.13	NA.	0	Input for CalCEMod whole site Pre-Construction Phase as 29.29 acres of industrial + remainded of 93.4 acres as Parkine Lot (64.1 acres) + 0.59 Linea
Phase 1 - Pre-Construction On-Site*	Whole Development Area Gradin	Other Asphalt Surfaces	93.40	NA .	-	Feet Road Widening for offsite roadway and utility improvements.
Phase 2 Buildings and Infrastructure	Buildings A, B/C	Refrigerated Warehouse	28.39	862,794	374,071	Building square footage reflects Gentry Application Submittal and data in EIR PD.
Phase 2 Buildings and Infrastructure	Phase 1 Parking & Circulation	Parking Lot	23.15	1.008.264		Parking square footage set equal to the paved area provided by Edwin Yu for Phase 1 (email 2/25/2022)
Phase 2 Buildings and Infrastructure	Phase 1 Stormwater Basin(s)	User Defined Recreation	2.10	92,476.37		Stomwater Improvements square footage estimated as % of stomwater improvements equal to % of buildout in Phase 1.
Phase 2 Buildings and Infrastructure	Other hardscape	Other Non-Asphalt Surfaces	3.52			
Phase 3 Buildings and Infrastructure	Buildings D, E, F, G	Refrigerated Warehouse	18.59	413,443	396,325	Building square footage reflects Gentry Application Submittal and data in EIR PD.
Phase 3 Buildings and Infrastructure	Phase 2 Parking & Circulation	Parkine Lot	13.74	598.598		Parking square footage set equal to the paved area provided by Edwin Yu for Phase 2 (email 2/25/2022)
Phase 3 Buildings and Infrastructure	Dhase 7 Strementer Basinis	User Defined Serneation	2.22	96.701.20		Stormwater Improvements square footage estimated as % of stormwater improvements ensual to % of buildout in Phase 2
Phase 3 Buildings and Infrastructure	Other hardscape	Other Non-Asphalt Surfaces	1.69	33,0000		

Phase:	Start Date	Duration (months)	End Date		Days of Construction
				Assume off-site and on-site pre-construction work	
	1-Jan-24	9	29-Sep-24	overlaps. Used CalEEMod Auto-Scheduler for	
Phase 1 Pre-Construction Off Site				phases, based on total construction duration.	194.25
	1-Jan-24	9		Default duration for grading in CalCEMod is 7 months	
				Assuming site prep and grading can overlap, but Site	
Phase 1 Pre-Constroution On Site*				Prep has a 2-month lead.	195.00
Phase 2 Suldine + Other Improvements	1-Oct-24	10	31-lui-25		216.43
	1-Aug-25		31-May-25		716.41

Phase 1 Offsite Interovement Context scions Schedule

Exclusif Submids based on 0
Exclusif Submids based on 0
Except Touches on Context Submids based on 0
Except Touches on Context Submids based on 0
Except Touches On 0
Except Touch

Phase 1 Onsite PreConstruction Schedule				
Phase*	Start Date	End Date	Days	Notes
Site Prep	1/1/2024	3/22/2024		Start Jan 1, 2024. Duration is CaltEMod default.
				Applied CalEEM od duration and adjusted start date
Grading	2/27/2024	9/30/2024	155	so that end date would be at 9 months.
Total Days			195	Total of 9 month Phase 1 construction.
"See below for Managed Open Space Construction	n Details			

Site Prep	

Phase 2 Building Contruction Schedule						
Phase	CalEEMod Default Phase Duratio	% of Construction Duration	Adjusted Phase Duration (work	Adjusted Schedule % oF Construction Duration	Start Date (Adjusted CalEEMod)	
Fine Gradine	110	E%	17	2%	10/1/2024	10/23/2024
Building Construction	1110	81%	174	82%	30/34/2024	6/24/2025
Paving	2	5%	12	5%	6/25/2025	7/10/2025
Arch Coating	75	5%	12	5%	7/11/2025	7/28/2025
Total Days	1370	100%	215	100%		
*Adjusted construction schedule to include fine gr	ading (grading default in CalCEMod), Bldg Const, Paving, and Arch Coatnig	215	100%		

Phase 3 Building Contruction Schedule						
Phase	CalEEMod Default Phase Duratio	% of Construction Duration	Adjusted Phase Duration (work	Adjusted Schedule % oF Construction Duration	Start Date (Adjusted CalEEMod)	End Date (Adjusted CalEEMod)
Fine Grading	75	8%	17	8%	8/1/2025	8/25/2025
Building Construction	740	80%	172	80%	8/26/2025	4/22/2026
Pavine	55	6%	11	6%	4/21/2026	5/11/2026
Arch Coating	55	6%	13	6%	5/12/2026	5/28/2026
Total Days	925	100%	215	100%		

Material Import / Export, Will occur during pre-o	onstruction phase for on-site work	
		Units (CY. Tons)
Import	10,770	2
Deport	0	2

Construction Trios and VMT

Added 4 vendor trips (two trucks, two one-way trips each) for grading phases for water truck.

Travel on Unpaved Roadways:
Assume travel to/from the site will be 100% on powed roadways.

Measured One-Sease Construction
Based on Section 6 Attachment: To the Huffman-Broadway Group Biological Resources Report: Preliminary Mitigation and Monitoring Plan (for the Highway 12 Lightics Center, Solono County, California) (August 2022)

Cut and Fill:					
Excavated Area (sq ft)	Excavated Area (acres)	Depth of Excavation	Cut Volume (cubic yards)	Fill Disposed of On Site (cubic yards) (within Developm	ent Area)
1655367.12	38.00184799	12 to 48 inches	84051.3	84051.3	*Balanced Site

Equipment	
Rough Grading	Rubber-tired backhoe
	Front-end loader
	Rubber-tired Dump Truck
Finish Excavation	Rubber-tired backhoe
	Front-end loader
	Rubber-tired Dump Truck
Planting	No heavy-duty equipment

Schedule:	May 15 - Oct 15	Total of 45 days within this window.

Highway 12 Logistics Center Inputs and Assumptions for Operations

Operational Phasing				
	Earliest Operational Year	Buildings Included	Building Square Footage	% of Total Square Footage
Phase 1	2025	A, B	357,328	0.674575426
Phase 2	2026	c	172,380	0.325424574
528 total employees		Total square factage:	529,708	1
		Total thousand-square ftt:	529.708	
Operational Schedule Phasing				
Operational Phase	Phase	% of Operations	Operations Start	ì
	Buildings A, B	67%	1-Aug-25	

Emissions Source:		
Building Operations	Use CalEEMod Defaults? (Y/N)	If no, indicate assumption:
Mobile	Use Fehr & Peers info - see notes below.	
Water Use	Y	
Electricity	Y	
Natural Gas	Y	Mitigation to omit Natural Gas (increase in electricity)
Stationary Sources (i. e., backup generators and fire pump)	v	up to 4 hours in a single day for testing (consistent with Suisun Logistics Center Project) and up to 100 hours per year (consistent with updated BAAQMD CEQA Guidance recommendations). De fault CaleEbAd they and load factor.
Waste Generation	Y	
Off-road Operational Equipment	Add Forklifts and TRUs for trucks.	See forklift details below. Assumed 100% of trucks woutl require TRU
On-site solar?	mitigation	

Mobile Source Emissions: D.	Daily Trip Rate Full Buildout (one-way trips per	One-way Trip distance (miles)	Source	Mitieated details:
1. On all to worker trifes	.90351	7.1	employees. Assuming each employee makes 2 one way trips per work day. Employee trip distance refloits that established by the VMT analysis contained within the ER Transportation section. 14.2 miles today per employe per day = 7.1 miles per one- way trip.	Reduced working trip distance by 11.7% with implementations (TSM-11.6 daily MMI) per one ways for the St. Scaley MMI per copingwe or St. Indias per one ways for the St. Stemperation analysis).
0.	1.588250	52.0	Par F&P and use of ITE ting case, 2.5 % of the total sixly trips would be truck trips. ITE for parts is 1.8 tings, fx=7,230 daily trips; 3.25 % of 2,310 -731. Oddily trips; 3.25 %	

Data for Truck Travel Distance:						
Assumed Starting Port	Estimated Trip Distance (miles)	Throughput				
Oakland	46	1907988 Full TEUs Handled in 2021	1907988*24 metric tons/TEU = 45,791,712 MT in 2021	45,791,712	https://www.oaklandseaport.com/performance/facts-figures/	
Stockton	56	4.9 million MT cargo in 2021		4,900,000	https://www.portofstockton.com/port-facts-ligures/	
Average	51					
Weighted average trip distance	47	1				

Integrated average trig distance

47

Data Som Theat DIAK Project under the Old Atternative Facility Data Center includes a warage annual vehicle militis traveried by major vehicle category. This includes a "delivery truck" category with an average of 12 daily Will. The old a lob has a data composite from specific filters can be applied to dentify more focused data; if selecting only for the "occions" of warshoose delivery, parcel allowery, and local advisory flat as below, the average daily towel distances is dentify, one of control of the "occions" of warshoose delivery, and local advisory flat as below, the average daily towel distances is dentify, one of control of the "occions" of warshoose delivery, and local advisory flat as below, the average daily towel distances is dentify, one of control of the "occions" of warshoose delivery, and local advisory flat as below, the average daily towel distances is dentify, one of control of the "occions" of warshoose delivery, and local advisory flat as below, the average daily towel distances is dentify, one of control of the "occions" of warshoose delivery, and local advisory flat as below, the average daily towel distances is dentify, one of control of the "occions" of warshoose delivery, and local advisory flat as below, the average daily towel distances is dentify, one of control of the "occions" of warshoose delivery, and local advisory flat as below, the average daily towel distances is dentify, one of the "occions" of warshoose delivery, and local advisory flat as below, the average daily towel distances is dentify one of the "occions" of warshoose delivery, and local advisory flat as below, the average daily towel distances is dentify one of the occions of warshoose delivery, and local advisory flat as below. The average daily towel distances is dentified to the "occions" of warshoose daily of the "occions" of warshoo



Project Characteristics	Input	Notes
	County: Solano-San	
Location:	Francisco	CalEEMod
Windspeed	2	.2 CalEEMod Default
CEC Forecasting Climate Zone		4
	Phase 1 - 2025	
Operational Year	Phase 2 - 2026	
Land Use Setting	Suburban	CalEEMod Default

Project Description Table 1. Highway 12 Log	istics Center Project Site	Planning Areas *NOTE THA	T PD WILL NOT REFLECT PI	ANNING AREAS, ONLY PROPOSED BUILDINGS A	ND SUPPORTING INFRASTRUCT
Planning Area	Acreage	Associated Buildings	Paved Area (sq ft)	Stormwater Acreage (page 28 of 220 of the Drainage Master Plan_21.1109 (Reduced footprint alti.pdf)	Stormwater (sq. ft)
1	38.69	A, B	701,423	1.14	49,653
2	13.14	С	169,606	0.44	19,365
3	0	-			
All Subareas	51.83	A through C	871,029.28	1.58	69,018
		Total paved acres:	20.00		

Project Description Table 2	Highway 12 Logistics Center	Project Proposed Buildings

	Building Square Footage	Parking Stalls	Landscaped Area (sq. ft.) *See Preliminary Landscape Plan LP1 of Gentry_DR SUBMITTAL_12- 17-2020.pdf				Phase % of Total Building Square Footage
A	170,120	546	176,160.62	4.044075185	1	560.887.62	
В	187,208	282	193,855.38	4.450289368	1		
Phase 1 Subtotal	357,328.00	828	370,016.00	8.49	-	560,887.62	67%
-	0	0		0	-		
-	0	0	0	0	-		
F	172,380	269	159025	3.650697059	2	169,606	
	0	0	0	0	-	0	
Phase 2 Subtotal	172,380.00	269	159,025.00	3.65	-	169,606.00	33%
All Proposed Buildings	529,708	2,024	529,041	12.14506161		730,494	100%
Acreage:	12.16037376 39.66962624		*Total landscaping, page 166 o	f 220 Drainage Master Plan_22.1109 (reduced footprint	t alt).pdf		

Roadways	length (LF)	width (ft)	acreage	Data Source
LOS Recommended Improvement 1:				
Install a 390-foot northbound right				
turn lane.	0	0	0.00	F&P LOS Study. Not for reduced footprint alternative
LOS Recommended Improvement 3:				
Install a second eastbound left turn				
lane of about 220 feet. (Within				F&P LOS Study. For reduced footprint alternative
existing median of SR 12)	220	20	0.10	cumulative conditions.
Assume roadway work along all of				
Penn Ave and Cordelia Ave between				Only street frontage improvements on west side of
Planning Areas 1. 2. and 3:				Pensylvania Ave and north side of Cordelia Road.
	3790	20		Length measured via Google Earth.
Subtotal Roadway Improvements	-	-	1.84	
Utilities				
				Length measured via Google Earth. Assume 10 foot
				disturbance area. Water line to run 350 north and
				300 feet south along Pennsylvania Ave and Cordelia
				Ave, respectively, but not added b/c this is accounted
Water Supply	2944	5	0.34	for in roadway improvement acreage already.
				Sewer Master Plan lists as 2,700 feet. Used
				conservative estimate based on Google Earth
Sewer Extension	3663	5	0.42	measurements.

Total linear feet and acreage of Offsite Improven
Total SqR of Linear Offsite Improvements Total miles of Linear Offsite Improvements 1.97

Construction Acreages/Square Footage by Phas	ie 2.37					
Phase	Proposed Improvements	CalEEMod Land Use	Footprint Acreage	Building/Area Square Footage	Landscaped Area (*No Special Landscape Areas, per LP1)	Data Source / Notes
Phase 1 - Pre-Construction Off-Site	Off-site roadway and utility	Other Asphalt Surfaces	2.60	NA .	0	Input for CalEEMod whole site Pre-Construction Phase as 29.29 acres of industrial + remainder of 93.4 acres as Parking Lot (64.1 acres) + 0.59 Linear
Phase 1 - Pre-Construction On-Site*	Whole Development Area (Other Asphalt Surfaces	51.83	NA	-	Feet Road Widening for offsite roadway and utility improvements.
Phase 2 Buildings and Infrastructure	Buildings A, B	Refrigerated Warehouse	16.70	357,328	370,016	Building square footage reflects Gentry Application Submittal and data in EIR PD.
Phase 2 Buildings and Infrastructure	Phase 1 Parking & Circulati	Parking Lot	12.88	560,888		Parking square footage set equal to the paved area provided by Edwin Yu for Phase 1 (email 2/25/2022)
Phase 2 Buildings and Infrastructure	Phase 1 Stormwater Basini	User Defined Recreation	1.14	49 653 00		Stormwater Improvements square footage estimated as % of stormwater improvements equal to % of buildout in Phase 1
Phase 2 Buildings and Infrastructure	Other hardscape	Other Non-Asphalt Surfaces	6.19	43,033.00		to a balladat iii i iibat 1.
Phase 3 Buildings and Infrastructure	Buildings C	Refrigerated Warehouse	7.61	172,380	159,025	Building square footage reflects Gentry Application Submittal and data in EIR PD.
Phase 3 Buildings and Infrastructure	Phase 2 Parking & Circulati	Parking Lot	3.89	169,606		Parking square footage set equal to the paved area provided by Edwin Yu for Phase 2 (email 2/25/2022)
Phase 3 Buildings and Infrastructure	Phase 2 Stormwater Basin(User Defined Recreation	0.44	19,364.92		Stormwater Improvements square footage estimated as % of stormwater improvements equal to % of buildout in Phase 2.
Phase 3 Buildings and Infrastructure	Other hardscape	Other Non-Asphalt Surfaces	2.98			
Total Check:			51.92			

Construction Schedule Phasing					
Phase:	Start Date	Duration (months)	End Date	Notes	Days of Construction
				Assume off-site and on-site pre-construction work	
	1-Jan-24	6	30-Jun-24	overlaps. Used CalEEMod Auto-Scheduler for phases,	
Phase 1 Pre-Construction Off Site				based on total construction duration.	129.29
Phase 1 Pre-Construction On Site*	1-Jan-24	6		Default duration for grading in CalEEMod is 7 months Assuming site prep and grading can overlap, but Site Prep has a 2-month lead.	129.29
Phase 2 Building A & B + Other Improvements	1-Jul-24	6	29-Dec-24		129.29
Phase 3 Building C + Other Improvements	30-Dec-24	6	30-Jun-25		130.00
Total Construction Days	390.00				388.57

Total Construction Days 390.00
2025 Construction Days: 128.57
*See below for Managed Open Space Construction Details

Phase 1 Offsite Improvements Construction Schedule

Default schedule based on

Smooth Phase 1 or Cantifornia or

Phase 1 Onsite PreConstruction Schedule				
Phase*	Start Date	End Date	Days	Notes
Site Prep	1/1/2024	2/23/2024	40	Start Jan 1, 2024. Duration is CalEEMod default.
				Applied CalEEMod duration and adjusted start date so
Grading	1/29/2024	6/28/2024	110	that end date would be at 9 months.
Total Days			130	Total of 6 month Phase 1 construction.
#C b-/- C 14 (C C C	0-1-7-			

Calletimod Default Durations for	Calle Mod Default Durations for Phase 1 on-site work:					
Phase	Days					
Site Prep	40					
Grading	110					
Total Days	150					

Phase 2 Building Contruction Schedule							_
Phase	CalEEMod Default Phase D	% of Construction Duration	Adjusted Phase Duration (work	Adjusted Schedule % oF Construction Duration	Start Date (Adjusted CalEEMod)	End Date (Adjusted CalEEMod)	
Fine Grading	75	8%	10	8%	7/1/2024	7/12/2024	
Building Construction	740	80%	103	80%	7/13/2024	12/4/2024	
Paving	55	6%	8	6%	12/5/2024	12/17/2024	*rounded up to 9
Arch Coating	55	6%	8	6%	12/18/2024	12/30/2024	*rounded up to 9
Total Days	925	100%	129	100%			i
*Adjusted construction schedule to include fine gr	ading (grading default in Call	EMod), Bldg Const, Paving,	129	100%			•

	 Controction	

Phase	CalEEMod Default Phase Di	% of Construction Duration	Adjusted Phase Duration (work	Adjusted Schedule % oF Construction Duration	Start Date (Adjusted CalEEMod)	End Date (Adjusted CalEEMod)
Fine Grading	30	8%	10	8	6 1/1/2025	1/14/2025
Building Construction	300	81%	105	81	1/15/2025	6/10/2025
Paving	20	5%	7	5	6/11/2025	5/11/2026
Arch Coating	20	5%	7	5	6 5/12/2026	5/28/2026
Total Days	370	100%	129	100	6	

Construction & Operations Schedule

Construction & Operations Schedule					
Construction Sub-Phase and Operations Initiation by Phase	Start	Duration	End	Days per Week	Notes
(Roadway and Utility)	1-Jan-24	6 months	30-Jun-24	5	Reflects same duration as on-site work. Used CalEEMod Auto- Scheduler for phases, based on total construction duration.
Phase 1 On-Site Pre-construction Grading, Site Preparation and Utility Trenching *See below for Managed Open Space Construction Details	1-Jan-24	6 months	30-Jun-24	5	Assumes Site Preparation and Grading overlap, with a 1-month lead for Site Preparation.
On-Site Phase 2 Building Construction (Bldgs A, B) + Other Improvements	1-Jul-24	6 months	31-Dec-24	s	Includes Phase 1 of Buildings, plus related percentage of parking, on- site circulation, stormwater improvements, and other hardscape and landscape areas.
Initial Operations of Buildings A, B	1-Mar-25	NA.	NA .	7	Assumes building occupancy could occur as soon as 3 months after construction is complete. Will model mobile-source emissions based on the percentage of built space that is complete.
On-Site Phase 3 Building Construction (Bldg C)+ Other Improvements	1-Jan-25	6 months	30-Jun-25	s	Includes Phase 1 of Buildings, plus related percentage of parking, on- site circulation, stormwater improvements, and other hardscape and landscape areas.
Full Buildout Operations of Whole Development Area	1-Oct-25	NA.	NA.	7	Assumes remaining building occupancy could occur as soon as 3 months after construction is complete. Will model mobile-source emissions of total traffic generation estimates for Proposed Project beginning in the year 2025
	1	1		l .	ı

- Will model the above as 4 sporate CallEbled rus:

 1. Office improvements and Covide per-construction for entire project site.

 2. Managed Grops Project Construction

 3. On-site Phaze 1 Buildings and Related improvements floatings, stormwater, other) + Ops

 4. On-site Phaze 2 Buildings and Related improvements floatings are desired improvements floating and construction and stormwater, other) + Ops

 *Assume powing starts as soon as possible to minimize on-site flugitive dust. Assume overlop of powing with building construction and, separately, of architectural coating phase with building construction.

Off-road Equipment
For Phase 2 and 3, Removed excavator and dozer from grading, as this is the fine grading phase - site prep and rough grading is planned for the whole development area as Phase 1 prior to this phase.

Material Import / Export. Will occur during pre-construction phase for on-site work.

		Units (CY, Tons,)
Import	5,977	CY
Export	0	CY

Construction Trips and VMT Added 4 vendor trips (two trucks, two one-way trips each) for grading phases for water truck.

Travel on Unpaved Roadways:
Assume travel to/from the site will be 100% on paved roadways.

Construction related Miligation Actions for Consideration:
Miligation
Note

Complies with BAACMOD BMPs for construction, Quantified as 74% PM10 and PM2.5 reduction per CalEEMod Defaults.

Reduce whicks greed on unpawed roadways to 15 Note that this is only applicable if we identify a protion of trips occurring on unpawed roadways.

Use of electric equipment, where feasible.

Use of electric equipment districts are feasible.

Use of electric equipment districts are feasible.

Use of electric equipment districts are feasible.

Use of electric equ

Managed Open Space Construction

Based on Section 6 Attachment 7 to the Huffman-Broadway Group Biological Resources Report: Preliminary Mitigation and Monitoring Plan [for the Highway 12 Logistics Center, Solano County, California] [August 2022]

Cut and Fill:				
Excavated Area (sq ft)	Excavated Area (acres)	Depth of Excavation	Cut Volume (cubic yards)	Fill Disposed of On Site (cubic yards) (wihtin Development Area)
1655367.12	29 00194700	12 to 48 inches	84051.3	9/051 2 *Balanced Site

Equipment	
Rough Grading	Rubber-tired backhoe
	Front-end loader
	Rubber-tired Dump Truck
Finish Excavation	Rubber-tired backhoe
	Front-end loader
	Rubber-tired Dump Truck
Planting	No heavy-duty equipment

Schedule: May 15 - Oct 15 Total of 45 days within th	is window.

Cyrodianal On road Mittle Entraines								
On the latting			Emissions (Ib/day)				Entraines from	Nyew, COSe in marios (ann/yew)
Phase Armare Sound Year are Day To Down per day	ann 80.	PM PM	PM PM PM	PM co corr	CM 800	and 80. Million	PM PM PM	PML PML CO COST CM NO COST
Photo 1 (86 A 870) 256 628 624 624	0.266 2.825		1001 1000 10	D 500 400 514.70		0.043 0.314 0.7	000 0.000 0.000 1.000	0.000 0.000 0.700 112.500 0.001 0.018 107.001
Place 2 (Edg. DE) 122 6.25 80.465	0.112 1.271		0.001 0.000 0.0			0.000 0.313 0.3		0.000 0.000 0.311 10.414 0.019 0.008 48.517
Full Statistics 711 0.21 95.851 The Tallis State are for Proposed Point in 1.81 are full Till ofte for workspare, and 12.5% of time are constituted in the	0.338 £099	0.000 0.002	1002 1000 10	02 000 5827 89616	0.863 0.362	0.045 0.747 0.1	000 0000 0000 0000	4000 4000 1001 10130 4010 6020 111A08
tribid operations assume awage fleet mix for operational year 2021; latter phase of operations assumed awage fleet mix for o								
Dr. Site David Droot			Detaclors Ch. Sant				Security Sur	African COSe in medits terrafored
Phase Dis Sale Sales per bull Day Dis Dalamie Consile Daily VIIII	800 NO.	PM PM	PM PM PM	PM co com	CM 800	and 80 Mar	PM PM PM	PM. PM. CO COST CM NYO CDe
Phote 1 (Ein A. 8/C) 0.368 233.7692833 0.485 333.72	0.092 2.101		0.169 0.066 0.0			0.009 0.384 0.0		0.002 0.009 0.222 232.765 0.007 0.029 200.240
Plant 2 (Edg. DC) 0.388 121 4218224 0.168 17.60			0.018 0.005 0.0			0.003 0.118 0.1		0.000 0.000 0.000 31.740 0.000 0.000 0.000 31.740
Twi Sufficiency 0.588 375 3752000 Tex. 189.40 Twi Sufficiency or Francisco Protect is 1.31 are full TIT rate for superhouse, and 32.5% of tries are superfound to the		0.172 0.031	0.187 0.088 0.0	131 201 1311 12131	0.007 0.179	0.001 0.001 0.0	001 001 000	1001 1007 1201 20170 1001 1001 20100
bolld operations assume awage their mix for operational year 2025; latter phase of operations assumed awage their mix for o	enational year 2026.							
De Site Minder Transf			Emissions Divided				Entodors Son	Ayear COZe in metric time/wall
Phase Sty Sale (stys period) Day Sty Distance Onsite Gally VIII	soc NO _e	PM _{con} PM _{con}	PM ₁₀₀ PM ₁₀₀ PM ₁₀₀	PM _{ext} CO COST	CHE NOO	NOS NOS PARSO	PM ₁₀₀ PM ₁₀₁ PM ₁₀₀	PM _{res} PM _{res} CO CO2T ON N2O COp
Phot 1 (0) 4 (0) 1 (0) (0) 17740 (1)			0.862 0.012 0.0			0.160 0.161 0/ 0.260 0.252 0/		G005 G006 1412 195.827 6030 6416 385.611
Place 2 (Halp OC) 1.898 (13.04238) 0.156 128.80			0.001 0.001 0.0			10 220 0000		0.000 0.001 0.004 27.018 0.018 0.008 27.024 0.001 0.002 1.702 17.703 0.018 0.019 0.019
Tw Bonomic Impact Analysis estimate of PE 1,275 employees. Assuming each employee makes 2 one-way trips per work da							.,	
bolid operations assume amage fleet rote for operational year 2025; faller phase of operations assumed amage fleet rote for o	mational year 2026.							
Sciencel Dies in Name Die Deutsch Die Sein Bries aurabel Barts aur Deu* Die Dateure Onstie Daty Will	soc so,	PM PM	PM PM PM	PM _{eat} CO COST	CHS NOO	NOS NO, MA	PM ₁₀₀ PM ₁₀₁ PM ₁₀₀	Name COSe in motific loss/med FML
Phore 1 (Stor. 6, 8/12) 0,388 218,7892893 12,000 28892.00			12.662 5.280 0.9			0.258 15.590 2.		\$179 \$779 \$407 DEFENDE
Phase 2 (Ridge 0-0) 0.388 121 6039224 52 000 12646 80			6.068 1.576 0.6			0.302 6.377 1.0		G.085 G.872 2.767 7502.406 G.218 1.010 7054.716
Full State of Processed Process in J. S.L. are build 10 or but superhouses, and 32 AN of trees are constituted from		17.234 1935	18729 6896 14	68 6 101 10 278 128121 41	1397 17310	0.140 19.847 1	142 0.276 1.438 0.886	9.265 1.160 9.279 2090.567 0.690 1.166 21996.235
brilled operations assume average first miss for operational year 2021; Taller phase of operations assumed average first miss for operations.								
Note that intend unclevials are appeal under the "On-tile Took Trace" enhauses above.								
			Delinations Dishlard				Intocors for	Numer COSe in metric terro/med
Saleman' Disas in Finant Distr Monter Communical								
Phase Sty Kale Stys per bull Back per Day Sty Distance Onsite Dally Vill			PM _{sss} PM _{sss} PM _{sss}	PM _{ext} CO COST	CHG NOO	NOS NO, PM.		
Phase No Rate (days per loc) Rate per loc) Top Datase Onche Dally VIIII Phase I (Riss & B/C) 1.000 861 997792 7.100 1228 8.0	1011 2191	1148 0.017	PM ₆₀₇ PM ₆₄₈ PM ₆₄₈	DE 0.824 25.884 8271.04	6.327 6.220	0.181 0.381 0.1	174 0.007 0.181 0.144	0.004 0.100 4.702 1509.800 0.041 0.040 1380.412
Phase Top Kate (trips per bul) Bark per Day Trip Distance Onsite Daily Vill		1168 0.027 1.008 0.017	PM _{sss} PM _{sss} PM _{sss}	DE 0.824 25.884 8271.04	0.337 0.330 0.301 0.300		274 0.007 0.181 0.144 275 0.003 0.278 0.089	
Paue Myr Kell Pales Myr Kell Pales per half Sach per Fay Dig Datase Decide Dub/yAST	1.011 2.154 0.246 0.845 1.457 0.045 Pagestri 1,276,337 tot	1168 0.027 1.008 0.017	PM _{ast} PM _{bas} PM _{cst} 5185 0.700 0.0 1.325 0.379 0.0	10 0.00 25.00 E273.00 10 0.000 11.701 1850.00	0.337 0.330 0.301 0.300	0.181 0.391 0. 0.281 0.171 0.	274 0.007 0.181 0.144 275 0.003 0.278 0.089	0.000 0.100 0.702 1008.000 0.001 0.000 1880.012 0.001 0.072 2.335 700.375 0.036 0.018 0.018 0.018
Press	1.011 2.154 0.246 0.845 1.457 0.045 Pagestri 1,276,337 tot	1168 0.027 1.008 0.017	PM _{ast} PM _{bas} PM _{cst} 5185 0.700 0.0 1.325 0.379 0.0	10 0.00 25.00 E273.00 10 0.000 11.701 1850.00	0.337 0.330 0.301 0.300	0.181 0.391 0. 0.281 0.171 0.	274 0.007 0.181 0.144 275 0.003 0.278 0.089	0.000 0.100 0.702 1008.000 0.001 0.000 1880.012 0.001 0.072 2.335 700.375 0.036 0.018 0.018 0.018
Paue Myr Kell Pales Myr Kell Pales per half Sach per Fay Dig Datase Decide Dub/yAST	1.011 2.154 0.246 0.845 1.457 0.045 Pagestri 1,276,337 tot	1168 0.027 1.008 0.017	PM _{ast} PM _{bas} PM _{cst} 5185 0.700 0.0 1.325 0.379 0.0	10 0.00 25.00 E273.00 10 0.000 11.701 1850.00	0.337 0.330 0.301 0.300	0.181 0.391 0. 0.281 0.171 0.	274 0.007 0.181 0.144 275 0.003 0.278 0.089	0.000 0.100 0.702 1008.000 0.001 0.000 1880.012 0.001 0.072 2.335 700.375 0.036 0.018 0.018 0.018

Phase I (Bidgs A, B/C)	862.794

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GMP CG24	100	
	265	

Clarks - mithylday for CVMT and EVAT, Mysylday for Tops, gimter for MARS, PARSW and PARTN), givey for EXEC, NOTICIAS and RESIGNE, givescripting for IDAE and DERIS. PREV calculated based on hald VAT.
1001 (Phase)
1001 (Phase)

		B/C) Bressians																														PRECORA MOLOS
		Facilities.	Mile Haus.	ROS FUNDS	ROG IDLEX	ROG TREE		FUNDS 1		NON THEE							PSIG S RUNKS															
Tracks			25 1.49772929						10.21111791								0.016897495															
Tracks		20	26 1.57978932	8 0.00910300	13 2.440915900	0.0583	8004 1	1,214164891	29.94935493		2.090601105	0.017449488	0.021076646	0.000124704	0.028970078	0.068782425	0.016686881	0.00434644	0.000116661	0.00714232	0.024373869	0.329794696	41.06909618	1.255817634	1474.862513	6539.419199	10.67577289	0.042979489	2.484936832	0.0307215	0.18851 1	09922 0.00789
Windows		20	DS NA	0.00003340	16 0			0.057778295				0.001329196					0.001131653					0.711529358		3.570058792				0.002583706				0 0.03599
Water	45	20	D6 NA	0.00909044	14 0	0.3811	7928 0	0.051821464			0.291940942	0.00117808		0.002009816	0.0080000003	0.005821334	0.001084441		0.001837183	6.003000001	0.002317429	0.667829221	0	3.346183002	293.139574		75.91963246	0.002347395		0.07771206	0.00527	0.03686

TRU Emissions Associated with Refrigerated Trucks

									Emissio	s (lb/day)							Emissi	ons (tons/year; CO2e in m	etric tons/year)			
Vehicle Type	Horsepower ¹	Load Factor ²	Total TRU Trips per Day	Hours per Trip (based on ave 52 miles/trip)	Estimated Daily Hours Travel for TRU in- transit operations	ROG	NO,	PMvs	PM	m	m.r	CH4	N2O	ROG	NO.	PM·n	PM	m	CO2	CH4	N20	CO ₂ e
Phase 1 (Bldgs A, B//C)	полероне	LOUIS FUCCOS	Total TKO Trips per Day	mmezy u spy	union operations	ROG	NOX	PW0205	PHILA	CO .	W ₂ i	LN4	N2U	ROG	NOX	PRODE	P102.54	w	COZ	UN-4	NZU	COpe
Travel to/from site	24.26	0.49	5	8 1	507.5	20.55	19.60	0.56	0.51	2.51	3780.76	0.23	0.11	3.75	3.58	0.10	0.09	0.46	689.99	0.04	0.02	631.73
On-site Idling	24.26	0.49	NA .	NA	2,030.2	82.19	78.41	2.22	2.04	10.02	15123.03	0.94	0.43	15.00	14.31	0.41	0.37	1.83	2759.95	0.17	0.08	2526.94
Total Phase 1 Emissions						102.74	98.01	2.78	2.55	12.53	18903.79	1.17	0.54	18.75	17.89	0.51	0.47	2.29	3449.94	0.21	0.10	3158.67
Phase 2 (Bidgs D - G)																						
Travel to/from site	24.26	0.49	2	3 1	243.2	9.85	9.39	0.27	0.24	1.20	1811.70	0.11	0.05	1.80	1.71	0.05	0.04	0.22	330.64	0.02	0.01	302.72
On-site Idling	24.26	0.49	NA	NA	972.8	39.38	37.57	1.06	0.98	4.80	7246.82	0.45	0.21	7.19	6.86	0.19	0.18	0.88	1322.54	0.08	0.04	1210.89
Total Phase 2 Emissions						49.23	46.97	1.33	1.22	6.00	9058.52	0.56	0.26	8.98	8.57	0.24	0.22	1.10	1653.18	0.10	0.05	1513.61
Full Buildout														i								
Travel to/from site	24.26	0.49	7.	1 1	750.7	30.39	29.00	0.82	0.76	3.71	5592.46	0.35	0.16	5.55	5.29	0.15	0.14	0.68	1020.62	0.06	0.03	934.46
On-site Idling	24.26	0.49	NA	NA	3,003.0	121.57	115.98	3.29	3.02	14.82	22369.85	1.21	0.55	22.19	21.17	0.60	0.55	2.71	4082.50	0.22	0.10	3733.32 4667.78
Total Full Buildout Emissions						151.97	144.98	4.11	3.78	18.53	27962.31	1.55	0.71	27.73	26.46	0.75	0.69	3.38	5103.12	0.28	0.13	4667.78

1. Notify the Among throughouse will the act house power this, per CAB 2021 TND (inclusions inventory, history/min.act, approximation/pic/min.act, pic/min.act, pic/min.act, approximation (including pic/min.act) and including pic/min.act and including p

	Average	Horsepower	and	Load	Factor	for	TR
--	---------	------------	-----	------	--------	-----	----

CATTrailer (hp bin: 50)	33.8	0.38	
CATTrailer (hp bin: 23)	17.8	0.56	
Weighted Average	2	4.26	0.49
Global Warming Potential			
CD2		1	

Conversion Factor	ors:
grams per pound:	453.59237
pounds per ton:	2000
pounds per metric ton	2204.623
grams per ton:	907185
metric tons per ton:	0.907185
Operational Days Per Year	365

Land Use	Total Truck Trips to/from Site Per Day*	% of Trips with TRUs			Total TRU On-site Idling Duration Per Day (hours)	Duration Per	Mitigated Total TRU On-site Idling Duration Per Day (hours)
Phase 1 (Bigs A, B/C)	508	100%	508	4	2030.15	0.500	253.77
Phase 2 (Bidgs D-G)	243	100%	243	4	972.83	0.500	121.60
Full Buildout	751	100%	751	4	3002.99	0.500	375.37

*Per Traffic Study, trip rate for Proposed Project is 1.81 per ksf (ITE rate for warehouse), and 32.5% of trips are operational trucks. Project is 1,276,237 ksf.

THU Emission Factors
Noted Output CHROSO/2012 (vii. 3) Emissions Inventory
Region Its year AUMO
Calledon Year For Housey Year For Feel, Nours/year For Activity, Monsepower-hours/year For Honespower-hours
Calledon Year AUMO
Calledon Year For Honespower-hours
Calledon Year For

Region	CalYr	VehClass	MdIYr	HP_Bin	Fue
Bay Area AQMD	2025	Transportation Refridgeration Un	Aggregate		25 Die
Bay Area AQMD	2025	Transportation Refridgeration Un	Aggregate		50 Die

HC_tpd	ROG_tpd	TOG_tpd	CO_tpd	NOx_tpd	CO2_tpd	PM10_tpd	PM2_5_tpd	SOx_tpd	NH3_tpd	Fuel_gpy	Total Activity hp %Activity		Total Population H	orsepower_H
0.040575346	0.36558115	0.058401268	0.045059492	0.37578633	69.087823	0.013781555	0.012676595		1.55716E-06	2259883.17	3444173.99	0.403604638	1932.33791	61306297.0
0.071464059	0.658881259	0.102892363	0.079405236	0.577252602	117.7774763	0.010392673	0.009566107	185560.85	2.64963E-06	3844703.13	5089360.23	0.596395362	2855.77687	172020375

		Emission Rates								
		g/hp-hr	g/hp-hr	g/hp-hr	g/hp-hr	g/hp-hr	g/hp-hr	g/hp-hr	g/gallon	g/gallon
		ROG Exhaust	NOX Exhaust	CO Exhaust	PM10 Exhaust	PM2.5 Exhaust	CO2 Exhaust	SOX Exhaust	CH4*	N2O*
	Truck TRU	1.97	2.029666192		0.07	0.07	373.15		0.57	0.26
	Trailer TRU	1.27	1.111155224	0.15	0.02	0.02	226.71	357186.62	0.57	0.26
	Weighted Average	1.55	1.48	0.19	0.04	0.04	285.81	450789.49	0.57	0.26
albri	weighted awars on	38.83	37.05	4.73	1.05	0.97	7145 36	11260737 28	14.26	8.50

green develope in Security 38.83 37.05 4.73 1.05 0.97 / www.pb and security in Security 20.00 in Secur

Onsite Yard Equipment

Mitigation: require all onsite backup gene	Mitigation: require all onsite backup generators and rire pumps meet or exceed her 4 engine standards																									
							Emissions (lbs/day)								Emissions (tons/year)											
Equipment Type	Horsepower	Load Factor	Hours of Operatio n per Day			ROG	со	NO _x	PM ₁₀₁			PM _{2.5} BW, TW, roadway dust	CO ₂ T	CH4	N2O	ROG	со	NO _x	PM ₁₀₆	PM ₁₀ BW, TW, roadway dust		PM _{2.5} BW, TW, roadway dust	CO ₂ T	CH4	N2O	COze
First Buildings - Forklifts	50	0.73	4	3	25	0.984493	2.485755	0.28408631	0.142043		0.142043	0	690	0.096562	0	0.012306	0.031072	0.003551	0.001776	0	0.001776	0	8.625	1.21E-03	0	7.86
First Buildings - Yard Truck	50	0.73	2	3	25	0.492246	1.242878	0.14204315	0.071022		0.071022	0		0.048281		0.006153	0.015536	0.001776	0.000888	0	0.000888	0	4.3125	6.04E-04	0	3.93
Second set of Buildings - Forklifts	50	0.73	4	4	25	1.312657	3.31434	0.37878174	0.189391		0.189391	0	920	0.12875	0	0.016408	0.041429	0.004735	0.002367	0	0.002367	0	11.5	1.61E-03	0	10.47
Second set of Buildings - Yard Truck	50	0.73	2	4	25	0.656328	1.65717	0.18939087	0.094695		0.094695	0	460	0.064375	0	0.008204	0.020715	0.002367	0.001184	0	0.001184	0	5.75	8.05E-04	0	5.24

Emission factors and load power based upon CalEEMod v2020.4 modeling factors in Tables 3.4 and 3.3, respectively, for operational model year 2025.

Conversi	ion Factors	
lb		grams
	1	453.59237
metric ton		grams
	1	1000000
ton		lbs
	1	2000
metric ton		lbs
	1	2204.623
metric ton		ton
	0.907185	1
GWP CO2e		CH4
	28	1
GWP CO2e		N2O
	265	1
Horsepower		Kilowatt
	1 250521617	1

Emission Factors		Er	mission Fact	ors for Tier	r4 final				
Power Rating (Horsepower)	TOG (lb/hp-hr)	ROG (lb/hp-hr)	CO (g/hp-	NOX (g/h;	SO2 (g/hp	PM10 (g/h	PM2.5 (g/	CO2 (lb/hp-hi	CH4 (g/hp-hr
200 kV (220 bn)	0.00247	0.00225	2 574	0.294	0.005	0.15	0.15	1 15	0.073

Model Output: OFFROAD2021 (v1.0.5) Emissions Inventory
Region Type: AFD Datrict
Region Type: AFD Datrict
Region: Bay Area ABADIO
Clientals Year: 2025
Clientals Year: 2025
Centrals Year: 2025
Valida Country of Type: AFD ABADIO
Valida Country of Type: AFD ABADIO AFD

	EMPACES S No. 0.20 Emission Rates
Region	Team Sub-date

Claimate Non-1233
Notice: Standard Non-1234

Sidena (SF)	2025 LDS	Assessed Assessed Georgical	103047 4365330-01 64	25% 48-06	0 662537	63 EE'S 0 0617	0 038K 00011	0 0 0039	0.003 0.0039 0.0003	0 00021 00	008 00055 27827	0 70347 00021	0 0.0756 0.0049	0 0 0847 0 00KK	0 03427 0102 02727 14476 00128		0 1 1117 0 0028 0 0 00007
Solana (IV)	2025 LDA	Assessed Assessed Decid	276.62 9215.046964 0			0.34% 0.2574		0 0	0.002 0.002 0.0204		008 0.0056 260.27	0 0 0.0014	0 0 0.0179	0 0 0.0113	0 0 0 0 0 0.000	0 0 0 0 0 0.0031 0.865 0	0 0 0.0021 0 0
Solana (IV)																	
Solana (IV)	2025 LDFS																0 58627 00033 0 00009
Solana (IV)	2025 LDFS		2.3115 20.79885695 0			0.00% 1.6427					008 0.0076 417.63	0 0 0.0147	0 0.0658	0 0 0.8172	0 0 0 0 0 0.0011		
Solana (IV)	2025 LDFS		18.81 725.8634179 0						0.002 0.0015 0		008 0.0044 0						
Solana (IV)											008 0.0045 342.83		0 0.0871 0.004	0 0.0189 0.0303			0 3.8129 0.0014 0 0.0009
Solana (IV)	2025 LDF2											0 0 00005					
Solana (IV)		Assessed Assessed Excitation	259.75 20184.70655 0								008 0.0044 0						
Selana SSS	2021 1272	Assessed Assessed Plus in Helical	310 %1 15890 02187 0 100			0 18% 0 0027 100 00% 0.0%1	0 01141 00004 0 0.0011	0 0.0016 1883.2	0 003 0 0013 0 0005 0 0013	0 00017 00 0.0021	008 000% 11732	0 74117 00001	0 0.0411 0.0001	0 0 0011 0 0011	0 01793 0038 00384 03084 00018	0 01918 0036 00384 03066 00093 01799	0 1 NAME 0 0013 0 0 0007

Mitigated TRU Emissions Associated with Refrigerated Trucks
Mitigation: require all TRUs be plug-in cabalabe and plug-in immediately upon docking. Assumed no more than 5 minutes of idling.

									Emissio	ons (lb/day)							Emission	s (tons/year; CO2e in n	netric tons/year)				d .
Vehicle Type	Horsepower ¹	Load Factor ²	Total TRU Trips per Day	Hours per Trip (based on ave 52 miles/trip)	Estimated Daily Hours Travel for TRU in- transit operations	ROG	NOx	PM ₁₀₁	PM _{2.50}	со	CO ₂ T	CH4	N20	ROG	NO _x	PM ₁₀₆	PM _{2.5E}	со	CO ₂ T	CH4	N2O	COze	
Phase 1 (Bldgs A, B//C)																							
Travel to/from site	24.26	0.49	508	1	507.5	20.55	19.60	0.56	0.51	2.51	3780.76	0.23	0.11	3.75	3.58	0.10	0.09	0.46	689.99	0.04	0.02	631.73	1329.765
On-site Idling	24.26	0.49	NA.	NA	42.3	1.71	1.63	0.05	0.04	0.21	315.06	0.02	0.01	0.31	0.30	0.01	0.01	0.04	57.50	0.00	0.00	52.64	
Total Phase 1 Emissions						22.26	21.24	0.60	0.55	2.71	4095.82	0.25	0.12	4.06	3.88	0.11	0.10	0.50	747.49	0.05	0.02	684.38	.1
Phase 2 (Bldgs D - G)																							
Travel to/from site	24.26	0.49	243	1	243.2	9.85	9.39	0.27	0.24	1.20	1811.70	0.11	0.05	1.80	1.71	0.05	0.04	0.22	330.64	0.02	0.01	302.72	
On-site Idling	24.26	0.49	NA.	NA	20.3	0.82	0.78	0.02	0.02	0.10	150.98	0.01	0.00	0.15	0.14	0.00	0.00	0.02	27.55	0.00	0.00	25.23	
Total Phase 2 Emissions						10.67	10.18	0.29	0.27	1.30	1962.68	0.12	0.06	1.95	1.86	0.05	0.05	0.24	358.19	0.02	0.01	327.95	, I
Full Buildout																							
Travel to/from site	24.26	0.49	751	1	750.7	30.39	29.00	0.82	0.76	3.71	5592.46	0.35	0.16	5.55	5.29	0.15	0.14	0.68	1020.62	0.06	0.03	934.46	,
On-site Idling	24.26	0.49	NA.	NA	62.6	2.53	2.42	0.07	0.06	0.31	466.04	0.03	0.01	0.46	0.44	0.01	0.01	0.06	85.05	0.00	0.00	77.78	
Total Full Buildout Emissions						32.93	31.41	0.89	0.82	4.01	6058.50	0.37	0.17	6.01	5.73	0.16	0.15	0.73	1105.68	0.07	0.03	1012.23	-l

1. Weighted Average hors grouper within each horsepower his, pre CASR 2011 That Ensistent Incentions, https://www.arh.ce.ge/blooseffs/seenaking/flux/2012/pph.pdf. lip. c 25 assumed for single-unit trucks (consistent with document assumption that 21 1/0% calliform) asserted in this was going one truck under 23 horsepower."

2. Average load factor within each TRU category, per CASR 2012 TRU first isons inventory, https://www.arh.ce.ge/blooseffs/seenaking/truc/2012/pph.pdf.

2. Average Truck Truck asserted in the Cast Intelly. 16fec energy get/vehicle-pellploons/delivery-articles.

CATTrailer (hp bin: 50)	33.8	0.38	
CATTrailer (hp bin: 23)	17.8	0.56	
Weighted Average	24.26	0.0	49
Global Warming Potential		Ī	

Conversion Factors:							
grams per pound:	453.59237						
pounds per ton:	2000						
pounds per metric ton	2204.623						
grams per ton:	907185						
metric tons per ton:	0.907185						

Land Use	Total Truck Trips to/from Site Per Day*				Total TRU On-site Idling Duration Per Day (hours)	Site Idling Duration Per	Mitigated Total TRU On-site Idling Duration Per Day (hours)
Phase 1 (Bigs A, B/C)	508	100%	508	0.083333333	42.29	0.500	253.77
Phase 2 (Bldgs D-G)	243	100%	243	0.083333333	20.27	0.500	121.60
Full Buildout	751	100%	751	0.083333333	62.56	0.500	375.37

*Per Traffic Study, trip rate for Proposed Project is 1.81 per ksf (ITE rate for warehouse), and 32.5% of trips are operational trucks. Project is 1,276,237 ksf.

TRU Emission Factors
Model Output: DFROAD2022 (y.1.0.3) Emissions Inventory
Region Type: All Posterics
Geography 2014 (1997)
Calendar Year: 2025, 2026
Calendar Year: 2025
Cal

Region	Cal Yr	VehClass	Mdl Yr	HP_Bin	Fue
Bay Area AQMD	2025	Transportation Refridgeration Uni	i Aggregate	25	5 Die:
Bay Area AQMD	2025	Transportation Refridgeration Uni	i Aggregate	50	Die:

HC_tpd	ROG_tpd	TOG_tpd	CO_tpd	NOx_tpd	CO2_tpd	PM10_tpd	PM2_5_tpd	SOx_tpd	NH3_tpd	Fuel_gpy	Total Activity hp %Activity	r	Total Population H	Horsepower_Hours_hhpy
0.040575346	0.36558115	0.058401268	0.045059492	0.37578633	69.087823	0.013781555	0.012676595	109070.73	1.55716E-06	2259883.17	3444173.99	0.403604638	1932.33791	61306297.02
0.071464059	0.658881259	0.102892363	0.079405236	0.577252602	117.7774763	0.010392673	0.009566107	185560.85	2.64963E-06	3844703.13	5089360.23	0.596395362	2855.77687	172020375.8

		Emission Rates	3							
		g/hp-hr	g/hp-hr	g/hp-hr	g/hp-hr	g/hp-hr	g/hp-hr	g/hp-hr	g/gallon	g/gallon
		ROG Exhaust	NOX Exhaust	CO Exhaust	PM10 Exhaust	PM2.5 Exhaust	CO2 Exhaust	SOX Exhaust	CH4*	N2O*
	Truck TRU	1.97	2.029666192	0.24	0.07	0.07	373.15	589103.85	0.57	0.2
	Trailer TRU	1.27	1.111155224	0.15	0.02	0.02	226.71	357186.62	0.57	0.2
	Weighted Average	1.55	1.48	0.19	0.04	0.04	285.81	450789.49	0.57	0.20
n/h		20.02	27 OF	4.72	1.06	0.07	7145 20	11200727 20	14.25	0.50

"Source for CH4 and N2O emission factors for TRU is: https://www.epa.gov/sites/production/files/2018-03/documents/emission-factors mar 2018 0.pdf (Table 5)
Truck TRU-1-rad use (pallown/fri: 0.755439379
Trailer TRU-1-rad use (pallown/fri: 0.255464944

Mitigated Stationary Equipment Emissions
Mitigation: require all onsite backup generators and fire pumps meet or exceed Tier 4 engine standards

mingation. require an orisite backup gene										Emissions (lbs/day)									En	nissions (tor	ns/year)				
Equipment Type	Horsepower	Load Factor		Number of Units		ROG	со	NO _x		PM ₁₀ BW, TW, roadway dust		PM _{2.5} BW, TW, roadway dust	CO₂T	CH4	N2O	ROG	со	NO _x		PM ₁₀ BW, TW, roadway dust		PM _{2.5} BW, TW, roadway dust	CO ₂ T	CH4	N2O	COze
First Buildings - 46 kVA Backup Generator	50	0.73	- 4	3	25	0.984493	2.485755	0.28408631	0.142043	0	0.142043	0	690	0.096562	0	0.012306	0.031072	0.003551	0.001776	0	0.001776	0	8.625	1.21E-03	0	7.86
Second set of Buildings - 46 kVA Backup G	50	0.73	4	4	25	1.312657	3.31434	0.37878174		0	0.189391	0	920	0.12875	0	0.016408	0.041429	0.004735	0.002367	0	0.002367	0	11.5	1.61E-03	0	10.47
First Buildings - Fire Pump	50	0.73	2	3	25	0.492246	1.242878	0.14204315		0	0.071022	0	345	0.048281	0	0.006153	0.015536	0.001776	0.000888	0	0.000888	0	4.3125	6.04E-04	0	3.93
Second set of Buildings - Fire Pump	50	0.73	2	4	25	0.656328	1.65717	0.18939087	0.094695	0	0.094695	0	460	0.064375	0	0.008204	0.020715	0.002367	0.001184	0	0.001184	0	5.75	8.05E-04	0	5.24

Emission factors and load power based upon CalEEMod v2020.4 modeling factors in Tables 3.4 and 3.3, respectively, for operational model year 2025.

Number of backup ger	nerators and size1:	
Size	Number of Units	Horsepower ²
46KV	1 per building	50

Conversion Factors		
lb		grams
1		453.59237
metric ton		grams
	1	1000000
ton		lbs
	1	2000
metric ton		lbs
	1	2204.623
metric ton		ton
0.90	7185	1
GWP CO2e		CH4
	28	1
GWP CO2e		N2O
	265	1
Horsepower		Kilowatt
1.35962	1617	1

Emission Factors		Em	nission Fact	ors for Tier	4 final				
Power Rating (Horsepower)	TOG (lb/hp-hr)	ROG (lb/hp-hr)	CO (g/hp-l	NOX (g/h)	SO2 (g/hp	PM10 (g/f	PM2.5 (g/	CO2 (lb/hp-hr	CH4 (g/hp-hr)
200 kV (220 hp)	0.00247	0.00225	2.574	0.294	0.005	0.15	0.15	1.15	0.073

Pollutant TOG	Emissions Factor Source AP42 Table 3.3-1 AP42 Table 3.3-1 and	https://www3.epa.gov/ttnchie1/ap42/ch03/final/c03s03.pdf
ROG	assumes ROG accounts for 91% of TOG Tier 4 emissions factors	https://www3.epa.gov/ttnchie1/ap42/ch03/final/c03s03.pdf
m	from: EPA 40 CFR Part 1039 -	
ω	https://www.ecfr.gov/curr ent/title-40/chapter- I/subchapter-U/part-	
	1039#sp40.36.1039.b Tier 4 emissions factors from: EPA 40 CFR Part 1039 -	
Nox	https://www.ecfr.gov/curr ent/title-40/chapter- I/subchapter-U/part-	
	1039#sp40.36.1039.b SO2 Based on diesel fuel sulfur content 15 ppmw, diesel heat value 19300	
SO2	BTU/lb, Brake specific fuel consumption (BSFC) of 7000 BTU/hp-hr	
	Tier 4 emissions factors from: EPA 40 CFR Part 1039 -	
PM10	https://www.ecfr.gov/curr ent/title-40/chapter- I/subchapter-U/part- 1039#sp40.36.1039.b	
PM2.5	PM2.5 CCR 2423 for engines < 50 hp, CARB ATCM Final Regulation for engines >= 50 hp, assumes all PM10 is PM2.5	
CO2	CO2 AP42 Table 3.3-1	https://www3.epa.gov/ttnchie1/ap42/ch03/final/c03s03.pdf
	CH4 Based on 0.0014 kg/gallon diesel (California Climate Action Registry	
CH4	General Reporting Protocol), diesel density 6.943 lb/gallon, diesel heat value 19,300 BTU/lb, BSFC of 7,000 BTU/hp-hr	

Constituted Council Michille Reductors - Millerdad		

	-																												
On Sile latting										Emissions (Ib/day												Securiors So	majyean COZe in me	rists times/year)					
Place	Jumage Round Tilps per Day	Average lidling per Trip (hours)	Duration (hours per day)		800	NO,	PMore	PM _m	PM _{er}	PMass	PMess	PMoor		coar	CHE	100	NOG .	10,	W	2	PMort	PHON	PMore	PM _{err}	co	100	OH	120	CO,e
Phase I (Black I	NO 254	0.013333333	8.459		0.03833306	0.63814133	0.00000000	0.00018133	0.00018135	6,00000000	0.00017229	0.00017229	0.60347243	91.82171365	0.69954724	0.00471819	0.00666728	0.07811550	0.00000000	0.00001110	0.00001130	0.00000000	0.00003144	6-00003144	0.10980932	16.75766276	0.00721717	0.00268972	16.012368
Phase 2 (Bidgs.)	9-Q 123	0.0111111111	4.053		0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	6.00000000	0.00000000	0.000000000	0.000000000	0.000000000	0.000000000	0.00000000	0.00000000	0.00000000	0.000000000	0.000000000	0.000000000	0.00000000	0.00000000	0.00000000	6.000000000	6-300000000	0.00000000	0.00000000	0.00000
NUMBER		0.011111111	12.112		0.03113304	0.63816133	9.00000000	1.818-04	0.00018135	6.00000000	0.00017229	0.00017229	0.60387263	91.82171565	0.59954724	0.01471819	0.00666728	0.07819580	0.00000000	0.00001110	0.00001110	4.00000000	0.00008144	0.00003144	0.10980522	16.79766276	0.00721717	0.00248972	16 51226
On Site Death Toront										Delasters Di-Mo												Deductors for	estrair CODe in ma	Oto Sens/sear)					
Phase	No Sale Stips per half	On title Stark; per Day	Trip Distance	Onsile Daily VIIIT		NO,	PM _{ess}	PM	PM _{ee}	PM	PM	PM	co	C02T	CHE	800	NOG	NO,	PM ₁₀₀	PM _{em}	PMon	PHone	PMose	PM	co	C031	D46	N20	CO,p
Phone I Was A 1		211 7112311	0.685			1,93602	0.15624	0.01286	0.16906	0.04408	0.01227	0.01616	0.69974	1140 91715	5,00000	0.36211	0.00011	0.39042	0.02831	0.002214	0.00086	0.00801	0.00224	0.03029	2.12661	211 87110	0.00740	0.02966	200.53
Phase 2 (Kings)			0.154	17.640		1.00000	0.00860		0.00860	0.00211	0.00000	0.00311	0.00000		531344	0.00000		6.00000 6.34541	0.00137	0.00000	0.00117	0.00039	0.00000		0.00000		0.00000	0.00000	188.13
	Proposed Project is 1.81 or (u) 17		44				0.16686	0.00386	0.17768	0.08639	9.01227	0.01862	0.69174	2140 91715	001366	0.16211	0.000196	0.36042	X0002.0	0.002314	0.01341	0.00841	0.00224	0.03067	0.12661	211 87112	0.00760	0.02966	199.11
	Proposed Propert is 1.81 per bul (1 size first mix for constituted year 20					man.																							
On Site White Touri		On title tilety ser								Emissions 19.56a	1											Debugues hi	eshear CODe in ma	Oto Sens/read					
Phase	Top Note Stips per bull	Day	Trip Distance	Onsile Daily Visit		NO.	PMose	PMon	PMore	PM _{non}	PMess	PMess	co	COST	CHE	N00	ADG .	NO.	PM _{vm}	PMose	PMore	PMore	PMose	PMoor	co	COST	D46	N20	CO;#
Phase 1 (Bloc A 1	1.993	861.957712	0.799			0.772	0.156	0.008	0.162	0.012	0.007	0.019	E 2615		0.365	0.083	0.160	0.141	0.063	0.001	0.066	0.002	0.001	0.004	1.632	195 917	0.030	0.016	180
Phase 2 (Kidgs I		433.042268	0.156			0.284	0.033		0.031	0.001	0.000	6-005	3.255		0.671	0.013	0.040	0.052	0.004	0.000	0.004	0.000	0.000	0.000	0.594	27.814	0.011	0.004	27.
NO BASE	(m) 1,899	1271	90.	1100 278		1.094	0.187	0.000	0.197	0.011	0.009	0.021	12,200	1214 974	0.216	0.119	0.201	0.191	0.071	0.002	0.072	0.002	0.002	0.004	2 226	221.711	0.041	6-932	207
	is estimate of PTE 1,275 employees					No.																							
hild openions assure as	rage filest mix for operational year 20	25; latter phase of op	mations assumed ase	mage litest mix for ay	pestional year 2026.																								
Delever Dies technic Die D										Emissions Philips													mañosio COZe la ma						
Phase	Top Kate Stips per bull	Bark per Day		Onsite Daily Visit		NO.	PMose	PMose	PMore	PMana	PMess	PM _{ext}	co	COST	CHE	A00	ADG	NO,	PM _{vm}	PMore	PM _{cor}	PM	PMose	PM _{ean}	co	COST	044	N20	CD,#
Phote 1 (Title A.)		211.7192811	12,000			35.604	11.726	2,962	12 681	1.108	0.916		26.592		2,810	22,896	0.327	10.111	2,160	0.175	2,131	2.604	0.167		680	15866 629	0.522	2.178	14910
Phase 2 (Kidgs I		121 6039224	\$2,000			0.000	2.867	0.000	2.867	0.704	0.000	6.704	6,000	0.000	0.000	0.000	0.000	0.000	0.121	0.000	0.131	0.128	0.000	0.128	0.000	0.000	0.000	0.000	
			505	\$903X.X34		11,000	18,190	0.160	23.352	5.012	0.916	6,929	26.592	86818.797	2,819	13,896	0.327	10.111	2.461	9.175	2.818	9.712	0.167	0.000	6.83	15866 629	9.522	2.179	149104
	Proposed Properties 1.81 per half (1) use their mix for operational year 20					No.																							
	iets are control under the "On-Sile			order over our or all	peraturna year 2000.																								
1. Note that intered another	arts are captured under the "On-title	but have encore	n above.																										
Delever Disc to Flow Dir St										Emissions Division													mafunar CODe in ma						
Phase	Top Kate Brips per bull	Bark per Day	Trip Distance	Onsite Daily VIIIT		NO,	PM _{con}	PMose	PMore	PMana	PMcas	PMess	co	COST	CHE	A00	NOG	NO,	PM _{vm}	PMose	PMore	PM	PMon	PMore	co	COST	D46	N20	CO _p e
Phase I (Tips A.)		861 957712	7,100			2.116	1166	0.037	125	0.790	0.016	0.826	23.886		0.227	0.220	0.181	0.391	0.174	120.0	0.181	0.166	3.004	0.150	6.762	2109.832	0.061	0.010	1380
Phase 2 (Kidgs I		433.042268	7.100		0.444	0.940	1.168		1131	0.379	0.016	6.394	11701	1819.589	0.303	0.300	0.581	0.171	0.37%	0.001	0.278	0.069	0.001	0.072	2.115	704.375	0.016	0.018	443
MINN				18109-000		1.091	6.656	2.016	6.732	1,169	0.010	1216	27 683	12112 612	0.328	0.120	0.266	0.161	0,810	0.000	0.860	0.211	0.009	0.222	6.877	2216 205	2.092	0.016	2224
	is estimate of PTE 1,27% employees use first mix for combined year 20					No.																							
	rage filest mix for operational year 20 liefs, are continued under the "On-Stire			mage men mix for ay	priasuria yea 2036.																								

Convenion Fallers	
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Griss - miley/day for CVAT and ENAT, styly/day for Tops, girole for RIARD, PARRY and PARTH, givey for STRDE, HOTHOM and RIARDDS, girelectylelay for IDSE and DIARS. PHY subsidied based on said VAT. BASINGS.

	B/C) Smootons																												NZOJOM NZOJEM
	Facilities	Mile Hauss	ROG FUNCK	ROG IDLEX	ROG YMEE	NO+ FUNDS	NO+ IDLEX	NON TREE	PMSD RUNEX	PMISO IDUEX	PMG0 STREET	PMS0 PMTW	PMG0 PMW	PSICE S RUNDS	PNG 5 IDAK	PMC 5 17925	PM2 5 PMTW	PMC 5 PMWW	CO NUMBE	CO IDUEX	CO STRUCK	COD RUNDS	COD IDLEX	CO2 STREE	CHE RUNEX	CHE IDLES	CHE STREET	NEX Y	2 BI
Tracks	200	5 1.497729.	95 0.00160391	5 2.85404844	0.02914383	0.95159890	2 34.3849534		0.03649311																				
Tracks	200	6 1.579788	28	0 1	1	0	a a									0	0	0	0	0									0 0
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Worker Cars.	200	6 NA	0.00909044	4	0.38119792	0.05182144	4 0	0.29	1940942 0.00117800		0.002009616	0.008000003	0.005821326	0.000088441		0.001837183	0.003000001	0.003017429	0.667829221	0	3.366183002	293.139574		75.91963246	0.002347395		0.07771206	0.00527	0 0.09486

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Phase	Building Inf
Phase 1 (Bidgs A, B)	317.33
Phase 2 (Mides C)	172.88

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TRU Emissions Associated with Refrigerated Trucks - Reduced Footprint

						Emissions (lb/day)							Emissions (tons/year; CO2e in metric tons/year)										
Vehicle Type	Horsepower ¹	Load Factor ²	Total TRU Trips per Day	Hours per Trip (based on ave 52 miles/trip)	Estimated Daily Hours Travel for TRU in- transit operations	ROG	NO _x	PM ₁₀₅	PM _{2.56}	со	CO ₂ T	CH4	N20	ROG	NO _X	PM ₁₀₆	PM _{2.56}	co	CO2	CH4	N2O	COze	
Phase 1 (Bldgs A, B//C)																						,	
Travel to/from site	24.26	0.49	210		1 210.2	8.51	8.12	0.23	0.21	1.04	1565.81	0.10	0.04	1.55	1.48	0.04	0.04	0.19	285.76	0.02	0.01	261.63	550.72
On-site Idling	24.26	0.49	NA	NA.	840.8	34.04	32.47	0.92	0.85	4.15	6263.24	0.39	0.18	6.21	5.93	0.17	0.15	0.76	1143.04	0.07	0.03	1046.54	
Total Phase 1 Emissions						42.55	40.59	1.15	1.06	5.19	7829.05	0.49	0.22	7.77	7.41	0.21	0.19	0.95	1428.80	0.09	0.04	1308.17	i
Phase 2 (Bldgs D - G)								ĺ														,	
Travel to/from site	24.26	0.49	101		1 101.4	4.11	3.92	0.11	0.10	0.50	755.37	0.05	0.02	0.75	0.71	0.02	0.02	0.09	137.85	0.01	0.00	126.22	
On-site Idling	24.26	0.49	NA.	NA	405.6	16.42	15.67	0.44	0.41	2.00	3021.47	0.19	0.09	3.00	2.86	0.08	0.07	0.37	551.42	0.03	0.02	504.86	
Total Phase 2 Emissions						20.53	19.58	0.55	0.51	2.50	3776.84	0.23	0.11	3.75	3.57	0.10	0.09	0.46	689.27	0.04	0.02	631.08	ı
Full Buildout																							i
Travel to/from site	24.26	0.49	312		1 311.6	12.62	12.03	0.34	0.31	1.54	2321.18	0.14	0.07	2.30	2.20	0.06	0.06	0.28	423.61	0.03	0.01	387.85	
On-site Idling	24.26	0.49	NA	NA	1,246.4	50.46	48.14	1.36	1.25	6.15	9284.71	0.50	0.23	9.21	8.79	0.25	0.23	1.12	1694.46	0.09	0.04	1549.53	
Total Full Buildout Emissions						63.08	60.17	1.70	1.57	7.69	11605.89	0.65	0.29	11.51	10.98	0.31	0.29	1.40	2118.07	0.12	0.05		i

1. Weighted Average hors grouper within each horsepower his, pre CASR 2011 That Ensistent Incentions, https://www.arh.ce.ge/blooseffs/seenaking/flux/2012/pph.pdf. lip. c 25 assumed for single-unit trucks (consistent with document assumption that 21 1/0% calliform) asserted in this was going one truck under 23 horsepower."

2. Average load factor within each TRU category, per CASR 2012 TRU first isons inventory, https://www.arh.ce.ge/blooseffs/seenaking/truc/2012/pph.pdf.

2. Average Truck Truck asserted in the Cast Intelly. 16fec energy get/vehicle-pellploons/delivery-articles.

Average Horsepower and Load Factor for TRU:

CATTrailer (hp bin: 50)	33.8	0.38	
CATTrailer (hp bin: 23)	17.8	0.56	
Weighted Average	24.26		0.49
Global Warming Potential			

Conversion Fac	tors:
grams per pound:	453.59237
pounds per ton:	2000
pounds per metric ton	2204.623
grams per ton:	907185
metric tons per ton:	0.907185

		Total Truck Trips to/from Site Per Day*			On-site Idling Duration Per TRU per Day (hours)	Total TRU On-site Idling Duration Per Day (hours)	Site Idling Duration Per	Mitigated Total TRU On-site Idling Duration Per Day (hours)
Г	Phase 1 (Bigs A, B)	210	100%	210	4	840.79	0.500	105.10
Г	Phase 2 (Bldg C)	101	100%	101	4	405.61	0.500	50.70
Г	Full Buildout	312	100%	312	4	1246.40	0.500	155.80

*Per Traffic Study, trip rate for Proposed Project is 1.81 per ksf (ITE rate for warehouse), and 32.5% of trips are operational trucks. Reduced Footprint Alternative is 529,708 ksf.

TRU Emission Factors
Model Output: DFROAD2022 (v.1.0.3) Emissions Inventory
Region Type: All Posterics
Geography 2014 (v.1.0.3) Emissions Inventory
Region Type: All Posterics
Calendar Year: 2025, 2026
Calendar Year: 2025, 2026
Calendar Year: 2025, 2026
Coverario: All Apologo Indies - Dehaust
Vehicl of Cassification: OFROAD2021 Equipment Types
Units: translyfor for Emissions, pillinoxing-law for Facil, Inours/year for Activity, Horsepower-hours/year for Horsepower-hours
Units: translyfor for Emissions, pillinoxing-law for Facil, Inours/year for Activity, Horsepower-hours/year for Horsepower-hours

Region	CalYr	VehClass	MdlYr	HP_Bin	Fue
Bay Area AQMD	2025	Transportation Refridgeration Uni	1 Aggregate		25 Die
Bay Area AQMD	2025	Transportation Refridgeration Uni	1 Aggregate		50 Dies

HC_tpd	ROG_tpd	TOG_tpd	CO_tpd	NOx_tpd	CO2_tpd	PM10_tpd	PM2_5_tpd	SOx_tpd	NH3_tpd	Fuel_gpy	Total Activity hp %Activity	r	Total Population H	lorsepower_Hours_hhpy
0.040575346	0.36558115	0.058401268	0.045059492	0.37578633	69.087823	0.013781555	0.012676595	109070.73	1.55716E-06	2259883.17	3444173.99	0.403604638	1932.33791	61306297.02
0.071464059	0.658881259	0.102892363	0.079405236	0.577252602	117.7774763	0.010392673	0.009566107	185560.85	2.64963E-06	3844703.13	5089360.23	0.596395362	2855.77687	172020375.8

		Emission Rates								
		g/hp-hr	g/hp-hr	g/hp-hr	g/hp-hr	g/hp-hr	g/hp-hr	g/hp-hr	g/gallon	g/gallon
		ROG Exhaust	NOX Exhaust	CO Exhaust	PM10 Exhaust	PM2.5 Exhaust	CO2 Exhaust	SOX Exhaust	CH4*	N2O*
	Truck TRU	1.97	2.029666192	0.24	0.07	0.07	373.15	589103.85	0.57	0.
	Trailer TRU	1.27	1.111155224	0.15	0.02	0.02	226.71	357186.62	0.57	0.
	Weighted Average	1.55	1.48	0.19	0.04	0.04	285.81	450789.49	0.57	0.
- /	and absent accounts	20.02	27 OE	4.72	1.06	0.97	7145 20	11200727 20	14.25	

"Source br CH4 and N2O emission factors for TRU is: https://www.epa.gov/aides/production/files/2018-03/documenta/emission-factors mar 2018 0.pdf (Table 5)
Truck-TRU-'vid use (pallow/hr): 0.255439379
Trailar TRU-'rid use (pallow/hr): 0.25546494

Mil Reduced EE Connellment Co.	and Madella Reductions		

On Statistical																												
										Emissions (Ib/day)												Endocions S		rists tions/year)				
Plane	Agencie Round Tites on Day	Average lidling per Trip (hours)	Duration (hours per ded)			NO.	PM	PM		PM	PM	PM		enn	CM.	200		.04	PM	PM-s	PM	PM	796	Ph		****	CWI	am (0
Bhara 1 (Risc & B.)71	100.10	6.583333333	130	44	COMM	6.14648883	4.00000000	0.00004848	5.00000000	6.00000000	0.00000430	6.00000410	6.1037083	11,17867111	O ESSENTE.	0.00346348	0.00336330	0.03053134	4.00000000	0.00001111	4.00000111	4 00000000	0.00001104	6.00001164	6.04318833	4.60003133	6.00377300	6.00333344 6.33
Phase 2 Bloke, 0-G	16.70	6.6111111111	1.690	9.0	677169	9.07933704	0.00000000	0.00003361	0.00003361	6,00000000	0.000031195	0.000031193	0.111111147	17.61918126	0.007115518	0.00273376	0.00123580	0.03668266	0.00000000	0.00000411	0.00000418	0.00000000	0.00000183	0.00000183	6-02055267	1,10601706	0.00133779	0.00009855 2.80
Pull Building	11140	6411111111	5.293	0.0	080816	0.24385699	0.00000000	0.00010129	0.00016829	6,00000000	0.00009813	0.00009811	0.34249528	12 29900018	0.02252497	0.00839445	0.00379749	0.06452390	0.00000000	0.00001885	0.00001883	0.00000000	0.00005795	0.00001791	6.04214189	9.34436834	6-00413385	0.00133199 9.11
Twi Tuffic Study, big site for the lected and full buildest operation			and 32.5% of hips an	opediand tuck. Reluced F	oriprint Alex	mater is \$29,708 to?																						
On Site Took Tours										Detailes Diffel												Sedectors S	estrair CODe in ma	Oto Sens/year)				
Phase	Top Sale (tops per left)	On title Starts per Day	Try Distance		og.	NO.	PM _{see}	PMon	PM _{ee}	PMan	PM _{eas}	PM	co	соат	CHE	A00	MOG	NO,	PM	PMus	PMon	PHone	PHon	Pillon	co	COST	044	N20 CD
Phote 1 (Bloc & B/C)	0.59	105.099093	0.499		0.00002	0.71282	0.00639	0.00181	2.05043	201111	0.00067	0.01681	0.28576	105 00002	E-01281	0.00888	0.00361	0.33976	0.00830	0.00070	0.00920	0.00240	0.00067	0.00107	0.04101	8126667	0.00216	0.00892 1
Place 2 (Kidgs OC)	6.59	50.7312475	0.156		0.00860	0.28054	0.00766	0.00058	0.00763	0.00088		0.00214	0.08645	12.82671		0.00786	0.00046	0.05120	0.00128	0.00011	0.00139			0.00044	0.01541		0.00044	0.00143
Pull Buildeut Twy Suffix Shalls, title sale for Pro	0.19	233.8203633	NA.		00767	1.01118	0.05162	0.00142	0.03804	0.03333	0.00422	0.02935	9.31122	199,69119	0.01126	0.01676	0.00210	0.38090	0.00979	0.00081	0.0002.0	0.00276	0.00077	0.00133	0.00041	72.90734	0.00279	0.02235 6
	posed Project is 1.81 per bull)? ns. assume average first mix for a		and 32.5% of trips an	opentional tracks. Reluced 7	original Albert	mater is \$29,708 tol																						
t Sie Water Touri		On the Black ser								Emissions Philippi												Securiors S	eshear CODe in ma	on ten/wat				
Phase	Top Nate Stips per bull	Day	Trip Distance		100	NO,	PMose	PMose	PMore	PMass	PMess	PM _{ext}	co	COST	CHE	A00	ADG	NO,	PM _{vm}	PM _{vm}	PMore	PM	PMose	PMore	co	C031	044	N20 CD
Phase 1 (Bloc & B/C)			0.831		0.115	0.321	2169	0.001	0.111	0.005	0.000	2002	1716	606.613		655	0.018	652.0	0.027	0.001	0.028	0.001		0.001		82 511	0.012	5,006
Place 2 (Kidg. 0-0)	199	171 8241768	0.179		0.144	0.127	0.036	0.000	0.017	9.000	0.000	6.001	1.449	70.381	0.012	0.014	0.027	0.021	0.001	0.000	0.008	0.000		0.000	0.264	12.845	0.006	0.003
	2.65 Journing sub-engineer males					0.667	0.165	0.004	0.169	3.004	0.000	0.032	5.263	517.014	0.300	2252	0.061	0.042	082.0	0.001	0.081	0.001	0.001	0.002	0.902	96,355	0.018	0.008
	ns assume average first mix for a																											
idental Diss to Name Dis-Dook										Delasters (Ib/ded													esferie CODe in ma					
Phase	"Ny Kale Silps period		Trip Distance		10	NO.	PM _{see}	PMos	PM _{set}	PM	PM _{eas}	PMean	co	COST	CHE	800	806	NO,	PM _{var}	PM _{em}	PM _{int}	PM	PMose	PMost	60	6031	044	N20 CD
Phone 1 (Block & BAC)		101 00000X	12,000		0.241	21.666	4833	0.197	1211	1 170	0.183	1790	11,011	11916 188 1750 366		1.80	0.044	6.278	0.886	0.075	0.858	0.210		0.339		8562 000 1745 600	0.236	0.902 6
Phase 2 (Kings 0-Q)	2.59	10.3012471	12.000		0.117	11.352	2.142	0.192	2.534	1.011	0.181	0.844	16.313	17945.344		2.384	0.021	2.044	0.427	0.091	0.443	0.131				1145.402	0.100	2.005 2
			NA.					0.191	7.792	2.011.1	2.541	2.592	16.176	51302.414	1.755	7.327	0.046	6362	1314	0.108	1421	0.171	0.101	0.471	2.979	9727.407	0.1201	13071 - 0
	ns assume average first min for a	emilianal year 2021.																										
tild and full buildest operator			s above.																									
ited and full buildined operation. Note that internal uncilled into	es assume average first mix for a are captured under the "On-Size or Communical"	huck Travel" emission								Emissions Divided													nahasi Cüle in m					
ritel and full buildered operation. Note that interned unside visits. Second They builders Die Work Phase	ns assume auxige filed mix for a are captured under the "On Sile Commuted Top Rate Stips per half	Bath per Day	Trip Distance		16	NO ₄	PM _{int}	PM _{cm}	PM _{ser}	PMan	PM _{eas}	PM _{car}	co	coar	CHE	A00	NOG .	NO,	PU ₁₀	PM	PM _{ser}	PM	PMose	PMore	co	6031	CHE	N20 CD
Hid and full buildead operation Nate that internal annite visits. Install Place School Dir Strate Place 1 (Sio. A. S.C.)	ns accume awaye first one for a are captured under the "On tile or Communical" The Nate Brigs per hell 1.00	Mark per Day'	Trip Dataser 7.100	5057.657	0.418	0.891	1.161	0.011	1,334	PM ₈₄₈ 0.126	0.016	0.343	10.737	2418.564	0.094	0.093	0.076	0.341	0.217	0.001	0.740	PM ₆₁₀	PM _{per} 0.001	PM _{per} 0.042	1.802	621 888	6917	0.017
Note that internal ancide visits. Second Disc to Name Disc Strukt Phase Phase 1 (Name A, A/C) Phase 2 (Name C-C)	ns assume average fired mix for a are captured under the "On-tile or Community! The Kale (bigs period) 1.09	Bark per Esy ² 316 1718212 171 8241718	Top Dates:e 7.100 7.100	5017.697 2439.908	0.618	0.891 0.490	1 101 0.637	0.007 0.007	1,816	PM _{8.00} 0.524 0.557	0.016 0.007	0.341 0.164	10.737	1618.564 1669.363	0.004 0.043	0.093	0.576 0.597	0.161 0.078	0.287	0.001	0.740 0.136	PM _{6.00} 0.000 0.020	PM _{ess} 0.001 0.001	PM _{ean} 0.062 0.033	1 802 0 845	625 KKK 500 K72	0.017 0.008	6017 6008
Hid and hill hubband operator Natio that internal annite state. Sensel Place to Nation Die Week Phase Phase 2 (Holy D-0) hill Sackland	ns assume average first mix for a are captured under the "On-title or Communical" Top Kate (phys.yer/bot) 1.09 1.09	Mark per Day? 516 1715212 172 8241715 128	Top Datesia 7,100 7,100 85	5057.687 2438.908 2487.400	0.618 0.302 0.619	0.891	1.161	0.011	1,334	PM ₈₄₈ 0.126	0.016	0.343	10.737	2412.564	0.004 0.043	0.093	0.076	0.341	0.217	0.001	0.740	PM ₆₁₀	PM _{ess} 0.001 0.001	PM _{ean} 0.062 0.033	1 802 0 845	621 888	6917	0.017
Hild and hell included operation. Natio Dat Informal annales stark. Internal Dies in Diese Diese Diese Phase I (Dies S. B.C.) Phase 2 (Diese S. B.C.) Phase 2 (Diese S. B.C.) Phase 2 (Diese S. B.C.) Phase 2 (Diese S. B.C.)	ns assume average fired mix for a are captured under the "On-tile or Community! The Kale (bigs period) 1.09	Bark per Esy* 156 1758252 173 8241768 128 Lone way legs per se	Top Datesia 7,100 7,100 85	5057.687 2438.908 2487.400	0.618 0.302 0.619	0.891 0.490	1 101 0.637	0.007 0.007	1,816	PM _{8.00} 0.524 0.557	0.016 0.007	0.341 0.164	10.737	1618.564 1669.363	0.004 0.043	0.093	0.576 0.597	0.161 0.078	0.287	0.001	0.740 0.136	PM _{6.00} 0.000 0.020	PM _{ess} 0.001 0.001	PM _{ean} 0.062 0.033	1 802 0 845	625 KKK 500 K72	0.017 0.008	6017 6008

Phase	Building Inf
Phase 1 (Bidgs A, B	317.33
thank 2 (March	172.88

Convention Fallers	
	grams
_	633,39237
metric tion	gans
1	2000000
lin	Bri.
1	2000
metric tion	Bri.
1	2304.621
metric lan	ten.
0.907185	1
GMP CG2+	DHE
28	1
GWP CO2#	100

TRU Emissions Associated with Refrigerated Trucks - Mitigated Reduced Footprint

						Emissions (lb/day)							Emissions (tons/year; CO2e in metric tons/year)									
Vehicle Type	Horsepower ¹	Load Factor ²	Total TRU Trips per Day	Hours per Trip (based on ave 52 miles/trip)	Estimated Daily Hours Travel for TRU in- transit operations	ROG	NOx	PM ₁₀₅	PM _{2.56}	со	CO ₂ T	CH4	N2O	ROG	NO _X	PM ₁₀₆	PM _{2.5E}	со	CO2	CH4	N2O	COze
Phase 1 (Bldgs A, B//C)																						
Travel to/from site	24.26	0.49	210		1 210.2	8.51	8.12	0.23	0.21	1.04	1565.81	0.10	0.04	1.55	1.48	0.04	0.04	0.19	285.76	0.02	0.01	261.63
On-site Idling	24.26	0.49	NA	NA.	17.5	0.71	0.68	0.02	0.02	0.09	130.48	0.01	0.00	0.13	0.12	0.00	0.00	0.02	23.81	0.00	0.00	21.80
Total Phase 1 Emissions						9.22	8.79	0.25	0.23	1.12	1696.29	0.11	0.05	1.68	1.61	0.05	0.04	0.21	309.57	0.02	0.01	283.44
Phase 2 (Bldgs D - G)																						
Travel to/from site	24.26	0.49	101		1 101.4	4.11	3.92	0.11	0.10	0.50	755.37	0.05	0.02	0.75	0.71	0.02	0.02	0.09	137.85	0.01	0.00	126.22
On-site Idling	24.26	0.49	NA	NA.	8.5	0.34	0.33	0.01	0.01	0.04	62.95	0.00	0.00	0.06	0.06	0.00	0.00	0.01	11.49	0.00	0.00	10.52
Total Phase 2 Emissions						4.45	4.24	0.12	0.11	0.54	818.32	0.05	0.02	0.81	0.77	0.02	0.02	0.10	149.34	0.01	0.00	136.73
Full Buildout																						
Travel to/from site	24.26	0.49	312		1 311.6	12.62	12.03	0.34	0.31	1.54	2321.18	0.14	0.07	2.30	2.20	0.06	0.06	0.28	423.61	0.03	0.01	387.85
On-site Idling	24.26	0.49	NA.	NA.	26.0	1.05	1.00	0.03	0.03	0.13	193.43	0.01	0.00	0.19	0.18	0.01	0.00	0.02	35.30	0.00	0.00	32.28
Total Full Buildout Emissions						13.67	13.04	0.37	0.34	1.67	2514.61	0.15	0.07	2.49	2.38	0.07	0.06	0.30	458.92	0.03	0.01	420.13

1. Weighted Average horsepower within each horsepower bin, per CARB 2021 TRU Emissions Inventory. https://www.arb.ca.gov/board/rulemaking/bru2021/apph.pdf. Hg < 25 assumed for single-unit trucks (consistent with document assumption based TRUs have a group for units under 25 horsepower because all single-body trucks are assumed to be California based units, and all trailer units are over 23 horsepower."

2. Average load facts within each TRU Carepy, per CARB 2021 REVIEW indirects into the California based units, and all trailer units are over 23 horsepower."

3. Average load facts within each TRU carepy, per CARB 2021 REVIEW indirects as possible and provided in the care of the care of the carepy and the care of the c

Average Horsepower and Load Factor for TRU:			
CATTrailer (hp bin: 50)	33.8	0.38	
CATTrailer (hp bin: 23)	17.8	0.56	
Weighted Average	24	.26	0.49
·			
Global Warming Potential			

Conversion Fact	tors:
grams per pound:	453.59237
pounds per ton:	2000
pounds per metric ton	2204.623
grams per ton:	907185
metric tons per ton:	0.907185
Onesational David Bas Vers	365

Lai	d Use	Total Truck Trips to/from Site Per Day*				Total TRU On-site Idling Duration Per Day (hours)	Site Idling Duration Per	Mitigated Total TRU On-site Idling Duration Per Day (hours)
	Phase 1 (Bigs A, B)	210	100%	210	0.083333333	17.52	0.500	105.10
	Phase 2 (Bldg C)	101	100%	101	0.083333333	8.45	0.500	50.70
	Full Buildout	312	100%	312	0.083333333	25.97	0.500	155.80

*Per Traffic Study, trip rate for Proposed Project is 1.81 per ksf (ITE rate for warehouse), and 32.5% of trips are operational trucks. Reduced Footprint Alternative is 529,708 ksf.

TRU Emission Factors
Model Output: DFROAD2022 (v.1.0.3) Emissions Inventory
Region Type: All Posterics
Geography 2014 (v.1.0.3) Emissions Inventory
Region Type: All Posterics
Calendar Year: 2025, 2026
Calendar Year: 2025, 2026
Calendar Year: 2025, 2026
Coverario: All Apologo Indies - Dehaust
Vehicl of Cassification: OFROAD2021 Equipment Types
Units: translyfor for Emissions, pillinoxing-law for Facil, Inours/year for Activity, Horsepower-hours/year for Horsepower-hours
Units: translyfor for Emissions, pillinoxing-law for Facil, Inours/year for Activity, Horsepower-hours/year for Horsepower-hours

Region	Cal Yr	VehClass	Mdl Yr	HP_Bin	Fue
Bay Area AQMD	2025	Transportation Refridgeration Uni	i Aggregate	25	5 Die:
Bay Area AQMD	2025	Transportation Refridgeration Uni	i Aggregate	50	Die:

HC_tpd	ROG_tpd	TOG_tpd	CO_tpd	NOx_tpd	CO2_tpd	PM10_tpd	PM2_5_tpd	SOx_tpd	NH3_tpd	Fuel_gpy	Total Activity hp %Activity	r	Total Population H	Horsepower_Hours_hhpy
0.040575346	0.36558115	0.058401268	0.045059492	0.37578633	69.087823	0.013781555	0.012676595	109070.73	1.55716E-06	2259883.17	3444173.99	0.403604638	1932.33791	61306297.02
0.071464059	0.658881259	0.102892363	0.079405236	0.577252602	117.7774763	0.010392673	0.009566107	185560.85	2.64963E-06	3844703.13	5089360.23	0.596395362	2855.77687	172020375.8

		Emission Rates								
		g/hp-hr	g/hp-hr	g/hp-hr	g/hp-hr	g/hp-hr	g/hp-hr	g/hp-hr	g/gallon	g/gallon
		ROG Exhaust	NOX Exhaust	CO Exhaust	PM10 Exhaust	PM2.5 Exhaust	CO2 Exhaust	SOX Exhaust	CH4*	N2O*
	Truck TRU	1.97	2.029666192	0.24	0.07	0.07	373.15	589103.85	0.57	0.
	Trailer TRU	1.27	1.111155224	0.15	0.02	0.02	226.71	357186.62	0.57	0.
	Weighted Average	1.55	1.48	0.19	0.04	0.04	285.81	450789.49	0.57	0.
- /	and absent accounts	20.02	27 OE	4.72	1.06	0.97	7145 20	11200727 20	14.25	

"Source br CH4 and N2O emission factors for TRU is: https://www.epa.gov/aides/production/files/2018-03/documenta/emission-factors mar 2018 0.pdf (Table 5)
Truck-TRU-'vid use (pallow/hr): 0.255439379
Trailar TRU-'rid use (pallow/hr): 0.25546494

Mitigated Stationary Equipment Emissions - Reduced Footprint
Mitigation: require all onsite backup generators and fire pumps meet or exceed Tier 4 engine standards

minigation. Tequire all orante allevals generated a and the pumps meet of exceed the 4-engine annual of						Emissions (lbs/day)					Emissions (tons/year)															
Equipment Type	Horsepower			Number of Units	Days per Year	ROG	со	NO _x	PM _{10E}	PM ₁₀ BW, TW, roadway dust	PM _{2.5E}	PM _{2.5} BW, TW, roadway dust	CO ₂ T	CH4	N2O	ROG	со	NO _x		PM ₁₀ BW, TW, roadway dust		PM _{2.5} BW, TW, roadway dust	CO2T	CH4	N2O	CO ₂ e
First Buildings - 46 kVA Backup Generator	50	0.73	4	2	25	0.656328	1.65717	0.18939087	0.094695	0	0.094695	0	460	0.064375	0	0.008204	0.020715	0.002367	0.001184	0	0.001184	0	5.75	8.05E-04	0	5.24
Second set of Buildings - 46 kVA Backup G	50	0.73	4	1	25	0.328164	0.828585	0.09469544	0.047348	0	0.047348	0	230	0.032187				0.001184		0	0.000592	0	2.875	4.02E-04	0	2.62
First Buildings - Fire Pump	50	0.73	2	2	25	0.328164	0.828585	0.09469544	0.047348	0	0.047348	0	230	0.032187	0	0.004102	0.010357	0.001184	0.000592	0	0.000592	0	2.875	4.02E-04	0	2.62
Second set of Buildings - Fire Pump	50	0.73	2	1	25	0.164082	0.414293	0.04734772	0.023674	0	0.023674	0	115	0.016094	0	0.002051	0.005179	0.000592	0.000296	0	0.000296	0	1.4375	2.01E-04	0	1.31

Emission factors and load power based upon CalEEMod v2020.4 modeling factors in Tables 3.4 and 3.3, respectively, for operational model year 2025.

Size	Number of Units	Horsepower ²
46KV	1 per building	50

Conversion Factors	
lb	grams
1	453.59237
metric ton	grams
1	1000000
ton	lbs
1	2000
metric ton	lbs
1	2204.623
metric ton	ton
0.907185	1
GWP CO2e	CH4
28	1
GWP CO2e	N2O
265	1
Horsepower	Kilowatt
1.359621617	1

Emission Factors			Er	nission Fact	ors for Tier	4 final				
Power Rating (Horsepower)	TOG (lb/hp-hr)	ROG (lb/hp-hr)		CO (g/hp-	NOX (g/h)	SO2 (g/hp	PM10 (g/l	PM2.5 (g/	CO2 (lb/hp-hi	CH4 (g/hp
200 kV (220 hp)	0.00	247	0.00225	2.574	0.294	0.005	0.15	0.15	1.15	0.073

Paved Roadway Re-entrained Fugitive Dust Emissions

Paved Roads	100%

Paved Road Dust

$$EF_{DUST} = [(k(sL)^{0.91} \times (W)^{1.02}](1 - P/4N))$$

Source: AP-42 Section 13.2.1 (Paved Roads) - http://www.epa.gov/ttnchie1/ap42/ch13/final/c13s0201.pdf

Variable	Value	Description
k (PM10)	0.0022	particle size multiplier for particle size range and units of interest (lb/VMT)
k (PM2.5)	0.00054	particle size multiplier for particle size range and units of interest (lb/VMT)
sL	0.032	road surface silt loading (g/m²) based on EPA 2011 default for collector streets (https://ww3.arb.ca.gov/ei/areasrc/fullpdf/full7-9_2016.pdf)
W	2.40	CalEEMod default value, reflects CARB 2022 data.
Р	48	number of "wet" days with at least 0.254 mm of precipitation during the averaging period - Napa County Airport station data (CalEEMod Table G-2)
N	365	number of days in averaging period

All Vehicle Trip Types

EF (PM10)	0.102818724 g/mile
EF (PM2.5)	0.025237323 g/mile

	Conversion Fac	tors	
lbs		tons	
	2000		1
lbs		grams	
	1		453.59237

Source SMNAC2023 No. 0.20 Securior Rates				
Seaton Team Sub-date				
Section: Nav June ACMS				
Calendar Year 2025, 2026				
Season: Jermani				
Vehicle Classification: EMFEC202+ Calminism				
Sinitis and exhibite for CRMT and ERMT, Monthburton Trion, whethe for RUNCE.	PMEW and PMTW white for ETREX. HOTICAL and RUNLOSS, elvehole/day for	DLEX and DURN. PHEV calculated based on total VMT.		
Citation	Market Total		NOW DEST NOW THE PARKET	GIDLU NHE RU. CO RUN. CO IDLE. CO STRE. NON RUN. NON IDLE.
Section Tree Vehicle Colonics	Ter Seriel Curl Minimum. Providing VSE	NAT OUT DOT THE NORT IN	I BE IN THE	
Bay Arms J. 2021. To Invitate Delivery Class 6.	Assessive Assessive Direct 0.51 6605.21093 2251		1 10.00 1.0021 0.0021 0.0021 0.0021 0.0024 0.0027 0.0029 0.0021 0.0029 0.0023 0	0 0.216 0.1215 7.1616 0 0.6111 0.0191 0
Bay See J. 2021. To Install Delivery Class 6	Assessed Assessed Destroity 0.33 63.600093 3820		0 0 0 0 0 0 0 0 0 0 000 0000 0 0 0 0 0000	0 434 4354 7344 0 4455 4
Rev Area 5 1979 To Indian Delivery Class 6	America Assessed Makes C C 11 11 27 27 27 27		2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 100 1710 1140 0 0 0
Bay Arms J. 2025. Th Installe Delivery Class 7	Assessir Assessir Devel 0.33 1276.06535 694		8 97075 1968 0003 0000 0 000 0000 0000 0 0000 0000	0 022 00911 70218 0 00111 00187 0
Bay Arms J. 2025. Th Installe Delivery Class 7	Assessir Assessir Destroity 0.33 6.68672872 226.		0 0 0 0 0 0 0 0 000 0000 0 0 0 0 000 0000	
Review 6 1070 To Installabelian Class T	Amounts Assessed Material C. C. 15, 78 175774 1180		1 1001	0 100 100 11011 0 0 0 0
Rev Arms 1 1979 Th Institute Tracker Class T	Assessin Assessin Floral 0.10 1707 84781 747	1 1178 10791 6 10901 1388	1 100 100 100 100 100 100 100 100 100 1	0 0.1188 0.0398 7.5311 0 0.0101 0.0111 0
Bay Arms J. 2025. To Involute Tracker Class 7	Assessed Assessed Deutschy 0.35 3.48737589 271.	61 0.01% 0 271.61 60.016 0.01%		
Bay Arms J. 2025. To Involute Tracker Class 7	Assesser Assesser Natural G 0.35 27.8849617 1721	A 0.07% 1725.8 0 816.57 0.06%	1 14000 0 00000 00125 0 0000 00137 00000 00134 0 0012 00400 0115 0 0 0 0 0 0 0124 18442 0 0 0	0 104 27905 22309 0 0 0 0
Ber Arms J. 2025 To COS Class 7	Assesser Assesser Devel 5.66875 66.2560833 159		1 28614 0981 00086 0007 0 000 00148 00099 0007 0 002 0029 1028 17148 0 0000 0023 0 0141 00904 0 0001 0094 0 0 0 0 0077 00942 0 0 0	0 022 00025 20054 0 00097 00054 0
Bar Area J 2025 TATS	Assesse Assesse Gaudes 0.33 6063.53353 3386		S CORRE CATTO CODIS C COCCORRO CODE CATA CATA CATA CATA CATA CATA CATA CAT	
Bar Area J 2025 TATS	Assesse Assesse Destroity NA 54.0350736 6757			
Bay Area J 2025 TF NODS Class E	Assessed Assessed Direct 5.67 1706.56667 1909		1 181.21 2.9881 0.0111 0.0127 0.009 0.018 0.0190 0.0181 0.008 0.0748 1108.4 29211 0.0008 0.8015 0.0217 0.0029 0.0128 12.91 0 0 0.0048 16.782 0 0	0 032 00567 191.12 0 0.6145 0.2767 0
Bar Area J. 2025 TV Other PortiClass 8	Assessed Assessed Direct 0.69 474.172089 880		1 MARKY 2.012 0.0100 0.0100 0.0200 0.0200 0.0200 0.0145 0 0.006 0.0061 16617 \$2061.0 0 0.0000 0.0188 0 0.0010 1.0180 0 0.0110 1.0180 0 0 0 0.0112 1.0180 0 0 0	0 0.22 0.0994 50.512 0 0.6157 0.0782 0
Bay Area J 2025 TV Other PortiClass S	Assessed Assessed Decircity . A sec 3 management and			
Bay Area J 2025 TT POSE Class 8	Assessive Assessive Decel 1.507 3016.82518 2000		8 18361 23676 02090 02090 0 02090 02098 02028 0 0206 0 02061 1000.X 8291X 0 0 02000 0.108X 0 0.00 0 0.012 X.8286 0 0 0 0 0.0127 X.891X 0 0 0	0 032 0304 90312 0 0.0194 0.0776 0
Bay Area J 2025 TT POSE Class 8	Assessive Assessive Electricity 1.307 16.0017136 1891			
Bay Area J 2025 TT POSE Class 8	Assessive Assessive Natural G 1.507 1.79126626 174		7 10794 0 0.0021 0.0788 0 0.009 0.0299 0.0029 0.0027 0 0.008 0.0081 1014 1817 0 1175 47884 0 0.009 18179 0 0.008 0.0885 0 0 0 0 1.007 0.0888 0 0 0	0 104 68789 157.28 0 0 0 0
Section 2 2021 Train-Class 5	Assessed Assessed Depth (179 SERVICE) 6721			
Bay Area J. 2021. T7 Tractor Class 8 Bay Area J. 2021. T7 Tractor Class 8	Assesse Assesse Debruity 0.79 58.9910814 2731 Assesse Assesse Natural 0. 0.79 1322.83816 900			
	1.497729295			0 100 81189 9231 0 0 0 0 0388 03289 03914 42.831 13977 0.0138 0.0971 0.0001209
	1.497739396	100,00% Mindfel Sweat-Smissions 100,00%	1 M271 2517 6150 5109 600011 5077 6104 6077 6104 6007120 5100 5000 1004 1005 6000 1020 5100 5000 1020 5000 5000 5000 5	O.MH 0.2399 0.3004 42.884 1.3577 0.6138 0.0073 0.0001329
Calendar	1.497798395	100.00% Windried Summer Sections: 100.00%	E SUNI JULY SIGN SIGN SIGN SIGN SIGN SIGN SIGN SIGN	0.588 0.789 0.904 42.884 1.3177 0.6138 0.097 0.0001309
Calmida Resion floar Websiler Calmon	1.69779399	200.00% Weekled Sunsan Servicions: 200.00%	\$\$\text{\$\texint\exitex{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\tex	0.588 0.2999 0.5954 42.832 1.5577 0.6518 0.0975 0.0005199 00.500 500.501 CO_MAN CO_MAN CO_MAN NO.508 1 1 501
Calmedar Menine Year Webside Calmonry Res Annual 2002 Ni Installar Enforce Class Ni	1.497729395 Model Market Part Market Solid	300.00% Wheshied Sumair Stringtons, 300.00% 10	\$\\ \text{S1}\$ \$\\ \text{S2}\$ \$\\ \t	0.048 0.299 0.0014 0.2314 1.3177 0.0118 0.0173 0.0001399 Q.DU MHR, NE CO, NEW CO, DEE CO, NEW 100-, NEW 1
Calmentar Senter New Vehicle Calmente Senter New J 2020 Ni Indianter Entire Class S Senter Annual J 2020 Ni Indianter Entire Class S Senter Annual J 2020 Ni Indianter Entire Class S	1.497729395 Mindel Sered Pool Selfrestows President Will. Assertation Assertation Selfrest 0.313 52.6332905 2256	200.00% Weekled Junaar Receives: 200.00%		0.588 0.3299 0.8404 0.32814 1.8377 0.0188 0.0372 0.0001399 0.070 NoR_NU CO_NUN CO_NUN CO_NUN NO_NUN NO_NUN NO NUN NUN NUN NUN NUN NUN NUN NUN N
Calmedar State: Now Yeshalor Calmeire State Inval 2 2021 15 Include Deliver Class. 5 State And 2 1021 15 Include Deliver Class. 5 State And 2 1021 15 Include Deliver Class 6	1.487779395 Mindel Neer Samel Fael Sillin France, Penaldisian VIIII American American Mindel G C 333 23.233750 284 American American Control C 201 612.243750 284	2000% Weekind Junear Encirons. 2000% NAME COAST EAST Test NEETS N. LS 0.02% 386.6 0 185.0 0.00% 22 8.88.6 2186.0 0 883.0 177.5% 13 0.05% 0 883.0 177.5%	\$\(\text{Sign}\)\$ \$\(Sig	QUE NOR, DE COURSE COURSE COURSE SE, DES COURSES COURSE COURSE COURSE COURSE COURSE SE, DEN SON, DES COURSE SE COURS
Extender Statistic Colonier Resistant State Statistic Colonier Res Amer J 2010 N Includer Deliver Class S Res Amer J 2010 N Includer Deliver Class S Res Amer J 2011 N Includer Deliver Class S Res Amer J 2011 N Includer Deliver Class S	1.007792095 Maidd Send Pout Mille Navin Poundidin Viet New Send Pout Mille Navin Poundidin Viet Navinoria Amende Minist G G G 33 13.017300 184 Amende Amende Minist G G G G 33 18.017300 208 Amende Amende Minist G G G G G G G G G G G G G G G G G G G	200.00% Weekled Junear Received. 200.00% NAME CANT SHAFT SHAFT NAME NAME CANT SHAFT NAME NAME NAME NAME NAME NAME NAME NAME	\$\\ \begin{align*} \b	0.588 0.299 0.850 0.288 0.387 0.618 0.697 0.600139 0.500 0.600,50 0.00,60 0.00,60 0.00,60 0.00,60 0.00 0.800 0.800 0.80 0.80 0.80 0.80
Colon-dar Station Year Standard J 2020. 18 Installar Distance Claim 1s	1.40772290	200.00% Windows Symmetric Course. 200.00% Windows Symmetric Course Symmetry Co	\$\\ \begin{align*} \b	QUE NOR, DE COURSE COURSE COURSE SE, DES COURSES COURSE COURSE COURSE COURSE COURSE SE, DEN SON, DES COURSE SE COURS
Colondar Television Colonners See America Statistica Colonners See America Statistica Colonners Class & See America Statistica	\$\text{L407724280}\$ Market based for \$150 \text{Struct}\$ **Paradiation (Very Struct)** **P	200.00% Windheld Sweater-Directions, 200.00% Windheld Sweater-Directions, 200.00% Windheld Sweater-Direction, 200.00% Windheld Sweater-Dir	10. 10. 10. 10. 10. 10. 10. 10. 10. 10.	Qual Antigue Cojune Coj
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Bay Area A 2025 TS Instale Delivery Class 6 Bay Area A 2025 TS Instale Delivery Class 6	2019 Agregar Dend 927.317548 32975.3 1.616 32975.3 0 1323.8 2023 Agregar Dend 121.877676 6469.87 0.226 4469.87 0 1756.36	3.54N 0.40274 9.83282 1.82779 0.00279 0.0028 0.44N 0.88993 9.83282 1.82779 0.00274 0.0028	0 0.003 0.01445 0.00187 0.0034 0 0 0.003 0.01445 0.00182 0.0034 0	0.012 0.04796 1198.84 2004.57 0 0.00026 0.00778 0.012 0.04796 1198.84 2004.57 0 0.00025 0.00778	0 0.1888 0.1182 0 0.0062 0.1664 0 0 0 0 0 0 0.01888 0.1182 0 0.0062 0.1664 0 0 0	0 0.0084 0.18945 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 022 0.00908 7.08621 0 0.00125 0.00898 0 0 022 0.00725 7.08621 0 0.00125 0.00898 0
Ban Ame A 3035 To Installe Delivery Class 6 Ban Ame A 3035 To Installe Delivery Class 6 Ban Ame A 3035 To Installe Delivery Class 6 Ban Ame A 3035 To Installe Delivery Class 6	3033 Agregate Natural Gr. 1.74627169 64.0654 0.00% 64.0654 0.248879 3031 Agregate David 181.00666 1211.08 0.26% 5121.08 0.100.5.78 3031 Agregate Natural Gr. 1.74527824 7.3488 0.00% 73.3486 0.2746189	0.01% 0.09% 4.91072 0 0.00180 0.01876 0.09% 0.276 9.8132 1.82779 0.00189 0.0028 0.01% 0.09%3 4.91072 0 0.00189 0.01876	0 0.001 0.01400 0.0000 0.0004 0 0 0.001 0.01400 0.0100 0.0034 0 0 0.001 0.01400 0.0000 0.0004 0	0.012 0.04760 1110.7 4778.08 0 0.87932 11.8887 0.012 0.04760 1288.28 1812.02 0 0.00036 0.00778 0.012 0.04760 1206.51 4268.67 0 0.87932 11.8887	0 0.25042 0.94229 0 0.01348 0.14072 0 0 0 0 0.15082 0.38868 0 0.00521 0.3864 0 0 0 0 0.00678 0.8702 0 0.01348 0.14072 0 0	0 0.00118 11.0331 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 106 131889 37.4619 0 0 0 0 0 22 0.041 7.0821 0 0.0027 0.0217 0 1 106 131889 37.4619 0 0 0
Bay Area A 2025 TS Instale Delivery Class 6 Bay Area A 2025 TS Instale Delivery Class 6	2022 Agengio Direct 126.09976 6886.59 0.23% 6886.59 0 1770.9 2022 Agengio Natural Go 1.77876832 70.0413 0.00% 70.0413 0 25.883	0.61% 0.51929 9.61282 1.61779 0.00163 0.0023 0.01% 0.01951 4.91072 0 0.00189 0.01876	0 0.003 0.01445 0.00171 0.0024 0 0 0.003 0.01445 0.00002 0.0004 0	0.012 0.04796 1286.23 1812.92 0 0.00028 0.02778 0.012 0.04796 1006.51 6268.67 0 0.87922 11.8887	0 0.17087 0.38565 0 0.00098 0.1864 0 0 0 0 0 0 0.00478 0.8762 0 0.00248 0.18272 0 0 0	0 0.00567 0.18945 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 022 0.06332 7.06621 0 0.05027 0.02717 0 1 100 1.81889 37.6639 0 0 0 0
Bar Ame A 3035 Ni Installe Delivery Class 6 Bar Ame A 3035 Ni Installe Delivery Class 6 Bar Ame A 3035 Ni Installe Delivery Class 6	2013 Agregate Daniel 317.31161 16190.8 0.71K 16190.8 0 5099.12 2013 Agregate Natural Car 5.12178707 209.138 0.01K 201316 0 71.01K 2014 Agregate Natural Car	120% 0.00% 0.01% 1.01779 0.00%% 0.00% 0.01% 0.00%% 4.00072 0 0.00%% 0.00%%	0 0.003 0.0040 0.0000 0.0000 0 0 0.003 0.0040 0.0000 0.0000 0	0.012 0.04746 2086.23 1812.82 0 0.00022 0.00778 0.012 0.04756 2006.01 6288.67 0 0.87922 11.3887	0 0.3582 0.3885 0 0.001N 0.1664 0 0 0 0 0.2018 0.8702 0 0.0128 0.16272 0 0 0	0 0.0018 0.18945 0 0 0	0 0.23 0.00142 7.04021 0 0.00027 0.02717 0 1 100 1.01809 17.4619 0 0 0
Bar Area A 2025 To Installe Delivery Class 6 Bar Area A 2025 To Installe Delivery Class 6	2014 Agengan Embruity 17.4990518 750.31 0.00% 0 793.31 202.505 2014 Agengan Natural Co. 2.8960928 122.658 0.03% 122.658 0 412987	0.08% 0 0 0 0 0 0 0.01% 0.019%3 4.91072 0 0.0018% 0.018%	0 0.003 0.00832 0 0 0 0 0 0.003 0.01845 0.00002 0.0004 0	0.012 0.02378 0 0 0 0 0 0 0.012 0.04750 1006.51 4248.67 0 0.879.22 11.3887	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 089128 114291 0 0 0	0 0 0 0 0 0 0 0 0 0 0 1 100 1.01489 17.4419 0 0 0 0
Bar Ame A 3035 Ni Installe Delivery Class 6 Bar Ame A 3035 Ni Installe Delivery Class 6 Bar Ame A 3035 Ni Installe Delivery Class 6	2015 Agreepe Deed 294.746751 RF7.139 C.ENK RETU.S9 D 2779.18 2015 Agreepe Deedsky 21.9675161 967.015 C.ONN D 967.024 E15.675	670% 0.2942 3.89461 1.24888 0.00143 6.0028 608N 0 0 0 0 0	0 0.003 0.00405 0.0015 0.0024 0 0 0.003 0.00832 0 0 0	0.012 0.0278	0 0.28932 0.28348	0 0 0 0 0 0	0 0.23 0.0000 7.00021 0 0.00029 0.02794 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Bar Area A 2025 To Installe Delivery Class 6 Bar Area A 2025 To Installe Delivery Class 6	2016 Agregar Danel 61.8071783 805.372 0.00% 825.372 0 626.562 2016 Agregar Emphridy 5.8737251 109.575 0.01% 0 209.573 85.2651	6.18% 0.18622 8.8879 1.29278 0.00137 0.0028 6.02% 0 0 0 0 0	0 0.003 0.01445 0.00144 0.0034 0 0 0.003 0.00832 0 0 0	0.012 0.04796 1275.88 1796.87 0 0.00018 0.00778 0.012 0.02878 0 0 0 0 0	0 0.1695 0.38341 0 0.00394 0.1664 0 0 0 0 0 0 0 0 0 0 0 0	0 0.0048 0.18945 0 0 0 0	0.000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Ban Area A 3035 To Installe Delivery Class 6 Ban Area A 3035 To Installe Delivery Class 7 Ban Area A 3035 To Installe Delivery Class 7	2014 Agregate Natural Car 0.42914171 11.5417 10.00% 11.1417 0 8.98274 2014 Agregate David 212.7415158 110487 0.59% 11.0487 0 809183 2014 Agregate David Carlottel 11.773 0.00% 11.1417 0 8.98274	6.00% 0.00932 4.91072 0 0.00138 0.01376 6.77% 0.47832 9.81382 1.61273 0.00238 0.0028	0 0.001 0.01440 0.0002 0.0004 0 0 0.001 0.01440 0.0024 0.0034 0	0.012 0.04756 2004.51 4248.67 0 0.87522 11.8887 0.012 0.04756 1248.98 2083.51 0 0.00018 0.00178 0.012 0.04756 1248.98 2083.58 0 0.00018 0.00178	0 0.30478 0.8703 0 0.01348 0.10273 0 0 0 0 0.3048 0.33823 0 0.00714 0.3044 0 0 0	0 0.00118 11.0131 0 0 0	1 106 131889 37.4819 0 0 0 0 0 022 0.00233 7.00823 0 0.0138 0.00973 0
Bar Area A 2025 To Installe Delivery Class 7 Bar Area A 2025 To Installe Delivery Class 7	2013 Agregar Danel 118.994841 6023.44 0.31% 6003.44 0 1609.69 2013 Agregar Natural Gr 1.23696103 68.8807 0.00% 68.9827 0 17.6314	DEEN CAMES SAISE LEIZES CODIN CODES CODE CAMES SAIGED O CODES CODES	0 0.003 0.01445 0.00222 0.0024 0 0 0.003 0.01445 0.00044 0.02329 0	0.012 0.04796 1245.95 2083.53 0 0.00032 0.03778 0.012 0.04796 1254.87 3887.54 0 0.72677 16.2002	0 0.3988 0.33838 0 0.00699 0.3864 0 0 0 0 0.23508 0.79248 0 0.00688 0.23247 0 0 0	0 0.00798 0.18945 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 032 0.00133 7.00021 0 0.0118 0.00978 0 1 100 1.30179 10.6883 0 0 0 0
Bar Ame A 2025 16 Installe Delivery Clairs 7 Bar Ame A 2025 16 Installe Delivery Clairs 7	2018 Agengair David 120,279544 8789.42 0.56% 8789.42 0.1716.39 2018 Agengair Natural Ga E.ESRILLES 653.728 0.02% 653.728 0.114.706	0.61% 0.6611 9.8129 1.62779 0.00208 0.0028 0.01% 0.39887 5.5002 0 0.00059 0.00900	0 0.001 0.01445 0.00017 0.0034 0 0 0.001 0.01445 0.0004 0.01029 0	0.012 0.04756 1245.95 2085.83 0 0.00032 0.00778 0.012 0.04756 1256.87 5887.54 0 0.72677 16.2002	0 0.3968 0.32838 0 0.00682 0.3664 0 0 0 0 0.23508 0.78266 0 0.0008 0.33547 0 0 0	0 0.00779 0.18943 0 0 0 0 0.74172 16.5156 0 0 0	0 022 0.00952 7.04621 0 0.0128 0.00978 0 1 100 0.26579 16.6682 0 0 0 0
Bar Area A 3035 To Installe Delivery Class 7 Bar Area A 3035 To Installe Delivery Class 7	2017 Agerque Diesel 96.041983 502183 0.27% 500183 0 1303.57 2018 Agerque Diesel 96.041983 502183 0.27% 500183 0 1303.58	0.01% 0.18277 5.30022 0 0.00122 0.00900 0.36% 0.4275 9.81382 1.81779 0.00188 0.0023	0 0.001 0.01445 0.0013 0.0029 0 0 0.001 0.01445 0.00007 0.0034 0	0.012 0.04756 1092.76 3740.87 0 0.79932 16.2002 0.012 0.04756 1198.84 2004.87 0 0.0008 0.00778	0 0.25445 0.355 0 0.01142 0.35247 0 0 0 0 0.18888 0.3182 0 0.00641 0.1664 0 0 0	0 0.81379 1.83184 0 0 0 0	1 106 5.37723 16.6882 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Bay Area A 2025 Till Installe Delivery Class 7 Bay Area A 2025 Till Installe Delivery Class 7	2018 Agregar Natural Car 4.89972884 288.643 0.01% 288.643 0 67.0813 2018 Agregar Devol 182.577048 7870.76 0.38% 7870.76 0 1881.87	0.03% 0.05949 4.95072 0 0.00189 0.01876 0.68% 0.43145 9.83382 1.63779 0.00182 0.0028	0 0.003 0.01445 0.0000 0.004 0 0 0.003 0.01445 0.0000 0.0034 0	0.012 0.04798 1110.7 4719.93 0 0.87922 11.3887 0.012 0.04798 1198.84 2004.57 0 0.00029 0.00778	0 0.23642 0.86239 0 0.02248 0.56272 0 0 0 0 0 0 0 0.25888 0.8382 0 0.00618 0.1664 0 0 0	0 0.00703 0.18943 0 0 0	1 106 1.81889 17.6619 0 0 0 0 1 022 0.05392 7.04621 0 0.05185 0.05898 0
Rev Area A 2025 To Installer Delivery Class 7 Rev Area A 2025 To Installer Delivery Class 7 Rev Area A 2025 To Installer Delivery Class 7	2033 Agerque Denei 23.798377 604.511 0.53% 604.511 0.10.865 2033 Agerque Naturi Ga 0.20274649 11.4568 0.00% 11.4568 0.2.88565 2031 Agerque Denei 4.39210774 242.558 0.01% 242.358 0.61.521	0.00% 0.01961 635122 1.01779 0.00188 0.0028 0.00% 0.01961 435072 0 0.0188 0.01876 0.02% 0.40320 9.03322 1.01779 0.00179 0.0023	0 0.003 0.01445 0.0009 0.0034 0 0 0.003 0.01445 0.0002 0.0004 0 0 0.003 0.01445 0.0007 0.0034 0	0.012 0.04796 1198.84 2004.57 0 0.00037 0.03778 0.012 0.04796 1110.7 6728.98 0 0.87322 11.8887 0.012 0.04796 2086.28 1812.92 0 0.00036 0.03778	0 0.23682 0.96239 0 0.02482 0.1664 0 0 0 0 0.23662 0.96239 0 0.02368 0.16272 0 0 0 0 0.33582 0.38868 0 0.00564 0.1664 0 0 0	0 0.00410 0.18941 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 033 0.00148 7.04631 0 0.00131 0.02898 0 1 108 1.81889 17.4659 0 0 0 1 032 0.06937 7.04621 0 0.00037 0.02717 0
Bay Area A 2025 TS Institle Delivery Class 7 Bay Area A 2025 TS Institle Delivery Class 7	2021 Agregate Natural Co. CORIZERS CIBERS C.CON. 6.58618 C. 1.15993 2022 Agregate Desel E.68881816 699.396 C.CON. 699.396 C. 128	0.00% 0.00%14 4.95072 0 0.00188 0.01876 0.03% 0.0848 9.81382 1.82779 0.00172 0.0028	0 0.003 0.51665 0.00003 0.5266 0 0 0.003 0.51665 0.0018 0.0036 0	0.012 0.04756 1000.51 6268.67 0 0.87932 11.3887 0.012 0.04756 1086.28 1812.02 0 0.00025 0.00778	0 0.20478 0.8702 0 0.01248 0.14272 0 0 0 0 0.17082 0.28168 0 0.00135 0.1464 0 0 0	0 0.00000 0.18943 0 0 0	1 106 1.81889 17.6619 0 0 0 0 1 0.23 0.66687 7.06821 0 0.65027 0.62717 0
No. Annu A 3035 To lesiate Delivery Class 7 Bar Annu A 3035 To lesiate Delivery Class 7 Bar Annu A 3035 To lesiate Delivery Class 7 Bar Annu A 3035 To lesiate Delivery Class 7	2022 Agregate Notes C 249827168 846465 0 2000 846465 0 242221 2021 Agregate Daniel 27.8647128 169847 0.08% 169847 0 992.69% 2021 Agregate Notes Gas 0.1782094 28.3108 0.00% 28.3208 0 7.88812	0.00% 0.0993 4.91072 0 0.00188 0.01876 0.10% 0.01913 9.81382 1.82779 0.00141 0.0028 0.00% 0.01919 4.91072 0 0.00189 0.01876	0 000.0 000.0 000.0 0 0 000.0 000.0 000.0 0 0 000.0 000.0 000.0 0	0.012 0.04786 2004.51 4148.67 0 0.87322 11.5887 0.012 0.04786 2084.28 1812.62 0 0.00028 0.00778 0.012 0.04786 2004.51 4148.67 0 0.87322 11.5887	0 0.20478 0.8702 0 0.01348 0.14072 0 0 0 0 0.17082 0.38163 0 0.00023 0.3864 0 0 0 0 0.00478 0.8702 0 0.01348 0.14072 0 0	0 0.00112 11.0321 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 106 131889 37.4619 0 0 0 0 0 022 0.04188 7.06821 0 0.0027 0.0217 0 1 106 131889 37.4619 0 0 0
Bar Area A 2025 TS Instale Delivery Class 7 Bar Area A 2025 TS Instale Delivery Class 7	2034 Agregar Dend 21.6453001 1158.18 0.08% 1158.18 0 508.815 2034 Agregar Embruity 1.71904245 91.8885 0.00% 0 91.9885 24.5507	0.08% 0.32483 9.83382 1.83779 0.00184 0.0028 0.01% 0 0 0 0 0 0	0 0.003 0.01445 0.00041 0.0034 0 0 0.003 0.00832 0 0 0	0.012 0.04796 1086.85 1783.85 0 0.00032 0.00778 0.012 0.03278 0 0 0 0 0	0 0.18808 0.38205 0 0.00449 0.1864 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0.00136 0.18943 0 0 0 0	0 023 0.00093 7.00021 0 0.0101 0.05089 0 0 0 0 0 0 0 0 0 0
Rev Area A 3335 TO Institute Delivery Class 7 Ber Area A 3335 TO Institute Delivery Class 7 Ber Area A 3335 TO Institute Delivery Class 7	2024 Agenyae Pre-2 20.1778121 100921 0.000 21.0078 0 184229 2023 Agenyae Deed 20.1778121 100921 0.010 208230 0 287307	0.00% 0.05849 4.95072 0 0.00189 0.01876 0.07% 0.35006 4.27369 1.27796 0.00148 0.0023	0 0.001 0.0010 0.00010 0.0001 0 0.001 0.0010 0.0011 0.0011	0.012 0.04766 1000.51 4248.67 0 0.87323 11.5887 0.012 0.04766 1272.68 1790.32 0 0.002 0.00778	0 0.20478 0.8703 0 0.01348 0.36273 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0.0000 0.10010 0 0 0	1 106 131889 17.4619 0 0 0 0 1 022 0.01777 7.08421 0 0.00034 0.00893 0
Bay Area A 2025 To Institute Delivery Class 7 Bay Area A 2025 To Institute Delivery Class 7	2035 Agregate Natural De 0.38093218 18.8809 0.00% 18.8809 0 5.63578 2026 Agregate Deset 5.12782659 111.809 0.01% 111.829 0 76.1741	6:00% 0:0951 4:95072 0 0:00189 0:01876 6:02% 0:19306 4:29399 1:27932 0:00187 0:0028	0 0.003 0.51665 0.00003 0.5006 0 0 0.003 0.51665 0.00064 0.0036 0	0.012 0.04796 1006.51 6268.67 0 0.87932 11.3887 0.012 0.04796 1070.4 1789.79 0 0.00018 0.00778	0 0.20478 0.8702 0 0.01348 0.14372 0 0 0 0 0 0 0 0.01368 0.24378 0 0.00374 0.1664 0 0 0	0 0.0018 11.021 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 106 131889 174619 0 0 0 0 1 022 038481 7.08621 0 0.00034 0.00891 0
Re- Amer A 2025 No Inside Delivery Class 7 Re- Amer A 2025 No Inside Delivery Class 7 Re- Amer A 2025 No Inside Delivery Class 7	2028 Agengtir Embridy 0.66913917 14.0905 0.00% 0 24.0905 9.26295 2028 Agengtir Natural De 0.0899177 3.10569 0.00% 2.00569 0 1.8614 2024 Agengtir Natural De 0.0899177 3.10569 0.00% 2.00569 0 1.8614	6.00% 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0.00 0.00000 0 0 0 0 0.000 0.00000 0.0000 0	0.012 0.02178 0 0 0 0 0 0.012 0.02170 1006.11 628867 0 0.7732 11.3887	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 1 100 111100 174100 0 0 0 0 0
Bar Area A 2025 To Instale Trades Class 7 Bar Area A 2025 To Instale Trades Class 7	2014 Agregán Nahval Ga 0.64972045 26.1817 0.00% 26.1817 0 5.62997 2015 Agregán Direct 227.15997 6270.73 0.11% 6275.73 0 1286.79	0.00% 0.38273 5.74083 0 0.00045 0.00017 0.31% 0.34203 12.3338 1.65364 0.00551 0.00347	0 0.00% 0.01%7 0.00049 0.01107 0 0 0.00% 0.01%7 0.00047 0.000%8 0	0.012 0.0488 918.55 4178.66 0 0.55531 17.4142 0.012 0.0488 1182.64 2298.68 0 0.0008 0.00831	0 G.IMBER CANLES O G.GOTHS G.JAMES G O O O O G.IMBER G.SILERS O G.GORDO G.ITMET G O O	0 038670 17.7725 0 0 0 0 0 0.00728 0.20163 0 0 0	1 106 2.81449 17.7218 0 0 0 0 0 022 0.040 7.57625 0 0.0112 0.02121 0
Rev Area A 3035 To Installe Tradition Class 7 See Area A 3035 To Installe Tradition Class 7	2015 Agregat Noted 1.11957579 65.3151 0.00% 65.3151 0.12.825 2016 Agregat Deck 156.329686 8227.77 0.41% 8227.77 0.1553.85	0.00% 0.35075 5.74083 0 0.00045 0.00017 0.39% 0.35841 30.5538 1.86768 0.00344 0.00347	0 0.003 0.0137 0.00049 0.01107 0 0 0.003 0.0137 0.0036 0.00268 0	0.012 0.0488 918.55 6178.68 0 0.55531 17.6162 0.012 0.0488 1182.66 2298.68 0 0.00029 0.00831	0 0.38880 0.85285 0 0.00783 0.36883 0 0 0 0 0.38833 0.85285 0 0.00624 0.37887 0 0 0	0 0.56870 17.7725 0 0 0 0 0 0.5075 0.30565 0 0 0	1 106 2.81489 17.7218 0 0 0 0 1 022 0.04799 7.51625 0 0.0112 0.02121 0
Bar Area A 2025 To Installe Teature Class 7 Bar Area A 2025 To Installe Teature Class 7	2017 Aggregate Daniel RE2562619 586285 0.28% 586285 0.1000.27 2017 Aggregate National Gas 6.875895135 627.678 0.20% 647.678 0.80.6138	0.26% 0.36992 10.3538 1.86768 0.00338 0.00287 0.02% 0.35275 5.74063 0 0.00094 0.00057	0 0.001 0.017 0.0011 0.0018 0 0 0.001 0.017 0.0001 0.01107 0	0.012 0.04686 1217.91 2154.79 0 0.00038 0.00831 0.012 0.04686 925.322 000348 0 0.6248 17.4142	0 0.17928 0.19949 0 0.00008 0.17887 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0.0000 0.30383 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 022 0.00864 7.37625 0 0.00078 0.0306 0 0 1 100 2.85779 17.7258 0 0 0 0
Bay Area A 2025 TS Institute Class 7 Bay Area A 2025 TS Institute Class 7	2018 Agregate Dated 51.0016295 5650.52 0.17% 5650.53 0 596.085 2018 Agregate National De 25519918 171.566 0.01% 171.566 0 29.505	0.15% 0.54248 10.5538 1.86768 0.00128 0.00167 0.01% 0.05172 5.31279 0 0.00148 0.00017	0 0.003 0.0157 0.00842 0.00268 0 0 0.003 0.0157 0.0058 0.02181 0	0.012 0.04686 1100.18 2154.79 0 0.00027 0.00831 0.012 0.04686 969.063 5073.64 0 0.4976 12.2422	0 0.17585 0.19949 0 0.00587 0.17887 0 0 0 0 0 0 0.00785 1.03629 0 0.00987 0.17692 0 0 0	0 0.0068 0.3388 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 022 0.04513 7.57625 0 0.05044 0.0204 0 0 1 1 1 0 0 2.67137 40.2521 0 0 0 0
mar ners n. 2025 Millerbilde Toutler-Class 7 Rev Area A 2025 Millerbilde Toutler-Class 7 Rev Area A 2025 Millerbilde Toutler-Class 7	2012 Agenyair Deniel 23.3420001 582.41 0.200 1692.41 0.004.87 2013 Agenyair Deniel 23.3382845 1609.72 0.000 1609.72 0.265.028 2013 Agenyair Nahouf do 0.4356677 20.669 0.000 10.669 n. n.n.n.	0.07% 0.3287 33.558 1.86768 0.0038 0.00367 0.07% 0.3287 33.558 1.86768 0.0038 0.00367 0.00% 0.05176 5.32178 0 0.00148 0.00***	0 0.001 0.0117 0.00113 0.0018 0 0 0.001 0.0117 0.00123 0.0028 0 0 0.001 0.0117 0.0018 0.02181 4	0.012 0.0488 100.18 218.79 0 0.00038 0.0081 0.012 0.0488 100.18 218.79 0 0.00038 0.0081 0.012 0.0488 989.68 5078.64 0 0.0038 *******	0 0.0585 0.1969 0 0.00583 0.17827 0 0 0 0 0.1785 0.1969 0 0.00583 0.1787 0 0 0 0 0.07878 1.0329 0 0.00987 0.17892 0 ^ ^	0 0.00617 0.30163 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	* *** ********* 0.0004
Bar Area A 2025 Till Inciden Traction Class 7 Bar Area A 2025 Till Inciden Traction Class 7	2021 Agençair Direct 28.8041519 2281.65 0.21% 2281.65 0.565.725 2021 Agençair Natural Car C.86589783 68.1582 0.00% 68.1582 0.6.83867	0.09% 0.31141 30.3536 1.86766 0.00297 0.00367 0.00% 0.05148 5.32173 0 0.00145 0.0007	0 0.001 0.0117 0.0011 0.00218 0 0 0.001 0.0117 0.00118 0.02181 0	0.012 0.04486 971.598 1948.78 0 0.00034 0.00811 0.012 0.04486 876.414 6188.57 0 0.6976 12.2422	0 0.1517 0.80708 0 0.00186 0.17887 0 0 0 0 0 0 0 0.17888 0.90841 0 0.00987 0.17892 0 0 0	0 0.005MM 0.305M3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 022 0.08979 7.87625 0 0.00934 0.00865 0 0 108 2.87187 00.2821 0 0 0
Bar Area A 2023 To be table Touter-Class 7 Bar Area A 2023 To be table Touter-Class 7 Bar Area A 2023 To be table Touter-Class 7	2012 Agençair Daniel 23.4917265 2004.55 0.100 2016.55 0 296.996 2012 Agençair Natural D. 64597874 SEASS 0.000 SEASS 0 541795 2013 Agençair Daniel 41.8068027 Natura A 7170 Anna Anna A	DON 0.017 1.3179 0 0.0045 0.0007 0.000 0.017 1.3179 0 0.0045 0.0007 0.170 0.7718 30.338 1.84744 0.0045 0.00	0 0.001 0.0117 0.00298 0.00288 0 0 0.001 0.0117 0.00288 0.02181 0 0 0.001 0.0117 0.00778 0.00788	0.002 0.0000 978.598 1968.79 0 0.00038 0.00831 0.02 0.0000 878.514 6188.57 0 0.0978 12.022 0.022 0.00000 978.598 1068.79 0 0.0078 7	0 0.0040	0 071195 13.0941 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 020 020783 7.87625 0 0.00936 0.00865 0 0 108 2.87187 00.3831 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Bay Area A 2025 Till Inciden Class 7 Bay Area A 2025 Till Inciden Class 7	2013 Agençaio Natural da 0.79078562 45.3655 0.000 65.5655 0.91.6168 2014 Agençaio Deset 12.865860 123178 0.000 110176 0.16163	0.00% 0.0517 5.33173 0 0.00143 0.00017 0.00% 0.35097 30.3538 1.86768 0.00345 0.00347	0 0.003 0.0137 0.00146 0.02185 0 0 0.003 0.0137 0.00046 0.00258 0	0.012 0.04888 878.414 6188.57 0 0.6978 13.3422 0.012 0.04888 926.779 1878.41 0 0.0002 0.00831	0 0.13886 0.8861 0 0.0047 0.17892 0 0 0 0 0.14800 0.28884 0 0.00429 0.17887 0 0 0	0 0.71195 13.6941 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 106 247137 603521 0 0 0 0 1 022 08299 7.57625 0 0.00878 082779 0
Bar Area A 2025 Till Incidde Traction Class 7 Bar Area A 2025 Till Incidde Traction Class 7 Bar Area A 2025 Till Incidde Traction Class 7	2016 Agregate Electricity 0.58017678 68.561 0.00% 0 68.361 6.47562 2016 Agregate Natural D. 20176679 20.8786 0.00% 20.8786 0 288663 2015 Agregate Dept. 51.504602 March A. 1556 88.4586	0.00% 0 0 0 0 0 0 0.00% 0.00178 0.01179 0 0.00149 0.00017 0.10% 0.19139 4.00209 1.00789 0.00743 0.00747	0 0.001 0.00781 0 0 0 0 0 0.001 0.0117 0.0018 0.02181 0 0 0.001 0.0117 0.00081 0.00788	0.012 0.02368 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 0 0 0 0 0 0 0 0 0 0 0 0 1 1 1 1 1 1 1
Bar Ama A 2025 To Installe Facility Class 7 Bar Ama A 2025 To Installe Facility Class 7	2025 Aggregate Electricity 2.367968589 186.756 0.0215 0 196.756 25.0617 2025 Aggregate National Co. 6.6170726 57.647 0.005 57.647 0 7.43816	0.01% 0 0 0 0 0 0 0.00% 0.0517 5.32178 0 0.00145 0.02017	0 0.003 0.00785 0 0 0 0 0 0.003 0.0137 0.0018 0.02185 0	0.012 0.02265 0 0 0 0 0 0 0.012 0.04666 853.727 4686.55 0 0.6976 12.2422	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0,71195 12,6941 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 1 100 24F117 40.2521 0 0 0 0
Bar Area A 2025 Til Institut Tractor Class 7 Bar Area A 2025 Til Institut Tractor Class 7	2028 Agregate Deset 8.08288304 301.000 0.02% 321.000 0 913.517 2028 Agregate Destroity 0.75023757 28.516 0.00% 0 28.516 8.77879	0.02% 0.1478 4.81884 1.86034 0.00227 0.00367 0.00% 0 0 0 0 0	0 0.001 0.0018 0.0018 0.0018 0 0 0.001 0.00781 0 0 0	0.012 0.04486 927.497 1879.86	0 0.14418 0.79617 0 0.00961 0.17887 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0	1 0.23 0.02777 7.57625 0 0.00878 0.0278 0 1 0 0 0 0 0 0 0 0
Bar Ame A 2025 TO COS Class 6 Bar Ame A 2025 TO COS Class 6	2014 Agregar David 0.8188023 29.1861 0.00% 29.1861 0 18.8128 2015 Agregar David 1.8640128 03.3090 0.00% 49.3090 0 29.3167	COOK 021328 2.815 0.6896 0.0065 0.0008 C21% 0.268 2.815 0.6896 0.0081 0.0008	0 0.001 0.01481 0.0081 0.00071 0 0 0.001 0.01481 0.0082 0.00071 0	0.012 0.04281 1232.31 417.835 0 0.00029 0.0029 0.012 0.04281 1232.31 417.835 0 0.00028 0.00229	0 0.1928 0.09731 0 0.00428 0.0483 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0.0000 0.0600 0 0 0	0 022 0.00157 2.08895 0 0.00157 0.00585 0 0 022 0.00004 2.08895 0 0.00157 0.00585 0
Rev Area A 3035 TO COSCIAN 6 Bar Area A 3035 TO COSCIAN 6	3016 Agregar David 2.39088096 90.3271 0.00% 90.1071 0 93.548 3017 Agregar David 2.36073814 98.3954 0.00% 98.2954 0 91.4822	0.01% 0.3466 2.835 0.8013 0.00183 0.0008 0.01% 0.34002 2.835 0.4013 0.00171 0.00088	0 0.003 0.01481 0.00009 0.00071 0 0 0.003 0.01481 0.00007 0.00071 0	0.012 0.04281 1222.81 617.835 0 0.00027 0.00229 0.012 0.04281 1176.1 594.285 0 0.00027 0.00229	0 0.3838 0.08783 0 0.0059 0.0883 0 0 0 0 0 0 0.0883 0.08888 0 0.00578 0.08883 0 0 0	0 0.00875 0.05838 0 0 0 0	0 022 0.0023 2.08895 0 0.00117 0.00185 0 0 022 0.02948 2.08895 0 0.00134 0.00545 0
Bar Ame A 2025 TO COS Class 6 Bar Ame A 2025 TO COS Class 6	2019 Aggregate David 4.4179093 217.951 0.01% 217.951 0.105.505 2023 Aggregate David 4.41898877 217.723 0.01% 217.733 0.304.88	0.01% 0.2282 2.835 0.80128 0.00145 0.0008 0.01% 0.2282 2.835 0.80128 0.0053 0.0008	0 0.001 0.01481 0.0049 0.00071 0 0 0.001 0.01481 0.0014 0.00071 0	0.012 0.04181 1176.1 594.283 0 0.00028 0.00229 0.012 0.04181 1176.1 594.283 0 0.00028 0.00229	0 0.1818 0.08888 0 0.00082 0.08838 0 0 0	0 0.00438 0.08438 0 0 0 0	0.00 0.00 0.00 0 0.00 0 0.00 0 0 0.00 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Rev Area A 2025 TO COSCIAN 6 Rev Area A 2025 TO COSCIAN 6	2021 Agregar Dend 4.37393061 298.797 0.01% 299.797 0 100.512 2022 Agregar Dend 4.7086882 271.038 0.01% 271.038 0 108.205	0.01% 0.31998 2.855% 0.80129 0.00514 0.00088 0.03% 0.30481 2.855% 0.80129 0.00687 0.00088	0 0.003 0.01481 0.00537 0.00071 0 0 0.003 0.01481 0.0052 0.00071 0	0.012 0.04291 1085.66 517.666 0 0.00025 0.00229 0.012 0.04291 1085.66 517.666 0 0.00022 0.00229	0 0.18788 0.08688 0 0.00521 0.08833 0 0 0 0 0 0 0 0.08788 0.08688 0 0.00479 0.08833 0 0 0	0 0.0017 0.05616 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 022 0.02549 2.08895 0 0.00007 0.00509 0 0 022 0.02457 2.08895 0 0.00007 0.00509 0
Ban Ame A 2025 TO COSCIAN 6 Ban Ame A 2025 TO COSCIAN 6 Ban Ame A 2023 TO COSCIAN 6	2011 Agengas Denel 4.87020882 281.88 0.21% 281.83 0.107.61% 2014 Agengas Denel 4.61810518 279.818 0.21% 279.818 0.10.997 2013 Agengas Denel 2.60977991 271.883 0.21% 271.883 0.108.971	DGIN 0.1931 2.815 0.8013 0.004 0.0008 DGIN 0.1992 2.815 0.8013 0.0041 0.0008 DGIN 0.1608 2.815 0.8013 0.0041 0.0008	0 0.001 0.01481 0.0001 0.00071 0 0 0.001 0.01481 0.0081 0.00071 0 0 0.001 0.01481 0.0081 0.00071 0	0.012 0.04191 2001.06 197.066 0 0.0001 0.00129 0.012 0.04191 981.164 090.793 0 0.0002 0.00129 0.012 0.04191 981.164 090.793 0 0.00029 0.00129	0 0.1678 0.0327 0 0.0043 0.0833 0 0 0 0 0.168 0.0327 0 0.0043 0.0833 0 0 0 0 0.168 0.0327 0 0.0068 0.0833 0 0	0 0.0013 0.0613 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0.33 0.03389 3.08899 0 0.00007 0.00009 0 0 0.33 0.03283 2.08899 0 0.00983 0.0047 0 0 0.33 0.03082 2.08899 0 0.00983 0.0047
Rev Area A 2025 TO COSCIAN 6 Rev Area A 2025 TO COSCIAN 7	2016 Agengar Dend 0.88280863 26.8821 0.00% 26.8821 0 22.3388 2016 Agengar Dend 1.82762597 606.062 0.02% 606.062 0 61.8988	0.01% 0.12961 2.855 0.80129 0.0042 0.0008 0.01% 0.2702 2.855 0.86968 0.00657 0.00088	0 0.003 0.01481 0.00139 0.00071 0 0 0.003 0.01481 0.00887 0.00071 0	0.012 0.04291 983.164 696.793 0 0.00018 0.00229 0.012 0.04291 1180.79 617.635 0 0.00032 0.00229	0 0.1549 0.07827 0 0.00279 0.04833 0 0 0 0 0 0 0 0.08800 0.08731 0 0.00488 0.04833 0 0 0	0 0.00011 0.05616 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 022 0.01841 2.08895 0 0.00921 0.0047 0 0 022 0.08519 2.08895 0 0.05128 0.0585 0
Bar Ame A 2025 TO COS Class 7 Bar Ame A 2025 TO COS Class 7 Bar Ame A 2025 TO COS Class 7	2011 Agregate Dened 4.58817837 908-011 0.51% 908-015 0 91.4851 2018 Agregate Dened 4.1871849 981.729 0.51% 981.719 0 98.3863	037% 038871 23855 0.88885 0.00088 0.00088 037% 0.3286 23855 0.80235 0.00088 0.00088	0 0.003 0.01481 0.00474 0.0071 0 0 0.003 0.01481 0.0042 0.0071 0	0.012 0.04191 1180.79 417.815 0 0.00011 0.00229 0.012 0.04191 1180.79 417.815 0 0.0002 0.00229	0 0.18601 0.09711 0 0.00013 0.08811 0 0 0	0 0.00748 0.00438 0 0 0 0	0 033 0.0040 2.08890 0 0.0013 0.0048 0 0 033 0.0180 2.08890 0 0.0013 0.00180 0
No. Ame A 3035 TO COSCIAN 7 Bay Ame A 3035 TO COSCIAN 7	3018 Agregate Dated: 4.30932179 NRS.R79 0.01% NRS.R79 0 96.7255 3019 Agregate Dated: 8.30568511 1500.01 0.08% 1500.01 0 162.808	0.01% 0.35275 2.8555 0.80529 0.00605 0.00088 0.01% 0.34581 2.8555 0.80529 0.00588 0.00088	0 0.001 0.01481 0.00831 0.00071 0 0 0.001 0.01481 0.00813 0.00071 0	0.012 0.04191 1112.56 5942.88 0 0.00029 0.00229 0.012 0.04291 1112.56 5942.88 0 0.00028 0.00229	0 0.37535 0.08565 0 0.00616 0.0853 0 0 0 0 0 0 0 0.37535 0.08665 0 0.00594 0.0853 0 0 0	0 0.00700 0.06636 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 022 0.0016 2.08895 0 0.0003 0.00985 0 0 022 0.00064 2.08895 0 0.0003 0.00985 0
Bandow A 3035 To COSCIAN 7 Bandow A 2035 To COSCIAN 7 Bandow A 2035 To COSCIAN 7	2023 Agregate Denel 8.56274612 1656.45 0.08K 1656.45 0.152.746 2021 Agregate Denel 6.750568 1268.2 0.09K 1748.82 0.156.668 2021 Agregate Denel 6.750568 1268.2 0.09K 1748.82 0.156.668	0.00% 0.20831 2.8555 0.60139 0.00167 0.00068 0.00% 0.20933 2.8555 0.60139 0.00164 0.00068 0.00% 0.2083 2.8555 0.60139 0.00064 0.00068	0 0.001 0.01481 0.0092 0.00271 0 0 0.001 0.01481 0.00171 0.00271 0	0.012 0.04191 1112.06 5942.05 0 0.00036 0.00229 0.012 0.04191 984.61 517.666 0 0.00028 0.00229	0 0.17126 0.00165 0 0.00169 0.01813 0 0 0	0 0.00438 0.05438 0 0 0 0	1 0.22 0.02918 2.08895 0 0.00058 0.00545 0 1 0.22 0.02782 2.08895 0 0.00932 0.00509 0
* * * 2025 TH DOSCION 7							
Bay Area A 2025 TS DOS Class 7	2023 Agregate Decel 5.06735523 1417.39 0.07% 1417.39 0 116.448 2024 Agregate Decel 6.7676122 1395.04 0.07% 1395.04 0 109.56	0.01% 0.20643 2.8355 0.80129 0.00803 0.00088 0.01% 0.39041 2.8355 0.80129 0.00675 0.00088	0 0.003 0.01481 0.00523 0.00071 0 0 0.003 0.01481 0.00097 0.00071 0	0.012 0.04291 986.81 517.666 0 0.00022 0.00229 0.012 0.04291 896.845 696.793 0 0.00021 0.00229	0 0.15518 0.0868 0 0.00481 0.08818 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0.00585 0.05626 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0.22 0.02455 2.08895 0 0.00932 0.00039 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Bay Anna A 2025 TO COSCIANO 7	2011 Agregate Deniel 5.02/981271 1217.38 0.27% 1217.39 0.114.025 2024 Agregate Deniel 2/12/9127 128/821 0.00% 128/821 2024 Agregate Deniel 2/22/9127 128/821 0.00% 128/821 0.00% 0.00% 2024 Agregate Deniel 1.72/87818 22/8/22 0.23% 128/822 0.38/828	CORN 030641 2.8353 0.6013 0.0050 0.00088 CORN 038011 2.8353 0.6013 0.0053 0.0008 CORN 03861 2.8353 0.6013 0.0069 0.0008 CORN 03807 2.8853 0.6013 0.0049 0.0008	0 0.001 0.01481 0.00031 0.00031 0 0 0.001 0.01481 0.00097 0.00031 0 0 0.001 0.01481 0.00099 0.00031 0 0 0.001 0.01481 0.0019 0.00031 0	0.012 0.04291 NREAS NITAGE 0 0.00032 0.00329 0.013 0.04291 NREAS 008.793 0 0.00031 0.00329 0.013 0.04291 NREAS 008.793 0 0.00039 0.00329 0.013 0.04291 NREAS 008.793 0 0.00032 0.00329 0.013 0.04291 NREAS 008.793 0 0.00032 0.00329	0 0.1511 0.00468 0 0.00481 0.00481 0 0 0 0 0 0 0 0.1511 0.07527 0 0.00481 0.08831 0 0 0 0 0 0.1511 0.07527 0 0.00481 0.08831 0 0 0 0 0.1511 0.07527 0 0.00481 0.08831 0 0 0 0 0.04481 0.07527 0 0.00481 0.08831 0 0 0 0 0.04481 0.07527 0.0752	0 0.00583 0.00618 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0.22 0.02483 7.08894 0 0.00913 0.00909 0 0 0.00913 0.00909 0 0 0.00913 0.00909 0 0 0.00913 0.00909 0 0 0 0.00913 0.00909 0 0 0 0.00913 0.00913 0.00913 0 0.00913 0.00913 0 0.00913 0.00913 0 0.00913 0.00913 0 0.00913 0.00913 0 0.00913 0.00913 0 0.00913 0
Ban Amer A. 2023 N. COST Claim 7 No. COS	2012 Agenquie David 1.545/33217 1417.39 0.27% 1417.39 0 118.456 2014 Agenquie David 4.757121 1318.64 0.27% 1417.39 0 118.456 2014 Agenquie David 4.7277.21 1318.64 0.00% 1208.13 0 0.395.86 2014 Agenquie David 4.7277.21 1218.64 0.00% 1208.13 0 0.395.86 2014 Agenquie David 4.7277.21 1218.64 0.00% 1208.13 0.00% 1	0.01% 0.30612 2.8333 0.0013 0.0010 0.00088 0.01% 0.30611 2.8333 0.0013 0.0015 0.00088 0.01% 0.1882 2.8333 0.0013 0.0048 0.00088 0.01% 0.1807 2.8333 0.0013 0.0004 0.0008 0.01% 0.1807 0.0818 0.0818 0.0008 0 0.000 0.01% 0.0013 0.0818 0.0818 0.0010 0 0.000 1.10% 0.0913 0.0818 0.3188 0.0010 0 0.000	0 0.035 0.01481 0.00312 0.00311 0 0 0.035 0.01481 0.00371 0.00371 0 0 0.035 0.01481 0.00097 0.00371 0 0 0.035 0.01481 0.00097 0.00371 0 0 0.035 0.01481 0.00088 0.00371 0 0 0.035 0.01481 0.00088 0.00371 0 0 0.035 0.01370 0.00011 0 0.003318 0 0.035 0.035 0.03570 0.00011 0 0.003840	0017 060191 888.61 837.466 0 0.00033 0.00339 0017 060191 888.60 644.791 0 0.00031 0.00339 0017 060191 888.60 644.791 0 0.00030 0.00339 0017 060191 888.60 644.791 0 0.00030 0.00339 0017 060192 1601.80 837.318 0.37310 0.00031 0.07483 0.0 0017 060193 1601.80 837.318 0.37310 0.00031 0.37483 0.0 0017 060193 1601.80 837.318 0.37310 0.00160 0.37483 0.0	0 0.00	0 00088 006818 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	623 6240 208894 0 00981 00099 0 0 0 0 0 0 0 0
Reviews A 2023 % COCICION 7 Reviews A 2023 % CICICION 7 Re	2013 Agenge Deel 1,511312 151731 2573 1573 1573 1573 1573 1573 1573 1573 1	0.01M 0.03641 2.8335 0.80527 0.00505 0.00084 0.0018	0 0.003 0.0145 0.0001 0.001 0 0 0 0 0 0 0 0 0 0 0 0 0	0012 064211 894.01 877.04 0 000022 06229 0	0 2011 0 0004 0 00041 2 0001 0 001 0 0 0 0 0 0 0 0 0 0 0 0 0	0 00008 000434 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	22 CATEGOR SAND CONTROL CONTRO
Ten Senie A 2023 N COCCION 7 Ten Senie A 2023	201 Agaye	CONT. 0.20041 2.8333 0.0012 0.0004 0.0008 0.0002 0.0008 0.0008 0.0008 0.0002 0.0008 0.0008 0.0008 0.0002 0.0008 0.0008 0.0008 0.0008 0.0002 0.0008 0.0	0 000 01444 00001 02001 02001 00001 00001 0100	0.001 0.0011 0.001 0.0	0 2011 CORR 0 0 0 0 0 0 0 0 0	0 0.000 0.0010 0 0 0 0 0 0 0 0 0 0 0 0 0	1
See See 2 100 COCCION 7 10 COCION 7 10 COCCION 7 10 COCCION 7 10 COCCION 7 10 COCCION 7 10 COCION 7 10 COCCION 7 10 COCCION 7 10 COCCION 7 10 COCCION 7 10 COCION 7 10 COCCION 7 10 COCCION 7 10 COCCION 7 10 COCCION 7 10 COCION 7 10 COCCION 7 10 COCCION 7 10 COCCION 7 10 COCCION 7 10 COCION 7 10 COCCION 7 10 COCCION 7 10 COCCION 7 10 COCCION 7 10 COCION 7 10 COCCION 7 10 COCCION 7 10 COCCION 7 10 COCCION 7 10 COCION 7 10 COCCION 7 10 COCCION 7 10 COCCION 7 10 COCCION 7 10 COCION 7 10 COCCION 7 10 COCCION 7 10 COCCION 7 10 COCCION 7 10 COCION 7 10 COCCION 7 10 COCCION 7 10 COCCION 7 10 COCCION 7 10 COCION 7 10 COCCION 7 10 COCCION 7 10 COCCION 7 10 COCCION 7 10 COCION 7 10 COCCION 7 10 COCCION 7 10 COCCION 7 10 COCCION 7 10 COCION 7 10 COCCION 7 10 COCCION 7 10 COCCION 7 10 COCCION 7 10 COCION 7 10 COCCION 7 10 COCCION 7 10 COCCION 7 10 COCCION 7 10 COCI	201 Appen Dec 1977 1277 1	Color Colo	0	201 05011 NASI 15154 0 0002 500200000000	1 10 10 10 10 10 10 10	0 2000 00000 0 0 0 0 0 0 0 0 0 0 0 0 0	1
1965 1965	201 Agent Sent 1912 1912 1912 1912 1912 1912 1912 191	STATE CAMPA CAMPA SALES SALE	2	200 200	1 1 1 1 1 1 1 1 1 1	2 0 0000 00001 0 0 0 0 0 0 0 0 0 0 0 0 0	1
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March Marc	1	1	1	1	1	1	1
March Marc	1	1	1			1	1
March Marc	1	1	1		1	1	1
Manufacture (1997) Manufa	1	1	1	1	1	1	1
March Marc	1	1	1		1	1	1
March Marc	1	1	1	1	1	1	1
March Marc	1	1	1		1	1	1
March Marc	1	1	1		1	1	1
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March Marc	1	1	1		1	1	1
March Marc	1	1	1		1	1	1
March Marc	1	1	1		1	1	1
March Marc	1	1	1		1	1	1
March Marc	1896	1	1		1	1	1

Calmidar	Ned	NO. BUY NO. ISLE NO. ISSE PAGE 8 PAGE ID PAGE ISSE	PMGAT PMGAT PMGG NU PMGG IQ	MIG F PMIG F COJ KIN COJ IDLE COJ ITKE CHE KIN DHE IDLE	ON THE NOON INDICATE NOON IN	NOS PLIN. NOS IDLE NOS ISPE NOS HOT NOS PLIN. NOS DU	TOO RUN TOO DUE TOO STAY TOO HOT TOO RUN TOO DUR	NOR MAN CO MANS NOW NOW NOW NOW
Resion Vew Vehicle Calmony N=- A A 3336 Till Inside Delivery Class 6	Year Samed Fuel Population Sold SEET SOUT CVSET EAST Since 2014 Aggregate David 2014/50814 9314/75 0.43% 9314/75 0.4374.	NTMPS DX X X UNDX LEX X OS 104N 044835 843382 143235 0.00205 0.0025 0	MTW MBW NEX UK PMS0 1750K N 0.003 0.01445 0.0021 0.0024 0	#TW MWW DE X X DE X 0.012 0.04756 1245.95 2085.53 0 0.0008 0.00778	X NEX X EX E 0 0.3965 0.53825 0	EK X X NOM 1005 MN 0.0063 0.1664 0 0 0 0	EX X X 108X 1085 N 0.00743 0.18945 0 0 0 0	EX X CO INLEX CO UMBX EX X NO. UMBX 0.22 0.01681 7.04621 0 0.0118 0.01978 0
Bar Anna A 2028 To Inside Delivery Class 6 Bar Anna A 2028 To Inside Delivery Class 6	2013 Aggregate National Co. 2.40999235 N.J.718 0.00% 76.7718 0.3635. 2016 Aggregate David 2.40999235 N.J.718 0.00% 76.7718 0.3645.7 0.1879	00 0.01N 0.3994 5.5002 0 0.0009 0.0096 0 67 2.86N 0.5966 9.8339 1.83779 0.0096 0.0003 0	0.003 0.01445 0.0000 0.0029 0 0.003 0.01445 0.0000 0.0024 0	0.012 0.04756 1206.87 1887.16 0 0.706.77 16.2002 0.012 0.04756 1245.85 2085.83 0 0.00029 0.00778	0 0.21500 0.79248 0 0 0.2963 0.3963 0.32823 0 0	0.0000 0.0000 0 0 0 0 0 0 0 0 0 0 0 0 0	0 074172 163134 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	100 13657 166681 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Bay Area A 2006 TS Inside Delivery Class 6 Bay Area A 2006 TS Inside Delivery Class 6	2017 Agregate Direct 782.879043 241888 1.17% 241888 0 10000 2018 Agregate Direct 472.718822 18820.4 0.70% 15820.4 0 4705.	09 253% 0.42956 9.83382 1.83779 0.00191 0.0025 0 88 1.83% 0.42168 9.83382 1.83779 0.00187 0.0025 0	0.003 0.01445 0.003 0.0034 0 0.003 0.01445 0.0004 0.0034 0	0.012 0.04796 1198.84 2004.57 0 0.00028 0.00775 0.012 0.04796 1198.84 2004.57 0 0.00028 0.00775	0 0.18888 0.51582 0 0	0.00618 0.1664 0 0 0 0 0.00998 0.1664 0 0 0 0	0 0 0 0 0 0 18943 0 0 0 0 0 0 0	022 0.08355 7.0821 0 0.0125 0.02898 0 022 0.08228 7.0821 0 0.0125 0.02898 0
Bar Ama A 2006 TO Installe Delivery Class 6 Bar Ama A 2006 TO Installe Delivery Class 6	2019 Agengia David 922.659274 527992 1.54N 51799.2 0 15146 2021 Agengia David 122.637522 6250.78 0.21N 6255.76 0 1755.	64 110N 0.41223 981382 1.82779 0.00183 0.0025 0 62 0.41N 0.62282 981382 1.82779 0.00179 0.0025 0	0.003 0.01445 0.00092 0.0036 0 0.003 0.01445 0.00187 0.0036 0	0.012 0.04756 1198.84 2004.57 0 0.00037 0.00778 0.012 0.04756 1198.84 2004.57 0 0.00036 0.00778	0 0.18888 0.1182 0	0.00181 0.1864 0 0 0 0 0.00182 0.1864 0 0 0 0	0 00040 0.18945 0 0 0 0 0	0.22 0.00000 7.00021 0 0.00181 0.00088 0 0.22 0.00000 7.00021 0 0.00181 0.00088 0
Bar Ama A 2026 TS Instale Delivery Class 6 Bar Ama A 2026 TS Instale Delivery Class 6 Bar Ama A 2026 TS Instale Delivery Class 6	2021 Agregate Debet 11.821613 02074 0.000 020741 0.2450 2021 Agregate Debet 11.821613 02072 0.200 02082 0.1818	00 0310 020914 481077 0 0.00136 020576 0 82 0.000 0.39 843182 143779 0.00176 0.0023 0	0 200.0 CERCO CACCO CALCO COCO.0	0.023 0.04796 1110.7 4798.91 0 0.87932 11.8887 0.023 0.04796 1288.28 1812.92 0 0.00028 0.00078	0 0.2342 0.94219 0 0 0 0.23441 0 0 0.23441 0 0 0.23441 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.00140 0.16077 0 0 0 0 0.00140 0.1664 0 0 0 0	0 0.0012 11.031 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	136 131389 17-609 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Bar Area A 2006 TS Installe Delivery Class 6 Bar Area A 2006 TS Installe Delivery Class 6	2022 Agregate Dated 125.40062 476741 0.255 476741 0.1790. 2022 Agregate Natural Co. 179778882 68.3359 0.005 68.3359 0.2165	06 0.61% 0.37974 8.81383 1.83779 0.00169 0.0023 0 77 0.01% 0.059%1 4.95072 0 0.00188 0.01876 0	0.003 0.01445 0.00176 0.0036 0 0.003 0.01445 0.00003 0.0006 0	0.012 0.04756 1086.29 1812.92 0 0.00036 0.00775 0.012 0.04756 1006.51 4268.67 0 0.87832 11.3887	0 0.37082 0.38185 0 0 0.20678 0.8702 0	0.00521 0.1664 0 0 0 0 0.01348 0.16272 0 0 0 0	0 0.00500 0.16945 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.22 0.045 7.0821 0 0.00027 0.02717 0 100 1.81889 17.4619 0 0 0
Bay Area A 2026 TS Installe Delivery Class 6 Bay Area A 2026 TS Installe Delivery Class 6	2021 Aggregate Direct \$19.768778 14165.4 0.68% 14165.4 0.5151. 2023 Aggregate Natural On 5.35658815 205.009 0.01% 205.009 0.7558	.59 123% 0.54854 9.83382 1.83779 0.0034 0.0028 0 127 0.03% 0.05982 4.95672 0 0.00188 0.01876 0	0.003 0.01445 0.00087 0.0034 0 0.003 0.01445 0.00003 0.0004 0	0.012 0.04756 1086.28 1812.83 0 0.00028 0.00778 0.012 0.04756 1006.51 6268.67 0 0.87822 11.8887	0 0.17082 0.28165 0 0 0.20678 0.8702 0	0.00498 0.1604 0 0 0 0 0.01348 0.16272 0 0 0 0	0 0.00567 0.18965 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.22 0.06352 7.06821 0 0.00027 0.01717 0 1.06 3.81889 37.4659 0 0 0 0
Bay Area A 2006 TS Instate Delivery Class 6 Bay Area A 2006 TS Instate Delivery Class 6	2016 Agençair Daniel 214.011525 E737.68 0.42% E737.68 0 5053. 2016 Agençair Embridy 18.1379127 760.52 0.05% 0 742.52 258.8	86 0.78% 0.32908 9.83383 1.83779 0.00155 0.0025 0 DB 0.00% 0 0 0 0 0 0	0 200.0 C4000.0 R4425.0 E00.0 0 0 CE800.0 E00.0	0.012 0.02756 10713 1791.63 0 0.00032 0.00778 0.012 0.02378 0 0 0 0 0	0 0 0 0 0	0.00474 0.1664 0 0 0 0	0.0014 0.18945 0 0 0 0	0.33 0.04143 7.04821 0 0.00025 0.00897 0 0
Bay Area A 2026 To Inside Delivery Class 6 Bay Area A 2026 To Inside Delivery Class 6	2021 Agregate Desiriols 27.79%868 12827.7 0.62% 12627.7 0.62%2. 2023 Agregate Desiriols 22.552566 1278.27 0.07% 0.1278.27 066.5	44 131N 0.068 4.0889 1.30218 0.00149 0.0028 0	0.001 0.01481 0.0000 0.0014 0 0.001 0.00812 0 0 0	0.012 0.00756 1075.07 1795.16 0 0.0021 0.0027 0.0022 0.02378 0 0 0 0 0	0 0.10938 0.20284 0	0.00409 0.1864 0 0 0 0	0 0 0 0 0 0	0.22 0.0902 7.08021 0 0.00027 0.017 0 0 0 0 0 0 0 0 0 0
Bay Area A 2006 To Instale Delivery Class 6 Bay Area A 2006 To Instale Delivery Class 6	2035 Agregate Natural Co. 6.37182061 180.987 0.01N 180.887 0 60.8% 2036 Agregate Denic 196.278872 8550.89 0.61N 8550.99 0 2772	13 0.01N 0.00913 4.91073 0 0.00188 0.01876 0 32 0.66N 0.2361 8.8679 1.25278 0.00141 0.0023 0	0.003 0.01445 0.00003 0.0004 0 0.003 0.01445 0.0015 0.0034 0	0.012 0.04760 1000.51 6268.67 0 0.87522 11.5867 0.012 0.04760 1075.88 1798.87 0 0.0002 0.00778	0 0.20478 0.8702 0 0 0 0.3695 0.28341 0	0.01348 0.16272 0 0 0 0 0.00422 0.1664 0 0 0 0	0 0.89118 11.6291 0 0 0 0 0 0 0.00681 0.18969 0 0 0 0	106 3.81889 37.4619 0 0 0 0 0.22 0.8888 7.08821 0 0.00039 0.02783 0
Rev Area A 2026 TS Installe Delivery Class 6 See Area A 2026 TS Installe Delivery Class 6	2016 Aggregate Enelectly 28.6116864 1263.58 0.00% 0.1163.58 177: 2026 Aggregate Natural Co. 2.78463026 122.565 0.01% 122.565 0.19.70	.18 0.09% 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.003 0.00833 0 0 0 0.003 0.01645 0.00003 0.0004 0	0.012 0.02798 0 0 0 0 0 0.012 0.04790 1000.51 4348.47 0 0.87932 11.8887	0 0 0 0 0 0 0.20478 0.8702 0	0 0 0 0 0 0 0 0.01348 0.14272 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 1106 1.81889 17.4619 0 0 0 0
Bar Area A 2006 To Instate Delivery Class 6 Bar Area A 2006 To Instate Delivery Class 6	2027 Agengie Deut 41319927 NLETS 0.08N 781478 0 592.6 2027 Agengie Deutsing 9.38710716 171.792 0.03N 0 171.793 181.6	HS 0.14% 0.18717 181807 1.76421 0.00187 0.0028 0 HS 0.03% 0 0 0 0 0 0	0.003 0.01445 0.0004 0.0034 0 0.003 0.00832 0 0 0	0.032 0.04760 1075.19 1790.13 0 0.00038 0.00778 0.032 0.02378 0 0 0 0 0	0 0.16877 0.28219 0	0.0094 0.1664 0 0 0 0	0 0 0 0 0 0	0.33 0.06488 7.06831 0 0.00034 0.00896 0 0 0 0 0 0 0 0 0
Re- Area A 2016 To Inside Delay Class 7	2014 Agregate Dend 219.11872 11702.9 0.575 11702.9 0 1127	00 071N 0.47960 983383 1.43233 0.00239 0.0023 0	0.001 0.01440 0.00229 0.0024 0	0.012 0.04756 1245.55 2083.55 0 0.00036 0.02775	0 0.3943 0.32823 0	0.00727 0.1864 0 0 0 0	0.00000 0.0000	022 02088 7.0821 0 0218 0.0078 0
Bar Ann A 2025 TS Inside Delivery Class 7 Bar Ann A 2025 TS Inside Delivery Class 7	2015 Agregate Daniel 129.483935 6550.09 0.32% 6550.09 0.1704: 2015 Agregate Natural Co. 1.26825156 68.688 0.00% 68.688 0.17.81	0 2000 81200 2111 ERIES 88740 NIA ST. 11 11 11 11 11 11 11 11 11 11 11 11 11	0.003 0.01445 0.0024 0.0024 0 0.003 0.01445 0.0004 0.0029 0	0.012 0.01756 1265.95 2085.55 0 0.00035 0.00775 0.012 0.01756 1056.87 5887.56 0 0.72677 16.2003	0 0.1965 0.52825 0 0 0 0.22506 0.79246 0	0.00714 0.1664 0 0 0 0 0.01098 0.23147 0 0 0 0	0 0.00818 0.18948 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.23 0.00333 7.00021 0 0.0138 0.00978 0 1.00 3.30579 10.4883 0 0 0 0
Bay Area A 2026 Till Institle Delivery Class 7 No. Area A 2026 Till Institle Delivery Class 7	2018 Aggregate Devol 121.583648 6776.87 0.83% 6776.87 0 1754. 2018 Aggregate Novemon 8.12892667 652.89 0.02% 652.89 0 155.%	75 0.61% 0.4883 9.63382 1.63779 0.00232 0.0028 0 138 0.03% 0.29987 5.84062 0 0.00059 0.00966 0	0.003 0.01445 0.00222 0.0024 0 0.003 0.01445 0.00044 0.02279 0	0.012 0.04756 1245.95 2085.53 0 0.00032 0.00775 0.012 0.04756 1256.87 5887.54 0 0.72677 16.2002	0 0.3963 0.32823 0 0 0 0.22508 0.79248 0	0.00099 0.3664 0 0 0 0 0.00098 0.20147 0 0 0 0	0 0.00796 0.18945 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.22 0.06322 7.06821 0 0.0118 0.00978 0 1.06 3.34579 16.4882 0 0 0 0
Bar Area A 2026 Till Inside Delivery Class 7 Bar Area A 2026 Till Inside Delivery Class 7	3017 Agregate Daniel 105.515838 5887-3 0.29% 5987-3 0.1516. 3017 Agregate Natural Co. 8.3839643 673.088 0.02% 673.088 0.138.6	07 0.56% 0.541 645382 1.61779 0.00208 0.0021 0 039 0.03% 0.38677 5.34062 0 0.00122 0.00966 0	0.003 0.01445 0.0017 0.0024 0 0.003 0.01445 0.00133 0.01029 0	GD12 GD4766 1198.84 2000.17 G G.00032 GD0775 GD12 GD4766 2002.76 E762.87 G G.79982 38.2002	0 0.25885 0.35582 0 0	0.0082 0.1864 0 0 0 0 0.01142 0.23147 0 0 0 0	0.00796 0.18961 0 0 0 0 0	033 0.0893 7.0821 0 0.0135 0.0898 0 1.08 3.5772 16.4883 0 0 0 0
Bar Ann A 3006 To Incide Delivery Class 7 Rev Ann A 3006 To Incide Delivery Class 7	2018 Agençair Natural Co. 4.86800083 205.642 0.01N 265.642 0.6658 2019 Agençair Devic 126.577285 7228.05 0.01N 7228.03 0.1804.	IN 0.03% 0.09609 4.95072 0 0.00186 0.00276 0 36 0.63% 0.44277 9.63382 1.63779 0.00186 0.0028 0	0.003 0.01445 0.00203 0.0204 0 0.003 0.01445 0.00207 0.0034 0	0.012 0.04790 1110.7 6718.93 0 0.87322 11.5887 0.012 0.04790 1198.84 2000.57 0 0.0008 0.00775	0 0.22842 0.96219 0 0 0.28888 0.32182 0	0.01348 0.16272 0 0 0 0 0.0060 0.1664 0 0 0 0	0 0.0018 11.0281 0 0 0 0 0 0 0.0078 0.18968 0 0 0 0	106 181889 17.609 0 0 0 0 0.23 0.00987 7.06031 0 0.01183 0.01898 0
Bay Area A 2026 TS Installe Delivery Class 7 Bay Area A 2026 TS Installe Delivery Class 7	2033 Aggregate Direct 23.3321103 SELSSE 0.03% SELSSE 0.167.2 2033 Aggregate Natural Co. 20522582 11.0583 0.00% 11.0581 0.2785	NE DOIN DESTE SESSES 143779 2.00192 DOIN 0 NE DOIN DESSES 483672 0 2.00188 DESSES 0	0.003 0.01445 0.00003 0.0034 0 0.003 0.01445 0.00003 0.0040 0	0.012 0.04796 1198.84 2004.57 0 0.00029 0.00775 0.012 0.04796 1110.7 4728.93 0 0.87532 11.8887	0 0.18888 0.51582 0 0 0.22842 0.98219 0	0.00618 0.1664 0 0 0 0 0.01348 0.16272 0 0 0 0	0 0.00708 0.18945 0 0 0 0 0 0 0.89118 11.8251 0 0 0 0	022 0.05392 7.0621 0 0.0125 0.01898 0 1.06 3.81889 37.4639 0 0 0 0
Bay Area A 2026 Till Institle Delivery Class 7 Bay Area A 2026 Till Institle Delivery Class 7	2021 Aggregate Direct 1.0491563 226.071 0.01% 226.071 0.56.05 2021 Aggregate Natural DETEROLOGY 6.26796 0.00% 6.26796 0.1065	65 0.01% 0.41869 9.83382 1.63779 0.00186 0.0028 0 99 0.00% 0.00954 4.91072 0 0.00186 0.01876 0	0.003 0.01445 0.00095 0.0034 0 0.003 0.01445 0.00002 0.0004 0	0.012 0.04796 1086.28 1812.92 0 0.00027 0.00778 0.012 0.04796 1006.51 6266.67 0 0.87832 11.5887	0 0.20478 0.2048 0 0	0.00903 0.1664 0 0 0 0 0.01248 0.16272 0 0 0 0	0 0.00478 0.18945 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.22 0.00188 7.08821 0 0.00027 0.00717 0 1.06 3.81889 37.4659 0 0 0 0
Bay Area A 2028 This lessable Delivery Class 7 Bay Area A 2028 This lessable Delivery Class 7 Bay Area A 2028 This lessable Delivery Class 7	2022 Agenque Daniel 8.758783114 502.677 0.27% 683.417 0 124.65 2022 Agenque Natural Co 0.36523814 9.31644 0.00% 9.316464 0 2.357.	100 0.00% 0.00012 0.01302 1.01779 0.00179 0.0018 0.01876 0.018	0.003 0.01445 0.00087 0.0034 0 0.003 0.01445 0.00003 0.0004 0	0012 0.04766 1086.28 1812.03 0 0.00036 0.00778 0012 0.04786 1006.01 4286.07 0 0.07322 11.3887	0 0.3582 0.3888 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.00540 0.1664 0 0 0 0 0.01548 0.16772 0 0 0 0	0 0.0042 0.16451 0 0 0 0 0	0.33 0.00937 7.04831 0 0.00037 0.03717 0 1.06 1.81889 17.4419 0 0 0 0
Bar Area A 2026 TS Instale Delivery Class 7 Bar Area A 2026 TS Instale Delivery Class 7	2033 Agregate Natural Sa 0.50460003 28.0704 0.000 28.0754 0 7.200 2034 Agregate Direct 20.9948233 1248.13 0.000 1248.13 0 299.4	M7 0.00% 0.05809 4.91072 0 0.00188 0.01876 0 15 0.07% 0.35312 9.81382 1.61779 0.00181 0.0023 0	0.003 0.01845 0.00002 0.0004 0 0.003 0.01845 0.00002 0.0034 0	0.012 0.04756 1006.51 6268.67 0 0.87832 11.5887 0.012 0.04756 1068.28 1777.89 0 0.00033 0.00778	0 0.30478 0.8703 0 0 0 0.34713 0.38011 0	0.01248 0.16272 0 0 0 0 0.00903 0.1664 0 0 0 0	0 0.89118 11.0221 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	106 181889 17.6619 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Rev Area A 2026 TS Installe Delivery Class 7 Bay Area A 2026 TS Installe Delivery Class 7	2016 Aggregate Electricity 1.57566655 86.1595 0.00% 0 86.1593 22.66 2016 Aggregate Natural Car 0.39717066 21.7178 0.00% 21.7178 0 5.667	ME 0.01N 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.003 0.00833 0 0 0 0.003 0.01645 0.00003 0.0004 0	0.012 0.02798 0 0 0 0 0 0.012 0.04790 1000.51 4348.47 0 0.87932 11.8887	0 0 0 0 0 0 0.20478 0.8702 0	0 0 0 0 0 0 0 0.01348 0.14272 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 1106 1.81889 17.4619 0 0 0 0
Bar Jane A 2006 Till Incide Delivery Class 7 Bar Jane A 2006 Till Incide Delivery Class 7	3035 Aggregate Deniel 37.3328666 1656.11 0.07% 1656.11 0 188.0 3035 Aggregate Denielby JARSOON 165.886 0.03% 0 165.886 185.1	HE DONE DIRTH EINSTH LINES DODIES DODIES OF THE PROPERTY OF TH	0.003 0.00832 0 0 0	0.012 0.02796 0.000 0 0 0 0.000379 0.012 0.02378 0 0 0 0 0	0 0 0 0 0	0 0 0 0 0	0 0 0 0 0	0 0 0 0 0 0 0 0
Re- Area A 2016 To Inside Delay Class 7	2018 Agregate Devel 17.0070131 909.001 0.00N 909.001 0.20N.2	MB DORN 0.31026 4.29299 1.27932 0.00146 0.0023 0	0 2000 02000 02000 0000	0.012 0.04756 1070.4 1789.79 0 0.0002 0.00778	0 0.36866 0.38288 0	0.0043 0.1664 0 0 0 0	0.00000 0.10041 0 0 0 0	0.22 0.20777 7.04021 0 0.00024 0.00095 0
Bar Area A 2026 To Inside Delivery Class 7 Bar Area A 2026 To Inside Delivery Class 7	2018 Agençair Natural Car 0.31041709 17.3049 0.005 17.2049 0 4.715 2027 Agençair Devic 4.15422779 90.1559 0.005 90.1559 0 59.28	05 0.00% 0.00%1 4.85072 0 0.00188 0.01876 0 08 0.01% 0.39583 4.87089 1.386% 0.00137 0.0028 0	0.003 0.01445 0.0000 0.0004 0 0.003 0.01445 0.0004 0.0034 0	0.012 0.04796 1006.51 6268.67 0 0.87932 11.8887 0.012 0.04796 1092.88 1777.33 0 0.00018 0.00778	0 0.20478 0.8702 0 0 0 0.38748 0.28 0	0.01348 0.16272 0 0 0 0 0.0098 0.1664 0 0 0 0	0.00018 11.8291 0 0 0 0 0	106 181889 17.6619 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Bay Area A 2006 TS Installe Delivery Class 7 Area Area A 2006 TS Installe Delivery Class 7	2017 Agenção Destrity 0.88701881 18.8125 0.000 0 18.8125 12.37. 2017 Agenção ***** 0.07838061 1.70899 0.000 1.70899 0 1.221	'38 0.00% 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.003 0.00832 0 0 0 0 0.003 0.01845 0.00002 0.0004 0	0.012 0.01796 0 0 0 0 0 0.012 0.04796 1006.51 6268.67 0 0.87932 11.3887	0 0 0 0 0	0 0 0 0 0 0 0 0.01368 0.16272 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 10 10 10 10 10 10
Bar Ame A 2006 To Inside Trailor Class 7 Bar Ame A 2006 To Inside Trailor Class 7	2016 Agenção Devid 155.83529 8662.62 0.610 8662.62 0 1856 2016 Agenção Natural Da 0.88626321 26.7397 0.000 25.7397 0 5.597	8.1 0.40% 0.37071 10.3358 1.65586 0.00367 0.00367 0 927 0.00% 0.38073 5.74083 0 0.00065 0.00057 0	0.003 0.0157 0.00179 0.00188 0 0.003 0.0157 0.00089 0.01107 0	0.012 0.0486 1182.64 2238.66 0 0.00031 0.00831 0.012 0.0486 918.55 4178.66 0 0.55531 17.6142	0 0.18680 0.85285 0	0.0048 0.17887 0 0 0 0 0.00793 0.24881 0 0 0 0	0 0.00797 0.30369 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.22 0.0518 7.57625 0 0.0112 0.02121 0 1.06 2.85669 17.7228 0 0 0 0
Size Area A 2026 Till Incided Traction Class 7 To Amp A 2026 Till Incided Traction Class 7	2015 Aggregate Radical Cla 1.33113012 63.1769 0.00% 63.1769 0.1607 2016 Aggregate Deniel 135.889322 765.82 0.38% 7965.82 0.1607	"M COOK CINCY INDEX 0 COOKS CROSS M CON CONTROL INDEX 0 COOKS CROSS M CON CONTROL INDEX	0.003 0.0137 0.00049 0.01107 0 0.003 0.0137 0.00047 0.00248 4	0.012 0.0488 918.55 6178.66 0 0.35331 17.6162 0.012 0.0488 1182.64 2298.68 0 0.000* 0.000**	0 0.0000 0.0000 0 0 0 0 0 0 0 0 0 0 0 0	0.00793 0.34881 0 0 0 0 0.00639 0.17887 0 0 0 0	0 0.56679 17.7725 0 0 0 0 0 0 0.00728 0.20365 0 0 0 4	108 J.RMAN 17.7218 0 0 0 0 0
Bar Area A 2026 Till Incider Trailine Class 7 Bar Area A 2026 Till Incider Trailine Class 7	2016 Agençale Natural De 8.08127912 131.016 0.016 151.016 0.106.8 2017 Agençale Deset 88.2487913 5286.52 0.246 5288.52 0.997.0	777 GGSN G38073 574083 G G00045 G25057 G	0.003 0.0137 0.00049 0.01107 0 0.003 0.0137 0.0038 0.00248 0	0.012 0.00486 916.55 6178.66 0 0.35531 17.6162 0.012 0.00486 1137.93 2156.79 0 0.00029 0.00831	0 0.1888 0.85185 0 0 0.17928 0.13949 0	0.00791 0.0681 0 0 0 0 0.00424 0.17887 0 0 0 0	0 03887N 17.772N 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	106 2,81649 17.7238 0 0 0 0 0 022 0,06799 7,37625 0 0,05078 0,0204 0
Bar Area A 2026 Till Incided Traction Class 7 Bar Area A 2026 Till Incided Traction Class 7	2017 Aggregate Numberl Clark 8.81508834 617.791 0.02% 617.791 0.78.78 2018 Aggregate Daviet 51.0533608 3275.45 0.16% 3275.45 0.590.1	122 0.02% 0.15175 5.74063 0 0.00094 0.21057 0 177 0.14% 0.35003 20.3336 1.86766 0.00346 0.00247 0	0.003 0.0137 0.00003 0.01107 0 0.003 0.0137 0.00013 0.00018 0	0.012 0.04886 925.322 6033.68 0 0.0248 17.6162 0.012 0.04886 1102.18 2156.79 0 0.00038 0.00831	0 0.18863 0.83966 0 0 0.17565 0.83969 0	0.000NS 0.348KS 0 0 0 0 0.0000B 0.17887 0 0 0 0	0 0.0000 0.20165 0 0 0 0 0	106 3.85779 17.7258 0 0 0 0 0 0 0 0 0 0 22 0.06864 7.57625 0 0.05046 0.0306 0
Bar Ame A 2026 Till Instide Tables Class 7 Bar Ame A 2026 Till Instide Tables Class 7 Bar Ame A 2026 Till Instide Tables To Table Till Table Till Table Till Till Table Till Till Till Till Till Till Till Ti	Acces Aggregate National Co. 2.53520002 182.652 0.01% 182.652 0.29.30 2019 Aggregate Deset 76.7031789 1621.89 0.20% 1921.89 0.861. 2023 Aggregate Deset 76.7031789 1621.89 0.20% 1921.89 0.861.	*** **** 0.05172 5.3279 0 0.00145 0.00017 0 77 021% 0.31228 33.338 1.8708 0.00138 0.00347 0 85 0.00% 0.31228 32.3338 1.8708 0.00328 0.00347	0.003 0.0137 0.00038 0.01398 0 0.003 0.0137 0.00042 0.00258 0	0.012 0.0488 100.18 2156.79 0 0.00037 0.0881 0.012 0.0488 1102.18 2156.79 0 0.00037 0.0881	0 0.1978 1.0829 0 0 0 0.1788 0.1988 0 0 0 0.1788 0.1988	0.00187 0.17887 0 0 0 0 0 0.00187 0.17887 0 0 0 0	0 00068 03388 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	ANN AFTER 60.3521 G 0 0 0 022 0.00113 7.57625 G 0.00046 0.0304 G 022 0.00108 7.37625 G 0.00046 0.0304
Bay Area A 2026 Til Incide Traction Class 7 Bay Area A 2026 Til Incide Traction Class 7	2023 Agengie Natural Gr. 0.41781708 28.0815 0.00N 28.0815 0.4830 2021 Agengie Dent 27.6800812 0.00142 0.10N 2008.42 0.1174	MS 0.00% 0.05174 5.32179 0 0.00149 0.02007 0 0 00 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.003 0.0157 0.0016 0.02181 0 0.003 0.0157 0.00122 0.0028	0.012 0.0486 999.081 5071.64 0 0.6976 12.3422 0.012 0.0486 971.598 1948.78 0 0.00021 0.00811	0 0.18795 1.0829 0 0 0.18875 0.80705 0	0.00987 0.17893 0 0 0 0 0.00563 0.17887 0 0 0 0	0 071195 12.0941 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	108 3.87187 80.8821 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Bar Area A 2026 Till Incider Traditor Class 7 Bar Area A 2026 Till Incider Traditor Class 7	2021 Aggregate Natural Co. 0.31880827 27.934 0.00% 37.934 0.6008 2022 Aggregate David 25.028329 1898.59 0.09% 1898.59 0.288.2	796 0.00% 0.0%38X 5.33773 0 0.00243 0.00017 0 128 0.07% 0.313% 30.3588 1.88788 0.00297 0.00347 0	0.003 0.0137 0.0038 0.02189 0 0.003 0.0137 0.0031 0.00288 0	0.012 0.04886 878.414 6188.57 0 0.6976 12.3422 0.012 0.04886 975.598 1948.78 0 0.00034 0.00831	0 0.17868 0.93141 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.00987 0.17092 0 0 0 0 0.00918 0.17887 0 0 0 0	0 071196 12,0941 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	106 2.87187 80.2821 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Bar Area A 2026 Til Instale Tradio-Class 7 Bar Area A 2026 Til Instale Tradio-Class 7	2022 Aggregate Numberl Day (27)22599 35.8754 0.00% 35.8754 0.5.875 2023 Aggregate Days 06.751.2253 3226.35 0.10% 3226.35 0.475.00	88 0.00% 0.0517 5.33178 0 0.00145 0.0007 0 86 0.11% 0.38947 30.5536 1.86786 0.00279 0.00247 0	0.003 0.0137 0.00038 0.02183 0 0.003 0.0137 0.00283 0.00288 0	0.012 0.0488 878.414 6188.57 0 0.0976 12.2422 0.012 0.0488 875.598 1948.78 0 0.00028 0.00811	0 0.17888 0.93141 0 0 0 0.15171 0.16768 0	0.00987 0.17892 0 0 0 0 0.00489 0.17887 0 0 0 0	0 071195 13.0941 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	108 3.87187 40.3521 0 0 0 0 0.22 0.26788 7.87625 0 0.00936 0.01865 0
See Arms A 2026 Till Institute Distins Class 7 See Arms A 2026 Till Institute Distins Class 7 See Arms A 2026 Till Institute Technology 7	2014 Agenque Nobrel Da 0.77084050 61.0311 0.00% 61.0351 0.8002 2014 Agenque Denet 17.4614054 1004.88 0.01% 103588 0.161.8 2014 Agenque Denitrio 0.07323377 0.7855 0.000 0.000	THE COURS CAPTER SALES CAPTER	0.001 0.0017 0.00018 0.00181 0 0.001 0.0017 0.00079 0.00018 0	0.012 0.00486 878.414 6188.57 0 0.0076 12.3022 0.012 0.00486 824.277 1878.54 0 0.00021 0.00851 0.012 0.02265 0 0 0	0 0.17868 0.93141 0 0 0.16162 0.29114 0	1000 1100 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	022 0.08139 7.37425 0 0.00275 0.02774 0
Bay Area A 2026 Till Institute District Class 7 Bay Area A 2026 Till Institute District Class 7	2024 Agenção Radiol De 0.25517955 18.5862 0.000 18.5862 0.2752 2024 Agenção Desil 05.5537252 1892.45 0.190 1892.61 0.110	96 0.00% 0.0178 5.3379 0 0.00145 0.00017 0 175 0.13% 0.32071 4.76326 1.66988 0.00254 0.00347	0.003 0.0137 0.00036 0.02183 0 0.003 0.0137 0.00046 0.00048	0.012 0.0488 833.727 4486.55 0 0.0076 12.3422 0.012 0.0488 828.628 1878.1 0 0.000* 0.000**	0 0.17585 0.93015 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.00987 0.17092 0 0 0 0 0.00429 0.17087 0 0 0 ^	0 071195 13.0941 0 0 0 0 0	106 3.87187 60.3821 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Bar Area A 2026 Till Installe Traction 7 Bar Area A 2026 Till Installe Traction Class 7	2025 Aggregate Desiroly 2.80518518 201.821 0.01% 0.261.821 12.6 2025 Aggregate Numbert Co. 828411061 75.8288 0.00% 75.8288 0.9871	138 6-01% 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.003 0.00785 0 0 0 0.003 0.0137 0.00186 0.02181 0	0.012 0.02365 0 0 0 0 0 0 0.012 0.04666 852.727 6666.55 0 0.0476 12.2422	0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0 0 0 100 247137 403131 0 0 0 0
Bay Area A 2026 Till Institle Traction Class 7 Bay Area A 2026 Till Institle Traction Class 7	2036 Aggregate Deniel 29.5529749 2637.06 0.33% 2637.06 0.565.6 2036 Aggregate Denieshy 2.77252623 247.097 0.03% 0.347.097 52.05	H2 0.08% 0.395% 4.65864 1.6624 0.00241 0.00267 0 06 0.01% 0 0 0 0 0 0	0.003 0.0037 0.00032 0.00038 0 0.003 0.00785 0 0 0	0.012 0.00686 927.497 1879.88	0 0 0 0 0	0.009Ns 0.17887 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0	0.22 0.0000 7.57625 0 0.00878 0.0278 0 0 0 0 0 0 0 0 0
Bar Anna A 2028 Till Institute Traction Class 7 Bar Anna A 2028 Till Institute Traction Class 7 Bar Anna A 2028 Till Institute Traction Class 7	2022 Agregate Described 0.535912726 09.822 0.00% 09.822 0.6462 2027 Agregate Described 0.75681261 292.279 0.01% 293.279 0.77.89	154 0.00% 0.0517 5.33779 0 0.00145 0.00037 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.003 0.0137 0.0014 0.0198 0 0.003 0.0137 0.00218 0.00218 0	0.022 0.00488 83.737 4484.55 0 0.00017 0.0081	0 0.14189 0.9021 0	0.00987 0.17897 0 0 0 0 0.00981 0.17887 0 0 0 0	0 071196 13.0941 0 0 0 0 0	136 147137 403131 0 0 0 022 042777 757625 0 0.00862 0.0298
Bar Awa A 2026 To Inside Trailor Class 7 Re- Awa A 2026 To OOS Class 6	2027 Agenque Natural De 0.12761755 6.77206 0.00% 6.77206 0.1475. 2016 Agenque Deset 0.72628825 26.4192 0.00% 25.4292 0.16.65%	18 0:00% 0:0517 5.32178 0 0:00145 0:0007 0 00 0:00% 0:25509 2:855 0:00988 0:00811 0:00088 0	0.003 0.0157 0.00156 0.02185 0 0.003 0.01481 0.00839 0.00071 0	0.012 0.04686 853.727 4466.55 0 0.0076 12.2422 0.012 0.04251 1222.51 417.855 0 0.00029 0.00229	0 0.17583 0.00018 0 0 0.10258 0.00751 0	0.00987 0.17692 0 0 0 0 0.00827 0.08838 0 0 0 0	0 071195 12.8941 0 0 0 0 0 0 0.00714 0.09414 0 0 0 0	106 247187 603831 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Bay Area A 2026 TE COS Class 6 Bay Area A 2026 TE COS Class 6	2015 Aggregate Direct 1.15517505 40.4299 0.00% 43.4299 0.26.50 2016 Aggregate Direct 1.82343992 72.4227 0.00% 72.4227 0.46.15	199 0.01% 0.25328 2.8555 0.66965 0.00065 0.00068 0 197 0.01% 0.2686 2.8555 0.80125 0.00585 0.00068 0	0.003 0.01481 0.0083 0.00071 0 0.003 0.01481 0.0082 0.00071 0	0.012 0.04281 1222.81 617.618 0 0.00029 0.00229 0.012 0.04281 1222.81 617.618 0 0.00028 0.00229	0 0.10218 0.00791 0 0	0.00416 0.08933 0 0 0 0 0.00403 0.08933 0 0 0 0	0 0.00703 0.05434 0 0 0 0 0 0 0.00487 0.05434 0 0 0 0	0.22 0.0137 2.0899 0 0.0137 0.0085 0 0.22 0.01094 2.0899 0 0.0137 0.0085 0
Bar Ama A 2026 TS COS Class 6 Bar Ama A 2026 TS COS Class 6 Bar Ama A 2026 TS COS Class 6	2017 Agregate Deset 2.02783818 82.4048 0.00% 82.6058 0.03.50 2018 Agregate Deset 1.026081 62.2001 0.00% 82.2001 0.03.50 2018 Agregate Deset 2.0260810 62.2001 0.00% 82.2001 0.03.50	NS 031% 03000 3.81% 0.801% 0.001% 0.000% 0	0.003 0.01481 0.0009 0.00071 0 0.003 0.01481 0.0097 0.00071 0	0.003 0.00311 1176.1 596.283 0 0.00037 0.00329 0.013 0.00311 1176.1 596.283 0 0.00037 0.00329	0 0.1815 0.08161 0	0.00171 0.00131 0 0 0 0	0 0.00475 0.00424 0 0 0 0 0 0 0.00434 0.00424 0 0 0 0 0	0.33 0.00031 3.08895 0 0.00134 0.00045 0 0.32 0.0096 2.08895 0 0.00134 0.00045 0
Bar Awa A 2026 To COS Class 6 Bar Awa A 2026 To COS Class 6	3033 Agregate Daniel 4.12948094 200.048 0.01% 300.048 0 94.8% 3031 Agregate Daniel 4.3318883 254.839 0.01% 254.839 0 96.5%	HS 0.01% 0.0282 2.855 0.8013 0.00145 0.0008 0.100 0.10	0.003 0.01481 0.00169 0.00071 0 0.003 0.01481 0.00114 0.00071 0	0.012 0.04291 1176.1 504.289 0 0.00025 0.00220 0.012 0.04291 1008.68 537.668 0 0.00024 0.00220	0 0.1813 0.08183 0 0 0 0.18718 0.08188 0	0.00541 0.0883 0 0 0 0 0.00521 0.0883 0 0 0 0	0 0.00815 0.08818 0 0 0 0 0 0 0.00898 0.08818 0 0 0 0	0.22 0.02771 2.08895 0 0.00114 0.00545 0 0.22 0.02474 2.08895 0 0.00007 0.00509 0
Bay Area A 2026 TE COS Class 6 Bay Area A 2026 TE COS Class 6	2022 Aggregate Direct 6.52503877 265.569 0.03% 265.569 0.105.% 2023 Aggregate Direct 6.68716588 266.881 0.03% 266.881 0.105.7	NB 0.07% 0.21998 2.8555 0.60125 0.00514 0.00088 0 '11 0.03% 0.20481 2.8555 0.60125 0.00687 0.00088 0	0.003 0.01481 0.00137 0.00071 0 0.003 0.01481 0.0013 0.00071 0	0.012 0.04291 1048.66 537.666 0 0.00028 0.0029 0.012 0.04291 1048.66 537.666 0 0.00022 0.00229	0 0.16758 0.08568 0 0 0.16758 0.08668 0	0.00003 0.00033 0 0 0 0 0.00079 0.00033 0 0 0 0	0 0.0017 0.05424 0 0 0 0 0 0 0.00548 0.05424 0 0 0 0	0.22 0.02549 2.08895 0 0.00007 0.00509 0 0.22 0.02457 2.08895 0 0.00007 0.00509 0
Bar Area A 2026 TO COS Clave 6 Bar Area A 2026 TO COS Clave 6	2016 Agenção Devid 6.81367516 275.008 0.01N 275.008 0.105.9 2015 Agenção Devid 6.3851578 275.008 0.01N 2703.68 0.100.	95 0.31% 0.39131 2.8353 0.6023 0.0048 0.0008 0 31 0.32% 0.1928 2.8353 0.6023 0.0041 0.0008 0	0.003 0.01481 0.00801 0.00071 0 0.003 0.01481 0.0081 0.00071 0	0.022 0.04231 981.364 096.793 0 0.00021 0.00229 0.022 0.04231 981.364 096.793 0 0.0002 0.00229	0 0.1649 0.07827 0 0 0 0.1649 0.07827 0	0.00430 0.00833 0 0 0 0 0.00432 0.00833 0 0 0 0	0 0.00019 0.00018 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.22 0.02139 2.08895 0 0.00911 0.0047 0 0.22 0.02213 2.08895 0 0.00931 0.0047 0
Bay Area A 2026 To COS Class 6 Bay Area A 2026 To COS Class 7	2027 Agregate Denet 0.86424509 25.8558 0.000 25.9556 0 22.35 2024 Agregate Denet 1.56635643 567.095 0.020 35.7095 0 35.89	MR 0.21% 0.22%1 2.85% 0.8022 0.0042 0.0048 0	0.001 0.01481 0.00819 0.00071 0 0.001 0.01481 0.00897 0.00071	0.012 0.04181 987735 478.001 0 0.00018 0.00129 0.012 0.04181 1180.78 817.015 0 0.00012 0.00129	0 0.16932 0.07145 0 0 0 0.18903 0.09731 0	0.00179 0.00911 0 0 0 0 0.00179 0.00911 0 0 0 0	0 0.00410 0.00414 0 0 0 0 0	0.22 0.01861 2.08895 0 0.00187 0.00185 0 0.22 0.01881 2.08895 0 0.00118 0.00185 0
Rev Ares A 2026 TS COS Clear 7 Bay Ares A 2025 TS COS Clear 7	2015 Agregate Daniel 3.57509547 784.202 0.04N 784.302 0 82.35 2016 Agregate Daniel 3.49841707 783.2 0.04N 783.3 0 80.38	156 0.03% 0.2702 2.8355 0.66965 0.00657 0.00068 0 156 0.03% 0.36671 2.8355 0.60125 0.00648 0.00068 0	0.003 0.01481 0.0087 0.00071 0 0.003 0.01481 0.00871 0.00071 0	0.012 0.04291 1180.79 617.615 0 0.00032 0.00229 0.012 0.04291 1180.79 617.615 0 0.00031 0.00229	0 0.58605 0.08793 0 0 0 0.58605 0.08793 0	0.0088 0.0883 0 0 0 0 0.00872 0.0883 0 0 0 0	0 0.00781 0.06816 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.22 0.05519 2.08895 0 0.05118 0.00585 0 0.22 0.05485 2.08895 0 0.05118 0.00585 0
Bay Area A 2026 TE COS Class 7 Bay Area A 2026 TE COS Class 7	2017 Aggregate Direct 2.09751388 675.742 0.02% 675.762 0 68.5% 2018 Aggregate Direct 3.85264906 889.803 0.06% 889.803 0 885.52	MB 0.01% 0.2026 2.8555 0.60125 0.00635 0.00088 0 MB 0.02% 0.25781 2.8555 0.60125 0.00629 0.00088 0	0.003 0.01481 0.00802 0.00071 0 0.003 0.01481 0.00807 0.00071 0	0.012 0.04281 1186.09 594.283 0 0.0008 0.00229 0.012 0.04281 1112.86 594.283 0 0.0008 0.00229	0 0.17899 0.09585 0 0 0.17525 0.09585 0	0.00435 0.04933 0 0 0 0 0.00437 0.04933 0 0 0 0	0 0.00748 0.05618 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.22 0.0336 2.08995 0 0.00076 0.00563 0 0.22 0.08245 2.08895 0 0.00053 0.00543 0
				0.013 0.04391 1113.96 594.283 0 0.00039 0.00329	0 0.17525 0.09565 0	0.00416 0.04813 0 0 0 0		0.22 0.018 2.08895
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On Site latting										Emissions (Ib/de	ri											Enducions So	ons/year COZe in me	into tions/year)					
	omage Round Tilps per Day	Trip (hours)	Total latting Duration (hours per-dag)		800	NO.	PM _{ess}	PM _{em}	PMus	PM	PMess	PM _{ea} ,	60	6027	CHE	A00	NOG.	NO,	M.m	PM _{vm}	PM _{ee}	PH	PMose	PM _{ere}	CO	6027	044	N20	CO ₂ e
Photo 1 (856 A. 8/C)	214	0.0011111111	X.459		0.03871396	0.28992928	0.00000000	0.00014169	0.00016169	0.00000000	0.00011818	0.00031818	0.47766233	19.76621660	0.01756783	0.00956953	0.00136011	0.05292067	4.00000000	0.00002459	0.00000459	2 00000000	0.00002121	0.00002121		10.90369179			10.11211
Phase 2 (Kidgs D-Q)		6.211111111	4.011		0.01171856	0.11891398	0.00000000 0.00000000		0.00006881	0.00000000	0.00006411		6.32879569	2X 429 84004	0.00811835	0.00438343	0.00311101	0.03131910		0.00001274	0.00001276	4.00000000	0.00001310		0.04175321	16 11864111	0.00333433	0.00083488	4.88020
Yer Suffic Study, top site for Proposed Initial operations assume aways first o						nit.																							
On Sife Touth Tourst										Decisions Children	d											Deductions for	cesheur CODe in ma	State Sensifymati					
Place 1 Place 1 (Ear & BAC) Place 2 (Edg O-C) Full Building The Table 1 (Edg O-C) Full Building Full B		ute for warehouse), as			0.00182 0.00281 Property 1,278,237	NO ₆ 1.11546 0.49012 2.00018 M.	PM _{ines} 0.11400 0.00483 0.17289	PM _{me} 0.01144 0.00134 0.00283	PM _{me} 0.16792 0.03828 0.18338	PM ₈₄₈ 2 01199 2 00175 2 01175	PM _{eas} 0.01096 0.00118 0.01218	FM ₁₄₄ 2 21491 2 20161 2 20161	03 03 13 71 0 109 17 0 42893	83.84366	CHE 0.02394 0.00319 0.02735	820 0.11416 0.01376 0.32712	806 0.80110 0.80138 0.80417	80, 0.27621 0.28601 0.38581	PM _{vm} 0.02868 0.00337 0.00337	PM_m 0.00329 0.00071 0.00212 0.0021341869	PM _{ter} 0.00017 0.00130 0.01307	994 ₆₄₈ 0.00808 0.00087 0.00889		PM _{core} 0.00000 0.00100 0.00111 0.0111460917	00 0.0189 0.0199 0.07838	0037 102.45199 15.30147 155.79545	044 9 00417 9 00042 9 00049	9.02081 0.02081 0.02187 0.02189	100 p 112 11 14 14 147 01
On Site Window Toward										Defaulters FB-56e	4											Intoduces to	onafunació CODe in ma	this time / mark and					
Phase 1 (No. 5, 800) Phase 2 (No. 5, 800) Phase 2 (No. 6, 800) Pall Saldensi The Saldensi Imple Analysis relimate brilled assertions, asserts are asserted.					Properties 1,276,2371	80 ₆ 0.167 0.163 0.100	PM _{eee} 0.154 0.031 0.187	PM _{me} 0.000 0.000 0.000	PM _{set} 0.117 0.016 0.110	PM ₈₄₈ 0.012 0.001 0.013		6.000	4879 1707 1203	2007 790 363 111 763 813 866	CME 0.073 0.073 0.003	800 0.000 0.000 0.000	806 0 010 0 023 0 023	80, 0.871 0.800 0.100	9M ₁₀₀ 0.001 0.001 0.012	PM ₁₀₀ 0.001 0.000 0.001	PM _{ee} 0.000 0.000 0.071	796, no. 0.002 0.002	994 _{me} 0.000 0.000 0.001	PM ₆₀₀ 0.001 0.000 0.000	0.814 0.811 1.147	0037 145,800 21,130 144,632	046 0-015 0-006 0-018	820 6-211 6-305 6-216	00,e 114 10. 111
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Admed Dies to/form Die Dustol										Emissions Ethida	d											Services to	ons/vean CODe in ma	Ms tens/year)					_
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brilled operations assume awage first o				rage first mix for ope	mational year 2026.																								
1. Note that internal uncite visits are sa	captured under the "On-title 1	luck Toler" employers	above.																										
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Phone 1 (Bloc A &/C)	1.008	861.997792	7.100	12239.800	0.161	0.866	118	0.011	1162	0.790	0.012		14.540		0.091	0.116	0.041	0.111	0.171	0.003	0.377	9.166	0.002	0.149	2.454	1117.012	0.017	6.025	101
Place 2 (Kidgs D-Q)	1.898	411.042268	7.100	18101.000	0.166	0.404	1109	0.004	1333	0.379	0.004		6.967 11.507	2883.508	0.045	0.045	0.000	0.074	0.371	0.001	0.276	0.069	0.000	0.070	1 272	344.855	0.006	6413	111
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Highway 12 Logistics Center Managed Open Space Construction Detailed Report

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1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Highway 12 Logistics Center Managed Open Space Construction
Construction Start Date	6/4/2024
Lead Agency	_
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	5.70
Precipitation (days)	39.2
Location	38.235823729931525, -122.05355391769456
County	Solano-San Francisco
City	Unincorporated
Air District	Bay Area AQMD
Air Basin	San Francisco Bay Area
TAZ	856
EDFZ	4
Electric Utility	Pacific Gas & Electric Company
Gas Utility	Pacific Gas & Electric
App Version	2022.1.1.13

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
User Defined Recreational	1.00	User Defined Unit	38.0	0.00	0.00	_	_	_

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Construction	C-2*	Limit Heavy-Duty Diesel Vehicle Idling
Construction	C-5	Use Advanced Engine Tiers

^{*} Qualitative or supporting measure. Emission reductions not included in the mitigated emissions results.

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

			ay ioi dai															
Un/Mit.	TOG	ROG	NOx	СО	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	
Unmit.	3.30	2.77	25.4	24.3	0.04	1.15	13.2	14.4	1.06	6.76	7.83	_	4,018	4,018	0.16	0.04	0.60	4,034
Mit.	0.57	0.54	2.82	21.7	0.04	0.11	13.2	13.3	0.10	6.76	6.87	_	4,018	4,018	0.16	0.04	0.60	4,034
% Reduced	83%	81%	89%	11%	_	91%	_	7%	90%	_	12%	_	_	_	_	_	_	_
Average Daily (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Unmit.	0.41	0.34	3.13	2.98	< 0.005	0.14	1.63	1.77	0.13	0.83	0.96	_	494	494	0.02	< 0.005	0.03	496
Mit.	0.07	0.07	0.35	2.66	< 0.005	0.01	1.63	1.64	0.01	0.83	0.85	_	494	494	0.02	< 0.005	0.03	496
% Reduced	83%	81%	89%	11%	_	91%	_	7%	90%	_	12%	_	_	_	_	_	_	_
Annual (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Unmit.	0.07	0.06	0.57	0.54	< 0.005	0.03	0.30	0.32	0.02	0.15	0.18	_	81.8	81.8	< 0.005	< 0.005	0.01	82.1
Mit.	0.01	0.01	0.06	0.49	< 0.005	< 0.005	0.30	0.30	< 0.005	0.15	0.15	_	81.8	81.8	< 0.005	< 0.005	0.01	82.1

%	83%	81%	89%	11%	_	91%	_	7%	90%	_	12%	_	_	_	_	_	_	I —
1,4				1				- / -			1 - 7 -							
Reduced	1																	
Neduced																		

2.2. Construction Emissions by Year, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	СО	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
2024	3.30	2.77	25.4	24.3	0.04	1.15	13.2	14.4	1.06	6.76	7.83	_	4,018	4,018	0.16	0.04	0.60	4,034
Daily - Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Average Daily	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
2024	0.41	0.34	3.13	2.98	< 0.005	0.14	1.63	1.77	0.13	0.83	0.96	_	494	494	0.02	< 0.005	0.03	496
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
2024	0.07	0.06	0.57	0.54	< 0.005	0.03	0.30	0.32	0.02	0.15	0.18	_	81.8	81.8	< 0.005	< 0.005	0.01	82.1

2.3. Construction Emissions by Year, Mitigated

Year	TOG	ROG	NOx	со	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	всо2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
2024	0.57	0.54	2.82	21.7	0.04	0.11	13.2	13.3	0.10	6.76	6.87	_	4,018	4,018	0.16	0.04	0.60	4,034
Daily - Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Average Daily	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_

2024	0.07	0.07	0.35	2.66	< 0.005	0.01	1.63	1.64	0.01	0.83	0.85	_	494	494	0.02	< 0.005	0.03	496
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
2024	0.01	0.01	0.06	0.49	< 0.005	< 0.005	0.30	0.30	< 0.005	0.15	0.15	_	81.8	81.8	< 0.005	< 0.005	0.01	82.1

3. Construction Emissions Details

3.1. Grading (2024) - Unmitigated

Location	TOG	ROG	NOx	со	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Off-Road Equipmen		2.71	25.3	23.6	0.04	1.15	_	1.15	1.06	_	1.06	_	3,881	3,881	0.16	0.03	_	3,895
Dust From Material Movement	_	_	_	_	_	_	13.1	13.1	_	6.73	6.73	_	_	_	_	_	_	_
Onsite truck	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	0.00
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Average Daily	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Off-Road Equipmen		0.33	3.12	2.91	< 0.005	0.14	_	0.14	0.13	_	0.13	_	479	479	0.02	< 0.005	_	480
Dust From Material Movement	_	_	_	_	_	_	1.62	1.62	_	0.83	0.83	_	_	_	_	_	_	_

Onsite truck	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	0.00
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Off-Road Equipmen		0.06	0.57	0.53	< 0.005	0.03	_	0.03	0.02	_	0.02	_	79.2	79.2	< 0.005	< 0.005	_	79.5
Dust From Material Movemen	<u> </u>	_	_	_	_	_	0.29	0.29	_	0.15	0.15	_	_	_	_	_	_	_
Onsite truck	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	0.00
Offsite	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Daily, Summer (Max)	_	_	_	_	-	_	_	_	_	-	_	_	_	_	_	_	_	-
Worker	0.07	0.06	0.04	0.66	0.00	0.00	0.12	0.12	0.00	0.03	0.03	_	137	137	< 0.005	0.01	0.60	139
Vendor	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	0.00
Hauling	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	0.00
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Average Daily	_	_	_	_	_	_	_	_	_	_	_	-	_	_	_	_	_	_
Worker	0.01	0.01	0.01	0.07	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	_	15.8	15.8	< 0.005	< 0.005	0.03	16.0
Vendor	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	0.00
Hauling	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	0.00
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	_	2.61	2.61	< 0.005	< 0.005	0.01	2.65
Vendor	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	0.00
Hauling	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	0.00

3.2. Grading (2024) - Mitigated

Location	TOG	ROG	NOx	со	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	_	<u> </u>	_	<u> </u>	_	_	_	-	_	_	_	_	_	_	_	_	_	_
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Off-Road Equipmen		0.48	2.78	21.0	0.04	0.11	_	0.11	0.10	_	0.10	_	3,881	3,881	0.16	0.03	_	3,895
Dust From Material Movemen	<u> </u>	_	_	_	_		13.1	13.1	_	6.73	6.73				_	_		
Onsite truck	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	0.00
Daily, Winter (Max)	_	_		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Average Daily	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Off-Road Equipmen		0.06	0.34	2.59	< 0.005	0.01	_	0.01	0.01	_	0.01	_	479	479	0.02	< 0.005	_	480
Dust From Material Movemen	_			_	_	_	1.62	1.62	_	0.83	0.83		_	_	_	_	_	_
Onsite truck	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	0.00
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Off-Road Equipmen		0.01	0.06	0.47	< 0.005	< 0.005	_	< 0.005	< 0.005	_	< 0.005	_	79.2	79.2	< 0.005	< 0.005	_	79.5

Dust From Material Movemen		_	_	_			0.29	0.29	_	0.15	0.15	_	_	_	_	_	_	
Onsite truck	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	0.00
Offsite	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Worker	0.07	0.06	0.04	0.66	0.00	0.00	0.12	0.12	0.00	0.03	0.03	_	137	137	< 0.005	0.01	0.60	139
Vendor	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	0.00
Hauling	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	0.00
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Average Daily	_	_	_	_		_	_	_	_	_		_	_	_	_		_	_
Worker	0.01	0.01	0.01	0.07	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	_	15.8	15.8	< 0.005	< 0.005	0.03	16.0
Vendor	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	0.00
Hauling	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	0.00
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	_	2.61	2.61	< 0.005	< 0.005	0.01	2.65
Vendor	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	0.00
Hauling	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	0.00

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

			,	· j, · · · · · · j ·		, ,	'		· J,	. ,								
Vegetatio n	TOG	ROG	NOx	со	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Total	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Total	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Total	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	СО	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Total	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Total	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Total	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Species	TOG	ROG	NOx	СО	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	-	_	_	_	_	_	-
Avoided	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Subtotal	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Sequest ered	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Subtotal	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Remove d	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Subtotal	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Avoided	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Subtotal	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Sequest ered	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Subtotal	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Remove d	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Subtotal	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Avoided	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Subtotal	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	
Sequest ered	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Subtotal	_	_	_	_	_	_	_	_	_	_	_	_	_	_			_	_

Remove	_	_	_		_	_	_	_	_	_	_	_	_	_	_	_	_	_
Subtotal	_	_	_	_	_		_	_	_	_	_	_		_	_	_	_	_
_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetatio n	TOG	ROG		со	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Total	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Total	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Total	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

Land Use	TOG	ROG	NOx	со	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Total	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Total	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_

A	nnual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Т	otal	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

	TOG	ROG	NOx	СО	SO2					PM2.5D		BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Avoided	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Subtotal	_	_	_	_	_	_	_	_		_	_	_	_	_	_	_	_	_
Sequest ered	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Subtotal	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Remove d	_	-	_	_	-	_	_	_	_	_	_	_	_	_	_	_	_	_
Subtotal	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Avoided	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Subtotal	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Sequest ered	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Subtotal	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Remove d	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Subtotal	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_

Annual	_	_	_	-	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Avoided	_	_	_	_	_	_	_	_		_	_	_	_	_	_	_	_	_
Subtotal	_	_	_	_	_	_	_	_		_	_	_	_	_	_	_	_	_
Sequest ered	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Subtotal	_	_	_	_	_	_	_	_		_	<u> </u>	_	_	_	_	_	_	_
Remove d	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Subtotal	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Grading	Grading	6/4/2024	8/5/2024	5.00	45.0	_

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Grading	Rubber Tired Loaders	Diesel	Average	2.00	8.00	150	0.36
Grading	Rubber Tired Dozers	Diesel	Average	2.00	8.00	367	0.40
Grading	Dumpers/Tenders	Diesel	Average	2.00	8.00	16.0	0.38

5.2.2. Mitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
	<u> </u>	71		•			

Grading	Rubber Tired Loaders	Diesel	Tier 4 Final	2.00	8.00	150	0.36
Grading	Rubber Tired Dozers	Diesel	Tier 4 Final	2.00	8.00	367	0.40
Grading	Dumpers/Tenders	Diesel	Average	2.00	8.00	16.0	0.38

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Grading	_	_	_	_
Grading	Worker	15.0	11.7	LDA,LDT1,LDT2
Grading	Vendor	_	8.40	HHDT,MHDT
Grading	Hauling	0.00	20.0	HHDT
Grading	Onsite truck	_	_	HHDT

5.3.2. Mitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Grading	_	_	_	_
Grading	Worker	15.0	11.7	LDA,LDT1,LDT2
Grading	Vendor	_	8.40	HHDT,MHDT
Grading	Hauling	0.00	20.0	HHDT
Grading	Onsite truck	_	_	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated	Residential Exterior Area Coated	Non-Residential Interior Area	Non-Residential Exterior Area	Parking Area Coated (sq ft)
	(sq ft)	(sq ft)	Coated (sq ft)	Coated (sq ft)	

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (Cubic Yards)	Material Exported (Cubic Yards)	Acres Graded (acres)	Material Demolished (sq. ft.)	Acres Paved (acres)
Grading	0.00	0.00	45.0	0.00	_

5.6.2. Construction Earthmoving Control Strategies

Non-applicable. No control strategies activated by user.

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
User Defined Recreational	0.00	0%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2024	0.00	204	0.03	< 0.005

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Natural Gas Saved (btu/year)

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres				
5.18.1.2. Mitigated							
Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres				
5.18.1. Biomass Cover Type							
5.18.1.1. Unmitigated							
Biomass Cover Type	Initial Acres	Final Acres					
5.18.1.2. Mitigated							
Biomass Cover Type	Initial Acres	Final Acres					
5.18.2. Sequestration							
5.18.2.1. Unmitigated							
Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)				

6. Climate Risk Detailed Report

Number

6.1. Climate Risk Summary

5.18.2.2. Mitigated

Tree Type

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Electricity Saved (kWh/year)

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	19.0	annual days of extreme heat
Extreme Precipitation	4.95	annual days with precipitation above 20 mm
Sea Level Rise	0.00	meters of inundation depth
Wildfire	0.00	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider different increments of sea level rise coupled with extreme storm events. Users may select from four model simulations to view the range in potential inundation depth for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 50 meters (m) by 50 m, or about 164 feet (ft) by 164 ft.

Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	N/A	N/A	N/A	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	N/A	N/A	N/A	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.

The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.

The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	N/A	N/A	N/A	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	N/A	N/A	N/A	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.

The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.

The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	_
AQ-Ozone	22.2
AQ-PM	27.0
AQ-DPM	37.4
Drinking Water	37.4

	0.0
Lead Risk Housing	64.3
Pesticides	64.0
Toxic Releases	59.0
Traffic	59.3
Effect Indicators	_
CleanUp Sites	0.00
Groundwater	86.3
Haz Waste Facilities/Generators	88.1
Impaired Water Bodies	58.7
Solid Waste	52.9
Sensitive Population	_
Asthma	95.3
Cardio-vascular	67.9
Low Birth Weights	92.7
Socioeconomic Factor Indicators	_
Education	75.7
Housing	62.4
Linguistic	79.0
Poverty	64.0
Unemployment	33.6

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

The maximum reality Flaces index score is 100. A high score (i.e., greater than 50) reflects fleatiner community conditions compared to other census tracts in the state.	
Indicator	Result for Project Census Tract
Economic	_
Above Poverty	27.48620557
Employed	12.39573977

Education — Backelor's or higher 21.46789409 High school orrollment 6.210701912 Preschool enrollment 4.980416 Tarnsportation — Auto Access 16.74579751 Active commuting \$2.20068293 Social — 2-parent households — Voting 30.668447 Neighborhood — Alcohol availability 49.82145515 Park access 6.25047007 Retail density 84.1729757 Supermarket access 32.42659664 Tree canopy 69.11330681 Housing habitability 40.7545239 Housing habitability 40.7545239 Low-inc homoowner severe housing cost burden 28.8923244 Low-inc meter severe housing cost burden 28.8923244 Uncrowded housing 28.9803264 Uncrowded housing cost burden 28.9803264 Uncrowded housing cost burden 30.1260039 Health Outcomed 40.2800000000000000000000000000000000000	Median HI	28.30745541
Bachelor's or higher 21.46798409 High school enrollment 6.210701912 Preschool enrollment 14.35904016 Transportation — Active commuting 52.2008293 Social — 2-parent households 25.3753388 Voting 30.6685487 Neighborhood — Alcohol availability 49.62145515 Park access 62.3047607 Retail density 36.41729757 Supermarket access 32.42653664 Tree canopy 69.1130081 Housing — Housing habitability 40.75452329 Housing habitability 40.75452329 Low-in- homeowner severe housing cost burden 28.8892364 Low-in- homeowner severe housing cost burden 28.88923264 Low-in- homeowner severe housing cost burden 30.12960348 Health Cutcomes — Insured adults 48.8395804 Arrhritis 33.8		20.007 10011
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Preschool enrollment 14.3690416 Transportation — Auto Access 16.74579751 Active commuting 52.20069293 Social — 2-parent households 27.5375388 Voting 30.6685487 Neighborhood — Alcohol availability 49.62145515 Park access 62.53047607 Retail density 36.41729757 Supermarket access 62.5304664 Tree canopy 69.11330681 Housing — Housing hobitability 40.75452329 Housing hobitability 40.75452329 Low-inc homeowner severe housing cost burden 63.4895884 Low-inc homeowner severe housing cost burden 83.85923264 Low-increert severe housing cost burden 91.269348 Health Outcomes — Insured adults 48.8898504 Arthritis 33.8		
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Voting 30.6885487 Neighborhood — Alcohol availability 49.62145515 Park access 62.53047607 Retail density 36.41729757 Supermarket access 32.42653664 Tree canopy 69.11330681 Housing — Homeownership 31.38714231 Housing habitability 40.75452329 Low-inc homeowner severe housing cost burden 63.7495188 Low-inc renter severe housing cost burden 28.85923264 Uncrowded housing 30.12960349 Health Outcomes — Insured adults 34.83895804 Arthritis 33.8	Social	_
Neighborhood — Alcohol availability 49.62145515 Park access 62.53047607 Retail density 36.41729757 Supermarket access 32.42653664 Tree canopy 69.11330681 Housing — Homeownership 31.38714231 Housing habitability 40.75452329 Low-inc homeowner severe housing cost burden 63.7495188 Low-inc renter severe housing cost burden 28.85923264 Uncrowded housing 30.12960349 Health Outcomes — Insured adults 34.83895804 Arthritis 33.8	2-parent households	27.53753368
Alcohol availability 49.62145515 Park access 62.5047607 Retail density 36.41729757 Supermarket access 32.42653664 Tree canopy 69.11330681 Housing - Homeownership 31.38714231 Housing habitability 40.7542329 Low-inc homeowner severe housing cost burden 63.7495188 Low-inc renter severe housing cost burden 28.85923264 Uncrowded housing 30.12960349 Health Outcomes - Insured adults 34.83895804 Arthritis 33.8	Voting	30.6685487
Park access 62.53047607 Retail density 36.41729757 Supermarket access 32.42653664 Tree canopy 69.11330681 Housing — Homeownership 31.38714231 Housing habitability 40.75452329 Low-inc homeowner severe housing cost burden 63.7495188 Low-inc renter severe housing cost burden 28.8592364 Uncrowded housing 30.12960349 Health Outcomes — Insured adults 34.83895804 Arthritis 33.8	Neighborhood	_
Retail density 36.41729757 Supermarket access 32.42653664 Tree canopy 69.1133081 Housing - Homeownership 31.38714231 Housing habitability 40.75452329 Low-inc homeowner severe housing cost burden 63.7495188 Low-inc renter severe housing cost burden 28.85923264 Uncrowded housing 30.12960349 Health Outcomes - Insured adults 34.83895804 Arthritis 33.8	Alcohol availability	49.62145515
Supermarket access 32.42653664 Tree canopy 69.11330681 Housing — Homeownership 31.38714231 Housing habitability 40.75452329 Low-inc homeowner severe housing cost burden 63.7495188 Low-inc renter severe housing cost burden 28.85923264 Uncrowded housing 30.12960349 Health Outcomes — Insured adults 34.83895804 Arthritis 33.8	Park access	62.53047607
Tree canopy 69.11330681 Housing — Homeownership 31.38714231 Housing habitability 40.75452329 Low-inc homeowner severe housing cost burden 63.7495188 Low-inc renter severe housing cost burden 28.85923264 Uncrowded housing 30.12960349 Health Outcomes — Insured adults 34.83895804 Arthritis 33.8	Retail density	36.41729757
Housing Housing — Homeownership 31.38714231 40.75452329 40.7545232	Supermarket access	32.42653664
Homeownership Housing habitability Low-inc homeowner severe housing cost burden Low-inc renter severe housing cost burden 28.85923264 Uncrowded housing	Tree canopy	69.11330681
Housing habitability Low-inc homeowner severe housing cost burden Low-inc renter severe housing cost burden 30.12960349 — Insured adults Arthritis 34.83895804 Arthritis 33.8	Housing	_
Low-inc homeowner severe housing cost burden Low-inc renter severe housing cost burden 28.85923264 Uncrowded housing 30.12960349 Health Outcomes Insured adults Arthritis 34.83895804 33.8	Homeownership	31.38714231
Low-inc renter severe housing cost burden 28.85923264 Uncrowded housing Health Outcomes Insured adults Arthritis 28.85923264 30.12960349 — 34.83895804 34.83895804 33.8	Housing habitability	40.75452329
Uncrowded housing 30.12960349 Health Outcomes — Insured adults 34.83895804 Arthritis 33.8	Low-inc homeowner severe housing cost burden	63.7495188
Health Outcomes — Insured adults 34.83895804 Arthritis 33.8	Low-inc renter severe housing cost burden	28.85923264
Insured adults 34.83895804 Arthritis 33.8	Uncrowded housing	30.12960349
Arthritis 33.8	Health Outcomes	_
	Insured adults	34.83895804
Asthma ER Admissions 7.2	Arthritis	33.8
	Asthma ER Admissions	7.2

High Blood Pressure	31.6
Cancer (excluding skin)	63.4
Asthma	18.0
Coronary Heart Disease	51.0
Chronic Obstructive Pulmonary Disease	25.1
Diagnosed Diabetes	36.9
Life Expectancy at Birth	26.7
Cognitively Disabled	33.5
Physically Disabled	45.1
Heart Attack ER Admissions	18.8
Mental Health Not Good	25.4
Chronic Kidney Disease	45.1
Obesity	20.7
Pedestrian Injuries	83.2
Physical Health Not Good	31.5
Stroke	34.3
Health Risk Behaviors	_
Binge Drinking	48.9
Current Smoker	20.2
No Leisure Time for Physical Activity	33.2
Climate Change Exposures	-
Wildfire Risk	0.0
SLR Inundation Area	40.9
Children	37.8
Elderly	74.7
English Speaking	34.0
Foreign-born	62.2

Outdoor Workers	13.3
Climate Change Adaptive Capacity	_
Impervious Surface Cover	39.1
Traffic Density	54.7
Traffic Access	56.6
Other Indices	_
Hardship	70.9
Other Decision Support	_
2016 Voting	32.5

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	84.0
Healthy Places Index Score for Project Location (b)	16.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	No
Project Located in a Low-Income Community (Assembly Bill 1550)	Yes
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

8. User Changes to Default Data

Screen	Justification
	38-acre excavation area for Managed Open Space - based on Project's Biological Resources Report and Preliminary Mitigation and Monitoring Plan
Construction: Construction Phases	Work is Rough Grading and Finish Excavation of 45 days between May 15 and Oct 15.
Construction: Off-Road Equipment	Project-specific equipment based on Preliminary Mitigation and Monitoring Plan for Managed Open Space

Highway 12 Logistics Center - Construction Phase 1 Detailed Report

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1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Highway 12 Logistics Center - Construction Phase 1
Construction Start Date	1/1/2024
Lead Agency	_
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	5.70
Precipitation (days)	39.2
Location	38.235860291314026, -122.0535823648253
County	Solano-San Francisco
City	Unincorporated
Air District	Bay Area AQMD
Air Basin	San Francisco Bay Area
TAZ	856
EDFZ	4
Electric Utility	Pacific Gas & Electric Company
Gas Utility	Pacific Gas & Electric
App Version	2022.1.1.14

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Refrigerated Warehouse-No Rail	1,276	1000sqft	93.4	1,276,237	1,144	_	_	_

Road Widening	1.97	Mile	7.13	0.00	_	_	_	_

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Construction	C-2*	Limit Heavy-Duty Diesel Vehicle Idling
Construction	C-5	Use Advanced Engine Tiers
Construction	C-10-A	Water Exposed Surfaces
Construction	C-12	Sweep Paved Roads
Construction	C-13	Use Low-VOC Paints for Construction

^{*} Qualitative or supporting measure. Emission reductions not included in the mitigated emissions results.

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

Un/Mit.	TOG	ROG	NOx	со	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Unmit.	9.34	7.85	72.5	71.3	0.14	3.18	13.7	16.8	2.92	4.24	7.16	_	15,594	15,594	0.62	0.26	4.32	15,690
Mit.	1.76	1.69	12.3	84.1	0.14	0.32	4.09	4.37	0.31	1.23	1.51	_	15,594	15,594	0.62	0.26	4.32	15,690
% Reduced	81%	78%	83%	-18%	_	90%	70%	74%	89%	71%	79%	_	_	_	_	_	_	_
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Unmit.	13.8	11.6	109	105	0.19	4.78	33.5	38.3	4.40	14.4	18.8	_	21,102	21,102	0.85	0.32	0.14	21,219
Mit.	2.32	2.25	15.2	113	0.19	0.38	9.38	9.76	0.38	3.90	4.28	_	21,102	21,102	0.85	0.32	0.14	21,219

% Reduced	83%	81%	86%	-8%	_	92%	72%	74%	91%	73%	77%	_	_	_	_	_	_	_
Average Daily (Max)	-	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Unmit.	4.24	3.56	33.4	32.6	0.06	1.45	8.59	10.0	1.33	3.41	4.74	_	6,830	6,830	0.27	0.11	0.84	6,872
Mit.	0.84	0.80	5.40	36.5	0.06	0.14	2.47	2.62	0.14	0.95	1.09	_	6,830	6,830	0.27	0.11	0.84	6,872
% Reduced	80%	78%	84%	-12%	_	90%	71%	74%	89%	72%	77%	_	_	_	_	_	_	_
Annual (Max)	_	_	_	_	_	_	_	-	_	_	_	_	_	_	_	_	_	_
Unmit.	0.77	0.65	6.10	5.94	0.01	0.26	1.57	1.83	0.24	0.62	0.87	_	1,131	1,131	0.05	0.02	0.14	1,138
Mit.	0.15	0.15	0.99	6.65	0.01	0.03	0.45	0.48	0.03	0.17	0.20	_	1,131	1,131	0.05	0.02	0.14	1,138
% Reduced	80%	78%	84%	-12%	-	90%	71%	74%	89%	72%	77%	_	-	-	_	_	-	-

2.2. Construction Emissions by Year, Unmitigated

Year	TOG	ROG	NOx	СО	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
2024	9.34	7.85	72.5	71.3	0.14	3.18	13.7	16.8	2.92	4.24	7.16	_	15,594	15,594	0.62	0.26	4.32	15,690
Daily - Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
2024	13.8	11.6	109	105	0.19	4.78	33.5	38.3	4.40	14.4	18.8	_	21,102	21,102	0.85	0.32	0.14	21,219
Average Daily	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
2024	4.24	3.56	33.4	32.6	0.06	1.45	8.59	10.0	1.33	3.41	4.74	_	6,830	6,830	0.27	0.11	0.84	6,872
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_

2024	0.77	0.65	6.10	5.94	0.01	0.26	1.57	1.83	0.24	0.62	0.87	_	1.131	1.131	0.05	0.02	0.14	1,138
2027	0.77	0.00	0.10	0.0-	0.01	0.20	1.07	1.00	0.27	0.02	0.07		1,101	1,101	0.00	0.02	0.14	1,100

2.3. Construction Emissions by Year, Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	со	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
2024	1.76	1.69	12.3	84.1	0.14	0.32	4.09	4.37	0.31	1.23	1.51	_	15,594	15,594	0.62	0.26	4.32	15,690
Daily - Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
2024	2.32	2.25	15.2	113	0.19	0.38	9.38	9.76	0.38	3.90	4.28	_	21,102	21,102	0.85	0.32	0.14	21,219
Average Daily	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
2024	0.84	0.80	5.40	36.5	0.06	0.14	2.47	2.62	0.14	0.95	1.09	_	6,830	6,830	0.27	0.11	0.84	6,872
Annual	_	_	_	<u> </u>	_	_	_	_	_	_	_	_	_	_	_	_		_
2024	0.15	0.15	0.99	6.65	0.01	0.03	0.45	0.48	0.03	0.17	0.20	<u> </u>	1,131	1,131	0.05	0.02	0.14	1,138

3. Construction Emissions Details

3.1. Site Preparation (2024) - Unmitigated

Location	TOG	ROG	NOx	со	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_

Daily, Winter (Max)	_	_	_	_				_	_	_	_		_	_	_		_	_
Off-Road Equipmen		3.65	36.0	32.9	0.05	1.60	_	1.60	1.47	_	1.47	_	5,296	5,296	0.21	0.04	_	5,314
Dust From Material Movemen	<u> </u>	_	-	_	_	_	19.7	19.7	_	10.1	10.1	_	_	_	_	_	_	_
Onsite truck	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	0.00
Average Daily	_	_	-	_	_	_	_	_	_	_	-	_	-	_	_	-	_	_
Off-Road Equipmen		0.60	5.91	5.41	0.01	0.26	_	0.26	0.24	_	0.24	_	871	871	0.04	0.01	_	874
Dust From Material Movemen	_	_	-	_	_	_	3.23	3.23	_	1.66	1.66	_	_	_	_	_	_	_
Onsite truck	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	0.00
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Off-Road Equipmen		0.11	1.08	0.99	< 0.005	0.05	_	0.05	0.04	_	0.04	_	144	144	0.01	< 0.005	_	145
Dust From Material Movemen	 :	_	-	_	_	_	0.59	0.59	_	0.30	0.30	_	_	_	_	_	_	_
Onsite truck	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	0.00
Offsite	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Daily, Summer (Max)	_	_	-	_	_	_	_	_	_	_	_	_		_	_	_	_	_

Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Worker	0.08	0.07	0.07	0.68	0.00	0.00	0.14	0.14	0.00	0.03	0.03	_	148	148	< 0.005	0.01	0.02	150
Vendor	0.01	< 0.005	0.15	0.06	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	_	109	109	< 0.005	0.02	0.01	114
Hauling	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	0.00
Average Daily	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Worker	0.01	0.01	0.01	0.11	0.00	0.00	0.02	0.02	0.00	0.01	0.01	_	24.6	24.6	< 0.005	< 0.005	0.05	24.9
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	_	17.9	17.9	< 0.005	< 0.005	0.02	18.7
Hauling	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	0.00
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	_	4.07	4.07	< 0.005	< 0.005	0.01	4.13
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	_	2.96	2.96	< 0.005	< 0.005	< 0.005	3.09
Hauling	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	0.00

3.2. Site Preparation (2024) - Mitigated

Location		ROG				PM10E				PM2.5D		BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	_	_	_	_	_	_	_	_	_	_	<u> </u>	_	_	_	_	_	_	_
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Off-Road Equipmen		0.50	2.59	28.3	0.05	0.10	_	0.10	0.10	_	0.10	_	5,296	5,296	0.21	0.04	_	5,314

Dust From Material Movemen	t		_	_	_	_	5.11	5.11		2.63	2.63	_		_	_	_	_	_
Onsite truck	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	0.00
Average Daily	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Off-Road Equipmen		0.08	0.43	4.65	0.01	0.02	_	0.02	0.02	_	0.02	_	871	871	0.04	0.01	_	874
Dust From Material Movemen	<u> </u>	-	_	_	_	_	0.84	0.84	_	0.43	0.43	_	_	_	_	_	_	_
Onsite truck	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	0.00
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Off-Road Equipmen		0.01	0.08	0.85	< 0.005	< 0.005	_	< 0.005	< 0.005	_	< 0.005	_	144	144	0.01	< 0.005	_	145
Dust From Material Movemen	 T	-	_	_	_	_	0.15	0.15	_	0.08	0.08	_	_	_	_	_	_	_
Onsite truck	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	0.00
Offsite	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Worker	0.08	0.07	0.07	0.68	0.00	0.00	0.14	0.14	0.00	0.03	0.03	_	148	148	< 0.005	0.01	0.02	150
Vendor	0.01	< 0.005	0.15	0.06	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	_	109	109	< 0.005	0.02	0.01	114
Hauling	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	0.00

Average Daily	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Worker	0.01	0.01	0.01	0.11	0.00	0.00	0.02	0.02	0.00	0.01	0.01	_	24.6	24.6	< 0.005	< 0.005	0.05	24.9
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	_	17.9	17.9	< 0.005	< 0.005	0.02	18.7
Hauling	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	0.00
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	_	4.07	4.07	< 0.005	< 0.005	0.01	4.13
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	_	2.96	2.96	< 0.005	< 0.005	< 0.005	3.09
Hauling	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	0.00

3.3. Grading (2024) - Unmitigated

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Location	TOG	ROG	NOx	СО	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Off-Road Equipmen		3.52	34.3	30.2	0.06	1.45	_	1.45	1.33	_	1.33	_	6,598	6,598	0.27	0.05	_	6,621
Dust From Material Movemen	<u> </u>	_	_	_	_	_	9.21	9.21	_	3.66	3.66	_	_	_	_	_	_	_
Onsite truck	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	0.00
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Off-Road Equipmen		3.52	34.3	30.2	0.06	1.45	_	1.45	1.33	_	1.33	_	6,598	6,598	0.27	0.05	_	6,621

Dust From Material Movemen	<u> </u>	_	_	_	_	_	9.21	9.21	_	3.66	3.66	_	_	_	_	_	_	_
Onsite truck	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	0.00
Average Daily	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Off-Road Equipmen		1.49	14.6	12.8	0.03	0.61	_	0.61	0.57	_	0.57	_	2,802	2,802	0.11	0.02	_	2,812
Dust From Material Movemen		_	_	_	_	_	3.91	3.91	_	1.55	1.55	_	_	_	_	_	_	_
Onsite truck	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	0.00
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Off-Road Equipmen		0.27	2.66	2.34	< 0.005	0.11	_	0.11	0.10	_	0.10	_	464	464	0.02	< 0.005	_	465
Dust From Material Movemen	_	_	_	_	_	_	0.71	0.71	_	0.28	0.28	_	_	_	_	_	_	_
Onsite truck	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	0.00
Offsite	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Worker	0.09	0.08	0.06	0.88	0.00	0.00	0.17	0.17	0.00	0.04	0.04	_	183	183	< 0.005	0.01	0.80	186
Vendor	0.01	< 0.005	0.15	0.06	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	_	109	109	< 0.005	0.02	0.29	114
Hauling	0.04	0.01	0.78	0.27	< 0.005	0.01	0.16	0.17	0.01	0.04	0.06	_	623	623	0.03	0.10	1.37	654
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_

Worker	0.09	0.08	0.08	0.78	0.00	0.00	0.17	0.17	0.00	0.04	0.04	_	169	169	0.01	0.01	0.02	171
Vendor	0.01	< 0.005	0.15	0.06	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	_	109	109	< 0.005	0.02	0.01	114
Hauling	0.04	0.01	0.83	0.28	< 0.005	0.01	0.16	0.17	0.01	0.04	0.06	_	623	623	0.03	0.10	0.04	653
Average Daily	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Worker	0.04	0.03	0.03	0.32	0.00	0.00	0.07	0.07	0.00	0.02	0.02	_	72.5	72.5	< 0.005	< 0.005	0.15	73.6
Vendor	< 0.005	< 0.005	0.06	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	_	46.1	46.1	< 0.005	0.01	0.05	48.3
Hauling	0.02	0.01	0.34	0.12	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	_	265	265	0.01	0.04	0.25	278
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Worker	0.01	0.01	0.01	0.06	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	_	12.0	12.0	< 0.005	< 0.005	0.02	12.2
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	_	7.63	7.63	< 0.005	< 0.005	0.01	7.99
Hauling	< 0.005	< 0.005	0.06	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	_	43.8	43.8	< 0.005	0.01	0.04	46.0

3.4. Grading (2024) - Mitigated

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Location	TOG	ROG	NOx	СО	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	_	_	_	_	_	_	_	_		_	_	_		_	_	_	_	_
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Off-Road Equipmen		0.64	4.43	35.3	0.06	0.12	_	0.12	0.12	_	0.12	_	6,598	6,598	0.27	0.05	_	6,621
Dust From Material Movemen		_	_	_	_	_	2.40	2.40	_	0.95	0.95	_	_		_	_	_	_
Onsite truck	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	0.00
Daily, Winter (Max)	_	_		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_

Off-Road Equipmen		0.64	4.43	35.3	0.06	0.12	_	0.12	0.12	_	0.12	_	6,598	6,598	0.27	0.05	_	6,621
Dust From Material Movemen		_	_	-	_	_	2.40	2.40	_	0.95	0.95	_	_	_	_	_	_	-
Onsite truck	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	0.00
Average Daily	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Off-Road Equipmen		0.27	1.88	15.0	0.03	0.05	_	0.05	0.05	_	0.05	_	2,802	2,802	0.11	0.02	_	2,812
Dust From Material Movemen	t	_	_	_	_	_	1.02	1.02	_	0.40	0.40	_	_	_	_	_	_	-
Onsite truck	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	0.00
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Off-Road Equipmen		0.05	0.34	2.74	< 0.005	0.01	_	0.01	0.01	_	0.01	_	464	464	0.02	< 0.005	_	465
Dust From Material Movemen		_	_	-	_	_	0.19	0.19	_	0.07	0.07	_	_	_	_	_	_	-
Onsite truck	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	0.00
Offsite	_	_	_	-	_	_	_	_	_	_	-	_	_	_	_	_	_	_
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	-
Worker	0.09	0.08	0.06	0.88	0.00	0.00	0.17	0.17	0.00	0.04	0.04	_	183	183	< 0.005	0.01	0.80	186
Vendor	0.01	< 0.005	0.15	0.06	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	_	109	109	< 0.005	0.02	0.29	114
Hauling	0.04	0.01	0.78	0.27	< 0.005	0.01	0.16	0.17	0.01	0.04	0.06	_	623	623	0.03	0.10	1.37	654

Daily, Winter (Max)	_		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Worker	0.09	0.08	0.08	0.78	0.00	0.00	0.17	0.17	0.00	0.04	0.04	_	169	169	0.01	0.01	0.02	171
Vendor	0.01	< 0.005	0.15	0.06	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	_	109	109	< 0.005	0.02	0.01	114
Hauling	0.04	0.01	0.83	0.28	< 0.005	0.01	0.16	0.17	0.01	0.04	0.06	_	623	623	0.03	0.10	0.04	653
Average Daily	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Worker	0.04	0.03	0.03	0.32	0.00	0.00	0.07	0.07	0.00	0.02	0.02	_	72.5	72.5	< 0.005	< 0.005	0.15	73.6
Vendor	< 0.005	< 0.005	0.06	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	_	46.1	46.1	< 0.005	0.01	0.05	48.3
Hauling	0.02	0.01	0.34	0.12	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	_	265	265	0.01	0.04	0.25	278
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Worker	0.01	0.01	0.01	0.06	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	_	12.0	12.0	< 0.005	< 0.005	0.02	12.2
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	_	7.63	7.63	< 0.005	< 0.005	0.01	7.99
Hauling	< 0.005	< 0.005	0.06	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	_	43.8	43.8	< 0.005	0.01	0.04	46.0

3.5. Linear, Grubbing & Land Clearing (2024) - Unmitigated

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Location	TOG	ROG	NOx	СО	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Off-Road Equipmen		0.53	4.53	4.54	0.01	0.27	_	0.27	0.25	_	0.25	_	632	632	0.03	0.01	_	634

Dust From Material Movemen	 t	_	_	_	_	_	0.53	0.53	_	0.06	0.06	_	_	_	_	_		_
Onsite truck	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	0.00
Average Daily	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Off-Road Equipmen		0.03	0.24	0.24	< 0.005	0.01	_	0.01	0.01	_	0.01	_	32.9	32.9	< 0.005	< 0.005	_	33.0
Dust From Material Movemen	<u> </u>	_	_	_	_	_	0.03	0.03		< 0.005	< 0.005	_	_	_	_		_	_
Onsite truck	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	0.00
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Off-Road Equipmen		0.01	0.04	0.04	< 0.005	< 0.005	_	< 0.005	< 0.005	_	< 0.005	_	5.45	5.45	< 0.005	< 0.005	_	5.47
Dust From Material Movemen	_	_	-	_	_	_	0.01	0.01	_	< 0.005	< 0.005	_	_	_	_	_	_	_
Onsite truck	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	0.00
Offsite	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Daily, Summer (Max)	_	-	_	_	_	_	_	_	-	_	_	_	_	_	_	_	_	_
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Worker	0.06	0.06	0.06	0.59	0.00	0.00	0.12	0.12	0.00	0.03	0.03	_	127	127	< 0.005	0.01	0.02	128
Vendor	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	0.00
Hauling	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	0.00

Average Daily	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	_	6.67	6.67	< 0.005	< 0.005	0.01	6.77
Vendor	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	0.00
Hauling	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	0.00
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	_	1.10	1.10	< 0.005	< 0.005	< 0.005	1.12
Vendor	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	0.00
Hauling	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	0.00

3.6. Linear, Grubbing & Land Clearing (2024) - Mitigated

	. Circiton	110 (1107 0101	y	ily, tOll/yl			, , ,	i.e. diet.	,,, ,	,	J. 11 1 J. J. 1							
Location	TOG	ROG	NOx	СО	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_		_
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Off-Road Equipmen		0.08	1.50	4.42	0.01	0.01	_	0.01	0.01	_	0.01	_	632	632	0.03	0.01	_	634
Dust From Material Movemen	_	_	_	_	_	_	0.14	0.14	_	0.01	0.01	_	_	_	_	_	_	_
Onsite truck	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	0.00
Average Daily	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Off-Road Equipmen		< 0.005	0.08	0.23	< 0.005	< 0.005	_	< 0.005	< 0.005	_	< 0.005	_	32.9	32.9	< 0.005	< 0.005	_	33.0

Dust From	_	_	_	_	_	_	0.01	0.01	_	< 0.005	< 0.005	_	_	_	-	_	_	_
Material Movemen	Ì.																	
Onsite truck	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	0.00
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Off-Road Equipmen		< 0.005	0.01	0.04	< 0.005	< 0.005	_	< 0.005	< 0.005	_	< 0.005	_	5.45	5.45	< 0.005	< 0.005	_	5.47
Dust From Material Movemen	 :		_	_	_	_	< 0.005	< 0.005		< 0.005	< 0.005	_	_		_		_	_
Onsite truck	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	0.00
Offsite	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	-
Daily, Winter (Max)	_	-	_	_	_	_	_	_	_	_	_	_	_	_	-	_	_	_
Worker	0.06	0.06	0.06	0.59	0.00	0.00	0.12	0.12	0.00	0.03	0.03	_	127	127	< 0.005	0.01	0.02	128
Vendor	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	0.00
Hauling	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	0.00
Average Daily	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	_	6.67	6.67	< 0.005	< 0.005	0.01	6.77
Vendor	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	0.00
Hauling	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	0.00
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	_	1.10	1.10	< 0.005	< 0.005	< 0.005	1.12
Vendor	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	0.00

Hauling	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	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	0.00	0.00

3.7. Linear, Grading & Excavation (2024) - Unmitigated

Location	TOG	ROG	NOx	СО	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Off-Road Equipmen		4.05	37.0	37.9	0.07	1.71	_	1.71	1.58	_	1.58	_	7,644	7,644	0.31	0.06	_	7,670
Dust From Material Movemen		_	_	_	_	_	3.71	3.71	_	0.40	0.40	_	_	_	_	_	_	_
Onsite truck	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	0.00
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Off-Road Equipmen		4.05	37.0	37.9	0.07	1.71	_	1.71	1.58	_	1.58	_	7,644	7,644	0.31	0.06	_	7,670
Dust From Material Movemen	<u></u>	-	-	_	_	_	3.71	3.71	_	0.40	0.40	_	-	_	_	_	_	_
Onsite truck	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	0.00
Average Daily	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Off-Road Equipmen		0.86	7.92	8.10	0.02	0.37	_	0.37	0.34	-	0.34	_	1,633	1,633	0.07	0.01	_	1,639

Dust From Material Movemen	-			_			0.79	0.79		0.09	0.09	_		_	_			_
Onsite truck	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	0.00
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Off-Road Equipmen		0.16	1.44	1.48	< 0.005	0.07	_	0.07	0.06	_	0.06	_	270	270	0.01	< 0.005	_	271
Dust From Material Movemen	_	_	_	_	_	_	0.14	0.14	_	0.02	0.02	_	_	_	_	_	_	_
Onsite truck	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	0.00
Offsite	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Daily, Summer (Max)	_	_	-	_	_	_	_	_	_	_	_	_	_	_	_	_	_	-
Worker	0.20	0.19	0.13	1.97	0.00	0.00	0.37	0.37	0.00	0.09	0.09	_	411	411	0.01	0.02	1.79	417
Vendor	< 0.005	< 0.005	0.04	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	_	27.1	27.1	< 0.005	< 0.005	0.07	28.4
Hauling	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	0.00
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Worker	0.19	0.18	0.17	1.76	0.00	0.00	0.37	0.37	0.00	0.09	0.09	_	380	380	0.01	0.02	0.05	385
Vendor	< 0.005	< 0.005	0.04	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	_	27.2	27.2	< 0.005	< 0.005	< 0.005	28.4
Hauling	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	0.00
Average Daily	_	_	_	_	_	_	_	_	_	_	_	_		_	_	_	_	_
Worker	0.04	0.04	0.03	0.36	0.00	0.00	0.08	0.08	0.00	0.02	0.02	_	82.1	82.1	< 0.005	< 0.005	0.16	83.3
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	_	5.80	5.80	< 0.005	< 0.005	0.01	6.07
Hauling	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	0.00

Annual	_	_	_	_	_	_	_	_	_	_	_	<u> </u>	_	_	_	_	_	_
Worker	0.01	0.01	0.01	0.07	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	<u> </u>	13.6	13.6	< 0.005	< 0.005	0.03	13.8
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	_	0.96	0.96	< 0.005	< 0.005	< 0.005	1.01
Hauling	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	0.00

3.8. Linear, Grading & Excavation (2024) - Mitigated

Location	TOG	ROG	NOx	со	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Off-Road Equipmen		0.76	6.73	45.6	0.07	0.14	_	0.14	0.14	_	0.14	_	7,644	7,644	0.31	0.06	_	7,670
Dust From Material Movemen	<u> </u>	_	_	_	_	_	0.97	0.97	_	0.10	0.10	_	_	_	_	_	_	_
Onsite truck	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	0.00
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	-
Off-Road Equipmen		0.76	6.73	45.6	0.07	0.14	_	0.14	0.14	_	0.14	_	7,644	7,644	0.31	0.06	_	7,670
Dust From Material Movemen		_	_	_	_	_	0.97	0.97	_	0.10	0.10	_	_	_	_	_	_	_
Onsite truck	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	0.00
Average Daily	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_

Off-Road Equipmen		0.16	1.44	9.74	0.02	0.03	_	0.03	0.03	_	0.03	_	1,633	1,633	0.07	0.01	_	1,639
Dust From Material Movemen	<u> </u>	_	_	_	_	_	0.21	0.21	_	0.02	0.02	_	_	_	_	_		_
Onsite truck	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	0.00
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Off-Road Equipmen		0.03	0.26	1.78	< 0.005	0.01	_	0.01	0.01	_	0.01	_	270	270	0.01	< 0.005	_	271
Dust From Material Movemen		_	_	-	_	-	0.04	0.04	_	< 0.005	< 0.005	_	_	-	_	_	_	_
Onsite truck	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	0.00
Offsite	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Daily, Summer (Max)	_	_	_	_	_	_	-	_	_	_	_	_	_	_	_	_	_	-
Worker	0.20	0.19	0.13	1.97	0.00	0.00	0.37	0.37	0.00	0.09	0.09	_	411	411	0.01	0.02	1.79	417
Vendor	< 0.005	< 0.005	0.04	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	_	27.1	27.1	< 0.005	< 0.005	0.07	28.4
Hauling	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	0.00
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Worker	0.19	0.18	0.17	1.76	0.00	0.00	0.37	0.37	0.00	0.09	0.09	_	380	380	0.01	0.02	0.05	385
Vendor	< 0.005	< 0.005	0.04	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	_	27.2	27.2	< 0.005	< 0.005	< 0.005	28.4
Hauling	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	0.00
Average Daily	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Worker	0.04	0.04	0.03	0.36	0.00	0.00	0.08	0.08	0.00	0.02	0.02	_	82.1	82.1	< 0.005	< 0.005	0.16	83.3

Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	_	5.80	5.80	< 0.005	< 0.005	0.01	6.07
Hauling	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	0.00
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Worker	0.01	0.01	0.01	0.07	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	_	13.6	13.6	< 0.005	< 0.005	0.03	13.8
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	_	0.96	0.96	< 0.005	< 0.005	< 0.005	1.01
Hauling	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	0.00

3.9. Linear, Drainage, Utilities, & Sub-Grade (2024) - Unmitigated

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Location	TOG	ROG	NOx	СО	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Off-Road Equipmen		2.04	19.3	20.4	0.04	0.81	_	0.81	0.74	_	0.74	_	4,089	4,089	0.17	0.03	_	4,103
Dust From Material Movemen	<u> </u>	_	_	_	_	_	1.59	1.59	_	0.17	0.17	_	_	_	_	_	_	_
Onsite truck	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	0.00
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Average Daily	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Off-Road Equipmen		0.38	3.60	3.80	0.01	0.15	_	0.15	0.14	_	0.14	_	762	762	0.03	0.01	_	764

Dust From Material	_	_	_	_	_	_	0.30	0.30	_	0.03	0.03	_	_	_	_	_	_	_
Movemen	t																	
Onsite truck	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	0.00
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Off-Road Equipmen		0.07	0.66	0.69	< 0.005	0.03	_	0.03	0.03	_	0.03	_	126	126	0.01	< 0.005	_	127
Dust From Material Movemen	<u> </u>	_	_	_	_	_	0.05	0.05	_	0.01	0.01	_	-	_	_	_	_	_
Onsite truck	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	0.00
Offsite	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Daily, Summer (Max)	_	-	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Worker	0.15	0.13	0.09	1.42	0.00	0.00	0.27	0.27	0.00	0.06	0.06	_	297	297	0.01	0.01	1.29	302
Vendor	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	0.00
Hauling	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	0.00
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	-
Average Daily	_	_	_	_	_	_	_	_	_	_	_	_	-	_	_	_	_	_
Worker	0.03	0.02	0.02	0.23	0.00	0.00	0.05	0.05	0.00	0.01	0.01	_	51.7	51.7	< 0.005	< 0.005	0.10	52.5
Vendor	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	0.00
Hauling	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	0.00
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	_	8.56	8.56	< 0.005	< 0.005	0.02	8.69
Vendor	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	0.00

I F	lauling	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	0.00
١.	.aag	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	0.00

3.10. Linear, Drainage, Utilities, & Sub-Grade (2024) - Mitigated

	TOG	ROG	NOx	СО	SO2	PM10E	PM10D	PM10T		PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Daily, Summer (Max)	_		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Off-Road Equipmen		0.75	4.70	24.6	0.04	0.18	_	0.18	0.17	_	0.17	_	4,089	4,089	0.17	0.03	_	4,103
Dust From Material Movemen	<u> </u>	_	_	_		_	0.41	0.41	_	0.04	0.04		_		_	_		_
Onsite truck	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	0.00
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Average Daily	_	_	_	_	_	_	_	_	_	_	_	_	_	-	_	_	_	_
Off-Road Equipmen		0.14	0.88	4.58	0.01	0.03	_	0.03	0.03	_	0.03	_	762	762	0.03	0.01	_	764
Dust From Material Movemen	<u> </u>	_	_	-	_	-	0.08	0.08	-	0.01	0.01	_	-	_	-	_	_	_
Onsite truck	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	0.00
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Off-Road Equipmen		0.03	0.16	0.84	< 0.005	0.01	_	0.01	0.01	_	0.01	_	126	126	0.01	< 0.005	_	127

Dust From Material Movemen		_	_	_	_	_	0.01	0.01	_	< 0.005	< 0.005	_	_	_	_	_	_	
Onsite truck	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	0.00
Offsite	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	
Worker	0.15	0.13	0.09	1.42	0.00	0.00	0.27	0.27	0.00	0.06	0.06	_	297	297	0.01	0.01	1.29	302
Vendor	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	0.00
Hauling	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	0.00
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Average Daily	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Worker	0.03	0.02	0.02	0.23	0.00	0.00	0.05	0.05	0.00	0.01	0.01	_	51.7	51.7	< 0.005	< 0.005	0.10	52.5
Vendor	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	0.00
Hauling	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	0.00
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	_	8.56	8.56	< 0.005	< 0.005	0.02	8.69
Vendor	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	0.00
Hauling	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	0.00

3.11. Linear, Paving (2024) - Unmitigated

Location	TOG	ROG	NOx	со	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_

Daily, Summer (Max)	_	_	_	_	_	_		_			_	_	_	_	_	_	_	_
Off-Road Equipment		0.93	8.43	11.8	0.02	0.40	_	0.40	0.37	_	0.37	_	1,769	1,769	0.07	0.01	_	1,775
Onsite truck	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	0.00
Daily, Winter (Max)	_	-	_	-	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Average Daily	_	_	_	_		_		_	_	_	_	_	_	_	_	_	_	_
Off-Road Equipment		0.07	0.67	0.94	< 0.005	0.03	_	0.03	0.03	_	0.03	_	141	141	0.01	< 0.005	-	141
Onsite truck	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	0.00
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Off-Road Equipment		0.01	0.12	0.17	< 0.005	0.01	_	0.01	0.01	_	0.01	-	23.3	23.3	< 0.005	< 0.005	-	23.3
Onsite truck	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	0.00
Offsite	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Worker	0.11	0.10	0.07	1.10	0.00	0.00	0.21	0.21	0.00	0.05	0.05	_	228	228	< 0.005	0.01	1.00	232
Vendor	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	0.00
Hauling	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	0.00
Daily, Winter (Max)	_	_	_	-	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Average Daily	_	-	_	-	_	-	_	-	-	-	_	-	-	_	_	-	-	-

Worker	0.01	0.01	0.01	0.07	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	_	17.0	17.0	< 0.005	< 0.005	0.03	17.2
Vendor	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	0.00
Hauling	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	0.00
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	_	2.81	2.81	< 0.005	< 0.005	0.01	2.85
Vendor	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	0.00
Hauling	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	0.00

3.12. Linear, Paving (2024) - Mitigated

Location	TOG	ROG	NOx	со	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	<u> </u>	_	_
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Off-Road Equipmen		0.18	2.06	12.4	0.02	0.03	_	0.03	0.03	_	0.03	_	1,769	1,769	0.07	0.01	_	1,775
Onsite truck	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	0.00
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Average Daily	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Off-Road Equipmen		0.01	0.16	0.98	< 0.005	< 0.005	_	< 0.005	< 0.005	_	< 0.005	_	141	141	0.01	< 0.005	_	141
Onsite truck	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	0.00
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Off-Road Equipmen		< 0.005	0.03	0.18	< 0.005	< 0.005	_	< 0.005	< 0.005	_	< 0.005	_	23.3	23.3	< 0.005	< 0.005	_	23.3

Onsite truck	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	0.00
Offsite	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	-	_	_	_	_	_	_	_
Worker	0.11	0.10	0.07	1.10	0.00	0.00	0.21	0.21	0.00	0.05	0.05	_	228	228	< 0.005	0.01	1.00	232
Vendor	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	0.00
Hauling	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	0.00
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Average Daily	_	_	_	_	_	_	_	_	_	_	_	-	_	_	_	_	_	_
Worker	0.01	0.01	0.01	0.07	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	_	17.0	17.0	< 0.005	< 0.005	0.03	17.2
Vendor	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	0.00
Hauling	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	0.00
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	_	2.81	2.81	< 0.005	< 0.005	0.01	2.85
Vendor	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	0.00
Hauling	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	0.00

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

			,	J. J					. .									
Vegetatio	TOG	ROG	NOx	со	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
n																		

Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Total	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Total	_	_	_	_	_	_	_	_	<u> </u>	_	_	_	_	_	_	_	_	_
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Total	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG		СО						PM2.5D		BCO2	NBCO2	СО2Т	CH4	N2O	R	CO2e
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Total	_	_	_	_	_	_	_	_	<u> </u>	_	_	_	_	_	_	_	_	_
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Total	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Total	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Species TOG ROG NOx CO	SO2 PM10E	PM10D PM10T PM2.5E	PM2.5D PM2.5T BCO2	D2 NBCO2 CO2T C	:H4 N2O R CO2e

Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Avoided	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Subtotal	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Sequest ered	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Subtotal	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Remove d	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Subtotal	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Avoided	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Subtotal	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Sequest ered	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Subtotal	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Remove d	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Subtotal	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Avoided	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Subtotal	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Sequest ered	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Subtotal	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_

Remove d	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Subtotal	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetatio n	TOG	ROG		со	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Total	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Total	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Total	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

Land Use	TOG	ROG		СО	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Total	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_

Total	_	_	_	_	_	_	_	_	_	_	_	_	_	_	-	_	_	_
Annual	_	_	_	_	_	_	<u> </u>	_	_	_	_	_	_	_	_	_	_	_
Total	_	_	_	_	_	_	<u> </u>	_	_	_	_	_	_	_	_	_	_	_

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

Species	TOG	ROG	NOx	со	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	_	-	_	-	-	_	_	-	-	-	_	-	-	_	_	-	-	-
Avoided	_	_	_		_	_	_	_	_	_	_	_	_	_	_	_	_	_
Subtotal	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Sequest ered	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Subtotal	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Remove d	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Subtotal	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Avoided	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Subtotal	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Sequest ered	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Subtotal	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Remove d	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Subtotal	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_

_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Annual	_	_	<u> </u>	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Avoided	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Subtotal	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Sequest ered	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Subtotal	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Remove d	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Subtotal	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Site Preparation	Site Preparation	1/1/2024	3/22/2024	5.00	60.0	_
Grading	Grading	2/27/2024	9/30/2024	5.00	155	_
Linear, Grubbing & Land Clearing	Linear, Grubbing & Land Clearing	1/1/2024	1/27/2024	5.00	19.0	_
Linear, Grading & Excavation	Linear, Grading & Excavation	1/28/2024	5/16/2024	5.00	78.0	_
Linear, Drainage, Utilities, & Sub-Grade	Linear, Drainage, Utilities, & Sub-Grade	5/17/2024	8/20/2024	5.00	68.0	_
Linear, Paving	Linear, Paving	8/21/2024	9/30/2024	5.00	29.0	_

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Site Preparation	Rubber Tired Dozers	Diesel	Average	3.00	8.00	367	0.40
Site Preparation	Tractors/Loaders/Backh oes	Diesel	Average	4.00	8.00	84.0	0.37
Grading	Graders	Diesel	Average	1.00	8.00	148	0.41
Grading	Excavators	Diesel	Average	2.00	8.00	36.0	0.38
Grading	Tractors/Loaders/Backh oes	Diesel	Average	2.00	8.00	84.0	0.37
Grading	Scrapers	Diesel	Average	2.00	8.00	423	0.48
Grading	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Linear, Grubbing & Land Clearing	Signal Boards	Electric	Average	3.00	8.00	6.00	0.82
Linear, Grubbing & Land Clearing	Crawler Tractors	Diesel	Average	1.00	8.00	87.0	0.43
Linear, Grubbing & Land Clearing	Excavators	Diesel	Average	2.00	8.00	36.0	0.38
_inear, Grading & Excavation	Excavators	Diesel	Average	3.00	8.00	36.0	0.38
Linear, Grading & Excavation	Crawler Tractors	Diesel	Average	1.00	8.00	87.0	0.43
Linear, Grading & Excavation	Graders	Diesel	Average	2.00	8.00	148	0.41
Linear, Grading & Excavation	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
Linear, Grading & Excavation	Signal Boards	Electric	Average	3.00	8.00	6.00	0.82
Linear, Grading & Excavation	Tractors/Loaders/Backh oes	Diesel	Average	4.00	8.00	84.0	0.37
inear, Grading &	Rubber Tired Loaders	Diesel	Average	1.00	8.00	150	0.36
inear, Grading &	Scrapers	Diesel	Average	2.00	8.00	423	0.48

Linear, Drainage, Utilities, & Sub-Grade	Scrapers	Diesel	Average	1.00	8.00	423	0.48
Linear, Drainage, Utilities, & Sub-Grade	Rough Terrain Forklifts	Diesel	Average	1.00	8.00	96.0	0.40
Linear, Drainage, Utilities, & Sub-Grade	Tractors/Loaders/Backh oes	Diesel	Average	3.00	8.00	84.0	0.37
Linear, Drainage, Utilities, & Sub-Grade	Signal Boards	Electric	Average	3.00	8.00	6.00	0.82
Linear, Drainage, Utilities, & Sub-Grade	Graders	Diesel	Average	1.00	8.00	148	0.41
Linear, Drainage, Utilities, & Sub-Grade	Plate Compactors	Diesel	Average	1.00	8.00	8.00	0.43
Linear, Drainage, Utilities, & Sub-Grade	Pumps	Diesel	Average	1.00	8.00	11.0	0.74
Linear, Drainage, Utilities, & Sub-Grade	Air Compressors	Diesel	Average	1.00	8.00	37.0	0.48
Linear, Drainage, Utilities, & Sub-Grade	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Linear, Paving	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
Linear, Paving	Paving Equipment	Diesel	Average	1.00	8.00	89.0	0.36
Linear, Paving	Pavers	Diesel	Average	1.00	8.00	81.0	0.42
Linear, Paving	Tractors/Loaders/Backh oes	Diesel	Average	3.00	8.00	84.0	0.37
Linear, Paving	Signal Boards	Electric	Average	3.00	8.00	6.00	0.82

5.2.2. Mitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Site Preparation	Rubber Tired Dozers	Diesel	Tier 4 Final	3.00	8.00	367	0.40
Site Preparation	Tractors/Loaders/Backh oes	Diesel	Tier 4 Final	4.00	8.00	84.0	0.37
Grading	Graders	Diesel	Tier 4 Final	1.00	8.00	148	0.41

2.00			
2.00	8.00	84.0	0.37
2.00	8.00	423	0.48
1.00	8.00	367	0.40
3.00	8.00	6.00	0.82
1.00	8.00	87.0	0.43
2.00	8.00	36.0	0.38
3.00	8.00	36.0	0.38
1.00	8.00	87.0	0.43
2.00	8.00	148	0.41
2.00	8.00	36.0	0.38
3.00	8.00	6.00	0.82
4.00	8.00	84.0	0.37
1.00	8.00	150	0.36
2.00	8.00	423	0.48
1.00	8.00	423	0.48
1.00	8.00	96.0	0.40
3.00	8.00	84.0	0.37
	1.00 3.00 1.00 2.00 3.00 1.00 2.00 2.00 3.00 4.00 1.00 2.00 1.00 1.00	1.00 8.00 3.00 8.00 1.00 8.00 2.00 8.00 3.00 8.00 2.00 8.00 2.00 8.00 3.00 8.00 4.00 8.00 1.00 8.00 1.00 8.00 1.00 8.00 1.00 8.00	1.00 8.00 367 3.00 8.00 6.00 1.00 8.00 87.0 2.00 8.00 36.0 3.00 8.00 36.0 1.00 8.00 87.0 2.00 8.00 148 2.00 8.00 36.0 3.00 8.00 6.00 4.00 8.00 84.0 1.00 8.00 423 1.00 8.00 96.0

Linear, Drainage, Utilities, & Sub-Grade	Signal Boards	Electric	Average	3.00	8.00	6.00	0.82
Linear, Drainage, Utilities, & Sub-Grade	Graders	Diesel	Tier 4 Final	1.00	8.00	148	0.41
Linear, Drainage, Utilities, & Sub-Grade	Plate Compactors	Diesel	Average	1.00	8.00	8.00	0.43
Linear, Drainage, Utilities, & Sub-Grade	Pumps	Diesel	Average	1.00	8.00	11.0	0.74
Linear, Drainage, Utilities, & Sub-Grade	Air Compressors	Diesel	Average	1.00	8.00	37.0	0.48
Linear, Drainage, Utilities, & Sub-Grade	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Linear, Paving	Rollers	Diesel	Tier 4 Final	2.00	8.00	36.0	0.38
Linear, Paving	Paving Equipment	Diesel	Tier 4 Final	1.00	8.00	89.0	0.36
Linear, Paving	Pavers	Diesel	Tier 4 Final	1.00	8.00	81.0	0.42
Linear, Paving	Tractors/Loaders/Backh oes	Diesel	Tier 4 Final	3.00	8.00	84.0	0.37
Linear, Paving	Signal Boards	Electric	Average	3.00	8.00	6.00	0.82

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Site Preparation	_	_	_	_
Site Preparation	Worker	17.5	11.7	LDA,LDT1,LDT2
Site Preparation	Vendor	4.00	8.40	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	_	_	HHDT
Grading	_	_	_	_
Grading	Worker	20.0	11.7	LDA,LDT1,LDT2

Grading	Vendor	4.00	8.40	HHDT,MHDT
Grading	Hauling	8.69	20.0	HHDT
Grading	Onsite truck	_	_	HHDT
Linear, Grubbing & Land Clearing	_	_	_	_
Linear, Grubbing & Land Clearing	Worker	15.0	11.7	LDA,LDT1,LDT2
Linear, Grubbing & Land Clearing	Vendor	_	8.40	HHDT,MHDT
Linear, Grubbing & Land Clearing	Hauling	0.00	20.0	HHDT
Linear, Grubbing & Land Clearing	Onsite truck	_	_	HHDT
Linear, Grading & Excavation	_	_	_	_
Linear, Grading & Excavation	Worker	45.0	11.7	LDA,LDT1,LDT2
Linear, Grading & Excavation	Vendor	1.00	8.40	HHDT,MHDT
Linear, Grading & Excavation	Hauling	0.00	20.0	HHDT
Linear, Grading & Excavation	Onsite truck	_	_	HHDT
Linear, Drainage, Utilities, & Sub-Grade	_	_	_	_
Linear, Drainage, Utilities, & Sub-Grade	Worker	32.5	11.7	LDA,LDT1,LDT2
Linear, Drainage, Utilities, & Sub-Grade	Vendor	_	8.40	HHDT,MHDT
Linear, Drainage, Utilities, & Sub-Grade	Hauling	0.00	20.0	HHDT
Linear, Drainage, Utilities, & Sub-Grade	Onsite truck	_	_	HHDT
Linear, Paving	_	_	_	_
Linear, Paving	Worker	25.0	11.7	LDA,LDT1,LDT2
Linear, Paving	Vendor	_	8.40	HHDT,MHDT
Linear, Paving	Hauling	0.00	20.0	HHDT
Linear, Paving	Onsite truck	_	_	HHDT

5.3.2. Mitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Site Preparation	_	_	_	_

Site Preparation	Worker	17.5	11.7	LDA,LDT1,LDT2
Site Preparation	Vendor	4.00	8.40	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	_	_	HHDT
Grading	_	_	_	_
Grading	Worker	20.0	11.7	LDA,LDT1,LDT2
Grading	Vendor	4.00	8.40	HHDT,MHDT
Grading	Hauling	8.69	20.0	HHDT
Grading	Onsite truck	_	_	HHDT
Linear, Grubbing & Land Clearing	_	_	_	_
Linear, Grubbing & Land Clearing	Worker	15.0	11.7	LDA,LDT1,LDT2
Linear, Grubbing & Land Clearing	Vendor	_	8.40	HHDT,MHDT
Linear, Grubbing & Land Clearing	Hauling	0.00	20.0	HHDT
Linear, Grubbing & Land Clearing	Onsite truck	_	_	HHDT
Linear, Grading & Excavation	_	_	_	_
Linear, Grading & Excavation	Worker	45.0	11.7	LDA,LDT1,LDT2
Linear, Grading & Excavation	Vendor	1.00	8.40	HHDT,MHDT
Linear, Grading & Excavation	Hauling	0.00	20.0	HHDT
Linear, Grading & Excavation	Onsite truck	_	_	HHDT
Linear, Drainage, Utilities, & Sub-Grade	_	_	_	_
Linear, Drainage, Utilities, & Sub-Grade	Worker	32.5	11.7	LDA,LDT1,LDT2
Linear, Drainage, Utilities, & Sub-Grade	Vendor	_	8.40	HHDT,MHDT
Linear, Drainage, Utilities, & Sub-Grade	Hauling	0.00	20.0	HHDT
Linear, Drainage, Utilities, & Sub-Grade	Onsite truck	_	_	HHDT
Linear, Paving	_	_	_	_
Linear, Paving	Worker	25.0	11.7	LDA,LDT1,LDT2
Linear, Paving	Vendor	_	8.40	HHDT,MHDT

Linear, Paving	Hauling	0.00	20.0	HHDT
Linear, Paving	Onsite truck	_	_	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated	Residential Exterior Area Coated	Non-Residential Interior Area	Non-Residential Exterior Area	Parking Area Coated (sq ft)
	(sq ft)	(sq ft)	Coated (sq ft)	Coated (sq ft)	

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (cy)	Material Exported (cy)	Acres Graded (acres)	Material Demolished (sq. ft.)	Acres Paved (acres)
Site Preparation	_	_	90.0	0.00	_
Grading	10,770	_	465	0.00	_
Linear, Grubbing & Land Clearing	_	_	7.13	0.00	_
Linear, Grading & Excavation	_	_	7.13	0.00	_
Linear, Drainage, Utilities, & Sub-Grade	_	_	7.13	0.00	_

5.6.2. Construction Earthmoving Control Strategies

Non-applicable. No control strategies activated by user.

5.7. Construction Paving

I and Use	Area Paved (acres)	1% Asphalt
Land Use	Alea I aveu (acies)	70 Aspiral

Refrigerated Warehouse-No Rail	0.00	0%
Road Widening	7.13	100%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2024	352	204	0.03	< 0.005

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type Vegetation Soil Type Initial Acres Final Acres	
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5.18.1.2. Mitigated

Veretation Land Lles Time	Variation Call Time	Initial Association	Final Agree
Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

A 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 199	
61 A 2002	Fig. 1 A succession
al Acres	Final Acres
а	l Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

5.18.2.2. Mitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)
man Wha			

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	19.0	annual days of extreme heat
Extreme Precipitation	4.95	annual days with precipitation above 20 mm
Sea Level Rise	0.00	meters of inundation depth
Wildfire	0.00	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider different increments of sea level rise coupled with extreme storm events. Users may select from four model simulations to view the range in potential inundation depth for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 50 meters (m) by 50 m, or about 164 feet (ft) by 164 ft.

Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	N/A	N/A	N/A	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	N/A	N/A	N/A	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.

The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.

The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	N/A	N/A	N/A	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	N/A	N/A	N/A	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.

The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.

The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	_
AQ-Ozone	22.2
AQ-PM	27.0
AQ-DPM	37.4
Drinking Water	37.4
Lead Risk Housing	64.3
Pesticides	64.0
Toxic Releases	59.0
Traffic	59.3
Effect Indicators	_
CleanUp Sites	0.00
Groundwater	86.3
Haz Waste Facilities/Generators	88.1
Impaired Water Bodies	58.7
Solid Waste	52.9
Sensitive Population	_
Asthma	95.3
Cardio-vascular	67.9

Low Birth Weights	92.7
Socioeconomic Factor Indicators	_
Education	75.7
Housing	62.4
Linguistic	79.0
Poverty	64.0
Unemployment	33.6

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	_
Above Poverty	27.48620557
Employed	12.39573977
Median HI	28.30745541
Education	_
Bachelor's or higher	21.46798409
High school enrollment	6.210701912
Preschool enrollment	14.35904016
Transportation	_
Auto Access	16.74579751
Active commuting	52.20069293
Social	_
2-parent households	27.53753368
Voting	30.6685487
Neighborhood	_
Alcohol availability	49.62145515

Park access	62.53047607
Retail density	36.41729757
Supermarket access	32.42653664
Tree canopy	69.11330681
Housing	_
Homeownership	31.38714231
Housing habitability	40.75452329
Low-inc homeowner severe housing cost burden	63.7495188
Low-inc renter severe housing cost burden	28.85923264
Uncrowded housing	30.12960349
Health Outcomes	_
Insured adults	34.83895804
Arthritis	33.8
Asthma ER Admissions	7.2
High Blood Pressure	31.6
Cancer (excluding skin)	63.4
Asthma	18.0
Coronary Heart Disease	51.0
Chronic Obstructive Pulmonary Disease	25.1
Diagnosed Diabetes	36.9
Life Expectancy at Birth	26.7
Cognitively Disabled	33.5
Physically Disabled	45.1
Heart Attack ER Admissions	18.8
Mental Health Not Good	25.4
Chronic Kidney Disease	45.1
Obesity	20.7

Pedestrian Injuries	83.2
Physical Health Not Good	31.5
Stroke	34.3
Health Risk Behaviors	_
Binge Drinking	48.9
Current Smoker	20.2
No Leisure Time for Physical Activity	33.2
Climate Change Exposures	_
Wildfire Risk	0.0
SLR Inundation Area	40.9
Children	37.8
Elderly	74.7
English Speaking	34.0
Foreign-born	62.2
Outdoor Workers	13.3
Climate Change Adaptive Capacity	_
Impervious Surface Cover	39.1
Traffic Density	54.7
Traffic Access	56.6
Other Indices	_
Hardship	70.9
Other Decision Support	_
2016 Voting	32.5

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	84.0

Healthy Places Index Score for Project Location (b)	16.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	No
Project Located in a Low-Income Community (Assembly Bill 1550)	Yes
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Land Use	Total developed area site prep and grading (93.4 acres), plus construction of offsite roadway and utility improvements in Phase 1 of construction.
Construction: Construction Phases	Phase 1 onsite includes site prep and grading for a total of 9 months.
Construction: Off-Road Equipment	_

b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Highway 12 Logistics Center Construction Phase 2 + Ops Bldgs A, B/C Detailed Report

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1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Highway 12 Logistics Center Construction Phase 2 + Ops Bldgs A, B/C
Construction Start Date	10/1/2024
Operational Year	2025
Lead Agency	_
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	5.70
Precipitation (days)	39.2
Location	38.23592882035376, -122.0536791986757
County	Solano-San Francisco
City	Suisun City
Air District	Bay Area AQMD
Air Basin	San Francisco Bay Area
TAZ	856
EDFZ	4
Electric Utility	Pacific Gas & Electric Company
Gas Utility	Pacific Gas & Electric
App Version	2022.1.1.18

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq	Special Landscape	Population	Description
					ft)	Area (sq ft)		

Refrigerated Warehouse-No Rail	863	1000sqft	28.4	862,794	374,071	_	_	_
Parking Lot	23.1	Acre	23.1	0.00	0.00	_	_	_
User Defined Recreational	2.10	User Defined Unit	0.00	0.00	0.00	_	_	_
Other Non-Asphalt Surfaces	3.52	Acre	3.52	0.00	0.00	_	_	_

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Construction	C-2*	Limit Heavy-Duty Diesel Vehicle Idling
Construction	C-5	Use Advanced Engine Tiers
Construction	C-10-A	Water Exposed Surfaces
Construction	C-12	Sweep Paved Roads
Construction	C-13	Use Low-VOC Paints for Construction
Transportation	T-53*	Electrify Loading Docks
Refrigerants	R-1	Use Alternative Refrigerants Instead of High-GWP Refrigerants

^{*} Qualitative or supporting measure. Emission reductions not included in the mitigated emissions results.

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

Un/Mit.	TOG	ROG	NOx	со	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Unmit.	3.17	777	16.3	29.6	0.05	0.48	3.99	4.48	0.45	0.98	1.43	_	9,421	9,421	0.28	0.69	23.5	9,658
Mit.	2.37	347	8.99	31.6	0.05	0.17	3.99	4.16	0.16	0.98	1.14	_	9,421	9,421	0.28	0.69	23.5	9,658

% Reduced	26%	55%	45%	-7%	_	66%	_	7%	65%	_	20%	_	_	_	_	_	_	_
Daily, Winter (Max)	_	_	-	_	_	_	-	-	_	_	_	_	_	_	-	-	_	-
Unmit.	3.28	2.76	22.4	29.3	0.05	0.93	3.99	4.54	0.86	0.98	1.49	_	9,296	9,296	0.32	0.72	0.64	9,519
Mit.	2.40	2.05	10.0	31.2	0.05	0.17	3.99	4.16	0.17	0.98	1.14	_	9,296	9,296	0.32	0.72	0.64	9,519
% Reduced	27%	26%	55%	-6%	_	81%	_	8%	81%	_	23%	_	_	_	_	_	_	_
Average Daily (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_		_	_	_	_
Unmit.	1.07	26.6	5.99	9.91	0.02	0.18	1.36	1.54	0.17	0.33	0.50	_	3,233	3,233	0.11	0.24	3.51	3,311
Mit.	0.78	12.3	3.33	10.6	0.02	0.06	1.36	1.42	0.06	0.33	0.39	_	3,233	3,233	0.11	0.24	3.51	3,311
% Reduced	27%	54%	44%	-7%	_	66%	_	8%	65%	_	21%	_	_	_	_	_	_	_
Annual (Max)	_	_	_	_	_	-	_	_	_	_	_	_	_	_	_	_	_	_
Unmit.	0.20	4.86	1.09	1.81	< 0.005	0.03	0.25	0.28	0.03	0.06	0.09	_	535	535	0.02	0.04	0.58	548
Mit.	0.14	2.24	0.61	1.93	< 0.005	0.01	0.25	0.26	0.01	0.06	0.07	_	535	535	0.02	0.04	0.58	548
% Reduced	27%	54%	44%	-7%	_	66%	_	8%	65%	_	21%	_	_	_	_	-	_	_

2.2. Construction Emissions by Year, Unmitigated

Ontona		(,)	,	<i>j</i> ,, <i>j</i> .		,	O OO (o, aa, .c.	u,,	,	a							
Year	TOG	ROG	NOx	со	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
2025	3.17	777	16.3	29.6	0.05	0.48	3.99	4.48	0.45	0.98	1.43	_	9,421	9,421	0.28	0.69	23.5	9,658

Daily - Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	
2024	3.28	2.76	22.4	29.3	0.05	0.93	3.99	4.54	0.86	0.98	1.49	_	9,296	9,296	0.32	0.72	0.64	9,519
2025	3.00	2.59	16.9	28.1	0.05	0.48	3.99	4.48	0.45	0.98	1.43	-	9,179	9,179	0.31	0.69	0.61	9,393
Average Daily	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
2024	0.57	0.48	3.44	4.82	0.01	0.12	0.66	0.77	0.11	0.14	0.25	_	1,500	1,500	0.05	0.10	1.45	1,532
2025	1.07	26.6	5.99	9.91	0.02	0.18	1.36	1.54	0.17	0.33	0.50	_	3,233	3,233	0.11	0.24	3.51	3,311
Annual	_	_	_	_	_	_	_	_	_	_	_	-	_	_	_	_	_	_
2024	0.10	0.09	0.63	0.88	< 0.005	0.02	0.12	0.14	0.02	0.03	0.05	_	248	248	0.01	0.02	0.24	254
2025	0.20	4.86	1.09	1.81	< 0.005	0.03	0.25	0.28	0.03	0.06	0.09	_	535	535	0.02	0.04	0.58	548

2.3. Construction Emissions by Year, Mitigated

Year	TOG	ROG	NOx	СО	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
2025	2.37	347	8.99	31.6	0.05	0.17	3.99	4.16	0.16	0.98	1.14	_	9,421	9,421	0.28	0.69	23.5	9,658
Daily - Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
2024	2.40	2.05	10.0	31.2	0.05	0.17	3.99	4.16	0.17	0.98	1.14	_	9,296	9,296	0.32	0.72	0.64	9,519
2025	2.19	1.94	9.61	30.1	0.05	0.17	3.99	4.16	0.16	0.98	1.14	_	9,179	9,179	0.31	0.69	0.61	9,393
Average Daily	_	_	_	_	_	_	_	_	_	_	_	_	_	-	_	_	_	_
2024	0.35	0.30	1.44	5.40	0.01	0.03	0.58	0.61	0.03	0.14	0.16	_	1,500	1,500	0.05	0.10	1.45	1,532
2025	0.78	12.3	3.33	10.6	0.02	0.06	1.36	1.42	0.06	0.33	0.39	_	3,233	3,233	0.11	0.24	3.51	3,311
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_

2024	0.06	0.05	0.26	0.99	< 0.005	0.01	0.11	0.11	< 0.005	0.02	0.03	_	248	248	0.01	0.02	0.24	254
2025	0.14	2.24	0.61	1.93	< 0.005	0.01	0.25	0.26	0.01	0.06	0.07	_	535	535	0.02	0.04	0.58	548

2.4. Operations Emissions Compared Against Thresholds

Un/Mit.	TOG	ROG	NOx	СО	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Unmit.	24.4	43.1	37.9	193	0.37	1.75	28.1	29.9	1.67	7.13	8.80	819	51,701	52,521	86.4	2.56	23,128	78,573
Mit.	24.4	43.1	37.9	193	0.37	1.75	28.1	29.9	1.67	7.13	8.80	819	51,701	52,521	86.4	2.56	10,834	66,279
% Reduced	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	53%	16%
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Unmit.	17.2	36.4	40.0	145	0.35	1.68	28.1	29.8	1.62	7.13	8.75	819	49,551	50,371	86.5	2.69	22,997	76,334
Mit.	17.2	36.4	40.0	145	0.35	1.68	28.1	29.8	1.62	7.13	8.75	819	49,551	50,371	86.5	2.69	10,703	64,039
% Reduced	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	53%	16%
Average Daily (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Unmit.	11.7	31.2	44.9	109	0.48	1.13	28.0	29.2	1.05	7.15	8.20	819	63,382	64,201	86.2	5.14	23,064	90,951
Mit.	11.7	31.2	44.9	109	0.48	1.13	28.0	29.2	1.05	7.15	8.20	819	63,382	64,201	86.2	5.14	10,770	78,657
% Reduced	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	53%	14%
Annual (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	-	_	-	_
Unmit.	2.13	5.70	8.19	19.9	0.09	0.21	5.12	5.32	0.19	1.30	1.50	136	10,494	10,629	14.3	0.85	3,818	15,058
Mit.	2.13	5.70	8.19	19.9	0.09	0.21	5.12	5.32	0.19	1.30	1.50	136	10,494	10,629	14.3	0.85	1,783	13,022

%	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	53%	14%
, 0																	0070	, 0
Reduced																		
Reduced																		

2.5. Operations Emissions by Sector, Unmitigated

Sector	TOG	ROG	NOx	СО	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	-	_	_	-	_	_	_	-
Mobile	13.3	12.0	14.2	129	0.33	0.24	28.1	28.4	0.23	7.13	7.35	_	33,519	33,519	1.16	1.34	135	34,083
Area	6.67	27.3	0.32	37.5	< 0.005	0.07	_	0.07	0.05	_	0.05	_	154	154	0.01	< 0.005	_	155
Energy	0.13	0.06	1.15	0.97	0.01	0.09	_	0.09	0.09	_	0.09	_	13,663	13,663	2.11	0.24	_	13,788
Water	_	_	_	_	_	_	_	_	_	_	_	382	735	1,117	39.3	0.95	_	2,382
Waste	_	_	_	_	_	_	_	_	_	_	_	437	0.00	437	43.7	0.00	_	1,529
Refrig.	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	22,994	22,994
Off-Road	1.39	1.17	11.1	15.6	0.02	0.59	_	0.59	0.54	_	0.54	_	2,287	2,287	0.09	0.02	_	2,295
Stationar y	2.89	2.63	11.1	10.0	0.01	0.77	0.00	0.77	0.77	0.00	0.77	0.00	1,343	1,343	0.05	0.01	0.00	1,348
Total	24.4	43.1	37.9	193	0.37	1.75	28.1	29.9	1.67	7.13	8.80	819	51,701	52,521	86.4	2.56	23,128	78,573
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Mobile	12.8	11.5	16.7	118	0.31	0.24	28.1	28.4	0.23	7.13	7.36	_	31,523	31,523	1.28	1.47	3.49	31,998
Area	_	21.1	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Energy	0.13	0.06	1.15	0.97	0.01	0.09	_	0.09	0.09	_	0.09	_	13,663	13,663	2.11	0.24	_	13,788
Water	_	_	_	_	_	_	_	_	_	_	_	382	735	1,117	39.3	0.95	_	2,382
Waste	_	_	_	_	_	_	_	_	_	_	_	437	0.00	437	43.7	0.00	_	1,529
Refrig.	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	22,994	22,994
Off-Road	1.39	1.17	11.1	15.6	0.02	0.59	_	0.59	0.54	_	0.54	_	2,287	2,287	0.09	0.02	_	2,295

Stationar	2.89	2.63	11.1	10.0	0.01	0.77	0.00	0.77	0.77	0.00	0.77	0.00	1,343	1,343	0.05	0.01	0.00	1,348
Total	17.2	36.4	40.0	145	0.35	1.68	28.1	29.8	1.62	7.13	8.75	819	49,551	50,371	86.5	2.69	22,997	76,334
Average Daily	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Mobile	6.66	5.66	31.8	73.2	0.45	0.37	28.0	28.4	0.35	7.15	7.50	_	46,529	46,529	0.96	3.93	70.1	47,794
Area	3.29	24.1	0.16	18.5	< 0.005	0.03	_	0.03	0.02	_	0.02	_	76.1	76.1	< 0.005	< 0.005	_	76.4
Energy	0.13	0.06	1.15	0.97	0.01	0.09	_	0.09	0.09	_	0.09	_	13,663	13,663	2.11	0.24	_	13,788
Water	_	_	_	_	_	_	_	_	_	_	_	382	735	1,117	39.3	0.95	_	2,382
Waste	_	_	_	_	_	_	_		_	_	_	437	0.00	437	43.7	0.00	_	1,529
Refrig.	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	22,994	22,994
Off-Road	1.39	1.17	11.1	15.6	0.02	0.59	_	0.59	0.54	_	0.54	_	2,287	2,287	0.09	0.02	_	2,295
Stationar y	0.20	0.18	0.76	0.69	< 0.005	0.05	0.00	0.05	0.05	0.00	0.05	0.00	92.0	92.0	< 0.005	< 0.005	0.00	92.3
Total	11.7	31.2	44.9	109	0.48	1.13	28.0	29.2	1.05	7.15	8.20	819	63,382	64,201	86.2	5.14	23,064	90,951
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Mobile	1.22	1.03	5.80	13.4	0.08	0.07	5.12	5.18	0.06	1.30	1.37	_	7,703	7,703	0.16	0.65	11.6	7,913
Area	0.60	4.41	0.03	3.38	< 0.005	0.01	_	0.01	< 0.005	_	< 0.005	_	12.6	12.6	< 0.005	< 0.005	_	12.6
Energy	0.02	0.01	0.21	0.18	< 0.005	0.02	_	0.02	0.02	_	0.02	_	2,262	2,262	0.35	0.04	_	2,283
Water	_	_	_	_	_	_	_	_	_	_	_	63.3	122	185	6.51	0.16	_	394
Waste	_	_	_	_	_	_	_	_	_	_	_	72.4	0.00	72.4	7.23	0.00	_	253
Refrig.	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	3,807	3,807
Off-Road	0.25	0.21	2.02	2.85	< 0.005	0.11	_	0.11	0.10	_	0.10	_	379	379	0.02	< 0.005	_	380
Stationar y	0.04	0.03	0.14	0.13	< 0.005	0.01	0.00	0.01	0.01	0.00	0.01	0.00	15.2	15.2	< 0.005	< 0.005	0.00	15.3
Total	2.13	5.70	8.19	19.9	0.09	0.21	5.12	5.32	0.19	1.30	1.50	136	10,494	10,629	14.3	0.85	3,818	15,058

2.6. Operations Emissions by Sector, Mitigated

Sector	TOG	ROG	NOx	со	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	-	_	_	-
Mobile	13.3	12.0	14.2	129	0.33	0.24	28.1	28.4	0.23	7.13	7.35	_	33,519	33,519	1.16	1.34	135	34,083
Area	6.67	27.3	0.32	37.5	< 0.005	0.07	_	0.07	0.05	_	0.05	_	154	154	0.01	< 0.005	_	155
Energy	0.13	0.06	1.15	0.97	0.01	0.09	_	0.09	0.09	_	0.09	_	13,663	13,663	2.11	0.24	_	13,788
Water	_	_	_	_	_	_	_	_	_	_	_	382	735	1,117	39.3	0.95	_	2,382
Waste	_	_	_	_	_	_	_	_	_	_	_	437	0.00	437	43.7	0.00	_	1,529
Refrig.	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	10,700	10,700
Off-Road	1.39	1.17	11.1	15.6	0.02	0.59	_	0.59	0.54	_	0.54	_	2,287	2,287	0.09	0.02	_	2,295
Stationar y	2.89	2.63	11.1	10.0	0.01	0.77	0.00	0.77	0.77	0.00	0.77	0.00	1,343	1,343	0.05	0.01	0.00	1,348
Total	24.4	43.1	37.9	193	0.37	1.75	28.1	29.9	1.67	7.13	8.80	819	51,701	52,521	86.4	2.56	10,834	66,279
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Mobile	12.8	11.5	16.7	118	0.31	0.24	28.1	28.4	0.23	7.13	7.36	_	31,523	31,523	1.28	1.47	3.49	31,998
Area	_	21.1	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Energy	0.13	0.06	1.15	0.97	0.01	0.09	_	0.09	0.09	_	0.09	_	13,663	13,663	2.11	0.24	_	13,788
Water	_	_	_	_	_	_	_	_	_	_	_	382	735	1,117	39.3	0.95	_	2,382
Waste	_	_	_	_	_	_	_	_	_	_	_	437	0.00	437	43.7	0.00	_	1,529
Refrig.	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	10,700	10,700
Off-Road	1.39	1.17	11.1	15.6	0.02	0.59	_	0.59	0.54	_	0.54	_	2,287	2,287	0.09	0.02	_	2,295
Stationar y	2.89	2.63	11.1	10.0	0.01	0.77	0.00	0.77	0.77	0.00	0.77	0.00	1,343	1,343	0.05	0.01	0.00	1,348
Total	17.2	36.4	40.0	145	0.35	1.68	28.1	29.8	1.62	7.13	8.75	819	49,551	50,371	86.5	2.69	10,703	64,039
Average Daily	_	_	_	_	-	_	_	_	_	_	_	_	-	_	_	-	_	_
Mobile	6.66	5.66	31.8	73.2	0.45	0.37	28.0	28.4	0.35	7.15	7.50	_	46,529	46,529	0.96	3.93	70.1	47,794

Area	3.29	24.1	0.16	18.5	< 0.005	0.03	_	0.03	0.02	_	0.02	_	76.1	76.1	< 0.005	< 0.005	_	76.4
Energy	0.13	0.06	1.15	0.97	0.01	0.09	_	0.09	0.09	_	0.09	_	13,663	13,663	2.11	0.24	_	13,788
Water	_	_	_	_	_	_	_	_	_	_	_	382	735	1,117	39.3	0.95	_	2,382
Waste	_	_	_	_	_	_	_	_	_	_	_	437	0.00	437	43.7	0.00	_	1,529
Refrig.	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	10,700	10,700
Off-Road	1.39	1.17	11.1	15.6	0.02	0.59	_	0.59	0.54	_	0.54	_	2,287	2,287	0.09	0.02	_	2,295
Stationar y	0.20	0.18	0.76	0.69	< 0.005	0.05	0.00	0.05	0.05	0.00	0.05	0.00	92.0	92.0	< 0.005	< 0.005	0.00	92.3
Total	11.7	31.2	44.9	109	0.48	1.13	28.0	29.2	1.05	7.15	8.20	819	63,382	64,201	86.2	5.14	10,770	78,657
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Mobile	1.22	1.03	5.80	13.4	0.08	0.07	5.12	5.18	0.06	1.30	1.37	_	7,703	7,703	0.16	0.65	11.6	7,913
Area	0.60	4.41	0.03	3.38	< 0.005	0.01	_	0.01	< 0.005	_	< 0.005	_	12.6	12.6	< 0.005	< 0.005	_	12.6
Energy	0.02	0.01	0.21	0.18	< 0.005	0.02	_	0.02	0.02	_	0.02	_	2,262	2,262	0.35	0.04	_	2,283
Water	_	_	_	_	_	_	_	_	_	_	_	63.3	122	185	6.51	0.16	_	394
Waste	_	_	_	_	_	_	_	_	_	_	_	72.4	0.00	72.4	7.23	0.00	_	253
Refrig.	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	1,771	1,771
Off-Road	0.25	0.21	2.02	2.85	< 0.005	0.11	_	0.11	0.10	_	0.10	_	379	379	0.02	< 0.005	_	380
Stationar y	0.04	0.03	0.14	0.13	< 0.005	0.01	0.00	0.01	0.01	0.00	0.01	0.00	15.2	15.2	< 0.005	< 0.005	0.00	15.3
Total	2.13	5.70	8.19	19.9	0.09	0.21	5.12	5.32	0.19	1.30	1.50	136	10,494	10,629	14.3	0.85	1,783	13,022

3. Construction Emissions Details

3.1. Grading (2024) - Unmitigated

Ontona	· onatan	(15/44)	, ioi aaii	y,, y.	ioi aiiiio	iai, aria	01100 (1	or aay ioi	adily, iv	, y	aiiiiaaij							
Location	TOG	ROG	NOx	со	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_

Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Off-Road Equipmen		2.26	22.2	19.7	0.05	0.93	_	0.93	0.85	_	0.85	_	4,937	4,937	0.20	0.04	_	4,954
Dust From Material Movemen	_	_	_	_	_	_	2.65	2.65	-	0.29	0.29	_	_	_	-	_	_	_
Onsite truck	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	_
Average Daily	_	_	_	_	_	-	_	_	_	_	_	-	_	_	_	-	-	_
Off-Road Equipmen		0.11	1.03	0.92	< 0.005	0.04	-	0.04	0.04	_	0.04	-	230	230	0.01	< 0.005	-	231
Dust From Material Movemen	<u> </u>	_	_	_	_	_	0.12	0.12	_	0.01	0.01	_	_	_	_	_	_	_
Onsite truck	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	_
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Off-Road Equipmen		0.02	0.19	0.17	< 0.005	0.01	_	0.01	0.01	_	0.01	_	38.1	38.1	< 0.005	< 0.005	_	38.2
Dust From Material Movemen	<u> </u>	_	_	_	_	_	0.02	0.02	_	< 0.005	< 0.005	_	_	_	_	_	_	
Onsite truck	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	_
Offsite	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_

Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Daily, Winter (Max)	_	_	_	_	_	_	_	-	_	-	_	_	_	_	_	_	_	-
Worker	0.05	0.05	0.05	0.49	0.00	0.00	0.10	0.10	0.00	0.02	0.02	_	105	105	< 0.005	< 0.005	0.01	_
Vendor	0.01	< 0.005	0.15	0.06	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	_	109	109	< 0.005	0.02	0.01	_
Hauling	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	_
Average Daily	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	-	4.97	4.97	< 0.005	< 0.005	0.01	_
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	_	5.06	5.06	< 0.005	< 0.005	0.01	_
Hauling	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	_
Annual	_	_	_	_	_	_	_	_	_	_	_	-	_	_	_	_	_	_
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	-	0.82	0.82	< 0.005	< 0.005	< 0.005	_
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	_	0.84	0.84	< 0.005	< 0.005	< 0.005	_
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	_	0.00	0.00	0.00	0.00	0.00	_

3.2. Grading (2024) - Mitigated

Location	TOG	ROG	NOx	СО	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	_	<u> </u>	_	_	_	<u> </u>	_	_	_	_	_	_	<u> </u>	<u> </u>	_	_	_	_
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Off-Road Equipmen		0.47	2.43	26.6	0.05	0.09	_	0.09	0.09	_	0.09	_	4,937	4,937	0.20	0.04	_	4,954

Dust From Material Movemen	 :	_	_	_	_	_	1.03	1.03		0.11	0.11	_	_		_		_	_
Onsite truck	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	_
Average Daily	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Off-Road Equipmen		0.02	0.11	1.24	< 0.005	< 0.005	_	< 0.005	< 0.005	_	< 0.005	_	230	230	0.01	< 0.005	_	231
Dust From Material Movemen	_	_	_	_	_	-	0.05	0.05	_	0.01	0.01	_	_	_	_	-	_	_
Onsite truck	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	_
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Off-Road Equipmen		< 0.005	0.02	0.23	< 0.005	< 0.005	-	< 0.005	< 0.005	_	< 0.005	_	38.1	38.1	< 0.005	< 0.005	_	38.2
Dust From Material Movemen	_	_	_	_	_	-	0.01	0.01	_	< 0.005	< 0.005	_	_	_	_	_	_	_
Onsite truck	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	_
Offsite	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	-	_	_	-	_
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Worker	0.05	0.05	0.05	0.49	0.00	0.00	0.10	0.10	0.00	0.02	0.02	_	105	105	< 0.005	< 0.005	0.01	_
Vendor	0.01	< 0.005	0.15	0.06	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	_	109	109	< 0.005	0.02	0.01	_
Hauling	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	_

Average Daily	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	_	4.97	4.97	< 0.005	< 0.005	0.01	_
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	_	5.06	5.06	< 0.005	< 0.005	0.01	_
Hauling	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	_
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	_	0.82	0.82	< 0.005	< 0.005	< 0.005	_
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	_	0.84	0.84	< 0.005	< 0.005	< 0.005	_
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	_	0.00	0.00	0.00	0.00	0.00	_

3.3. Building Construction (2024) - Unmitigated

Location	TOG	ROG	NOx	со	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Daily, Summer (Max)	_	_	_	_	_	_		_		_	_	_	_	_	_		_	
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Off-Road Equipmen		1.20	11.2	13.1	0.02	0.50	_	0.50	0.46	_	0.46	_	2,398	2,398	0.10	0.02	_	2,406
Onsite truck	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	_
Average Daily	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Off-Road Equipmen		0.16	1.52	1.77	< 0.005	0.07	_	0.07	0.06	_	0.06	_	324	324	0.01	< 0.005	_	325
Onsite truck	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	_
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_

Off-Road Equipmer		0.03	0.28	0.32	< 0.005	0.01	_	0.01	0.01	_	0.01	_	53.6	53.6	< 0.005	< 0.005	_	53.8
Onsite truck	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	_
Offsite	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	-	-	_	_	_	_	_	_
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Worker	1.56	1.42	1.37	14.1	0.00	0.00	3.00	3.00	0.00	0.70	0.70	_	3,058	3,058	0.10	0.13	0.37	_
Vendor	0.29	0.14	5.44	2.07	0.03	0.05	1.00	1.05	0.05	0.28	0.33	_	3,840	3,840	0.12	0.57	0.26	_
Hauling	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	_
Average Daily	_	_	_	_	_	_	_	_		_	_	_	_	_	_	_	_	_
Worker	0.21	0.19	0.17	1.83	0.00	0.00	0.39	0.39	0.00	0.09	0.09	_	418	418	0.01	0.02	0.84	_
Vendor	0.04	0.02	0.72	0.27	< 0.005	0.01	0.13	0.14	0.01	0.04	0.04	_	518	518	0.02	0.08	0.59	_
Hauling	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	_
Annual	_	_	_	-	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Worker	0.04	0.03	0.03	0.33	0.00	0.00	0.07	0.07	0.00	0.02	0.02	_	69.2	69.2	< 0.005	< 0.005	0.14	_
Vendor	0.01	< 0.005	0.13	0.05	< 0.005	< 0.005	0.02	0.03	< 0.005	0.01	0.01	_	85.8	85.8	< 0.005	0.01	0.10	_
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	_	0.00	0.00	0.00	0.00	0.00	_

3.4. Building Construction (2024) - Mitigated

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Location	TOG	ROG	NOx	со	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_

Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Off-Road Equipmen		0.49	3.21	15.0	0.02	0.12	_	0.12	0.11	_	0.11	_	2,398	2,398	0.10	0.02	_	2,406
Onsite truck	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	_
Average Daily	_	_	_	-	_	_	_	_	_	_	_	_	-	_	_	_	_	-
Off-Road Equipmen		0.07	0.43	2.02	< 0.005	0.02	_	0.02	0.02	_	0.02	_	324	324	0.01	< 0.005	_	325
Onsite truck	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	_
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Off-Road Equipmen		0.01	0.08	0.37	< 0.005	< 0.005	_	< 0.005	< 0.005	-	< 0.005	_	53.6	53.6	< 0.005	< 0.005	-	53.8
Onsite truck	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	_
Offsite	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Daily, Summer (Max)	_	_	_	_	_	_	_	_	-	_	_	_	_	-	_	_	_	_
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	-	_	_	_	_	_	_	_	_
Worker	1.56	1.42	1.37	14.1	0.00	0.00	3.00	3.00	0.00	0.70	0.70	_	3,058	3,058	0.10	0.13	0.37	_
Vendor	0.29	0.14	5.44	2.07	0.03	0.05	1.00	1.05	0.05	0.28	0.33	_	3,840	3,840	0.12	0.57	0.26	_
Hauling	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	_
Average Daily	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_

Worker	0.21	0.19	0.17	1.83	0.00	0.00	0.39	0.39	0.00	0.09	0.09	_	418	418	0.01	0.02	0.84	_
Vendor	0.04	0.02	0.72	0.27	< 0.005	0.01	0.13	0.14	0.01	0.04	0.04	_	518	518	0.02	0.08	0.59	_
Hauling	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	_
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Worker	0.04	0.03	0.03	0.33	0.00	0.00	0.07	0.07	0.00	0.02	0.02	_	69.2	69.2	< 0.005	< 0.005	0.14	_
Vendor	0.01	< 0.005	0.13	0.05	< 0.005	< 0.005	0.02	0.03	< 0.005	0.01	0.01	_	85.8	85.8	< 0.005	0.01	0.10	_
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	_	0.00	0.00	0.00	0.00	0.00	_

3.5. Building Construction (2025) - Unmitigated

Location	TOG	ROG	NOx	СО	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	_	_	_	_	_	_	-	_	<u> </u>	_	_	_	_	_	<u> </u>	<u> </u>	_	_
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Off-Road Equipmen		1.13	10.4	13.0	0.02	0.43	_	0.43	0.40	_	0.40	_	2,398	2,398	0.10	0.02	_	2,406
Onsite truck	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	_
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Off-Road Equipmen		1.13	10.4	13.0	0.02	0.43	_	0.43	0.40	_	0.40	_	2,398	2,398	0.10	0.02	_	2,406
Onsite truck	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	_
Average Daily	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Off-Road Equipmen		0.39	3.58	4.47	0.01	0.15	_	0.15	0.14	_	0.14	_	821	821	0.03	0.01	_	824

Onsite truck	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	_
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Off-Road Equipmen		0.07	0.65	0.82	< 0.005	0.03	_	0.03	0.02	_	0.02	_	136	136	0.01	< 0.005	_	136
Onsite truck	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	_
Offsite	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Worker	1.56	1.44	0.91	14.7	0.00	0.00	3.00	3.00	0.00	0.70	0.70	_	3,244	3,244	0.06	0.13	13.3	_
Vendor	0.27	0.12	4.92	1.92	0.03	0.05	1.00	1.05	0.05	0.28	0.33	_	3,779	3,779	0.12	0.55	10.1	_
Hauling	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	_
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	-	_	_	_	_	_	-
Worker	1.39	1.35	1.25	13.1	0.00	0.00	3.00	3.00	0.00	0.70	0.70	_	2,999	2,999	0.09	0.13	0.34	_
Vendor	0.26	0.11	5.19	1.98	0.03	0.05	1.00	1.05	0.05	0.28	0.33	_	3,782	3,782	0.12	0.55	0.26	_
Hauling	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	_
Average Daily	_	_		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Worker	0.47	0.46	0.39	4.31	0.00	0.00	1.00	1.00	0.00	0.23	0.23	_	1,039	1,039	0.03	0.04	1.97	_
Vendor	0.09	0.04	1.75	0.67	0.01	0.02	0.33	0.35	0.02	0.09	0.11	_	1,295	1,295	0.04	0.19	1.50	_
Hauling	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	_
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Worker	0.09	0.08	0.07	0.79	0.00	0.00	0.18	0.18	0.00	0.04	0.04	_	172	172	< 0.005	0.01	0.33	_
Vendor	0.02	0.01	0.32	0.12	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	_	214	214	0.01	0.03	0.25	_
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	_	0.00	0.00	0.00	0.00	0.00	

3.6. Building Construction (2025) - Mitigated

Location	TOG	ROG	NOx	СО	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Daily, Summer (Max)	_	_	_	_	_		_	_	_	_	_	_	_	_	_	_	_	_
Off-Road Equipmen		0.48	3.16	15.0	0.02	0.11	_	0.11	0.11	_	0.11	_	2,398	2,398	0.10	0.02	_	2,406
Onsite truck	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	_
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	-	_	_	_	_
Off-Road Equipmen		0.48	3.16	15.0	0.02	0.11	_	0.11	0.11	_	0.11	_	2,398	2,398	0.10	0.02	_	2,406
Onsite truck	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	_
Average Daily	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Off-Road Equipmen		0.16	1.08	5.13	0.01	0.04	_	0.04	0.04	_	0.04	_	821	821	0.03	0.01	_	824
Onsite truck	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	_
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Off-Road Equipmen		0.03	0.20	0.94	< 0.005	0.01	_	0.01	0.01	_	0.01	_	136	136	0.01	< 0.005	_	136
Onsite truck	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	_
Offsite	_	_	_	_	_		_	_	_	_	_	_	_	_	_	_	_	_

Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Worker	1.56	1.44	0.91	14.7	0.00	0.00	3.00	3.00	0.00	0.70	0.70	_	3,244	3,244	0.06	0.13	13.3	_
Vendor	0.27	0.12	4.92	1.92	0.03	0.05	1.00	1.05	0.05	0.28	0.33	_	3,779	3,779	0.12	0.55	10.1	_
Hauling	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	_
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Worker	1.39	1.35	1.25	13.1	0.00	0.00	3.00	3.00	0.00	0.70	0.70	_	2,999	2,999	0.09	0.13	0.34	_
Vendor	0.26	0.11	5.19	1.98	0.03	0.05	1.00	1.05	0.05	0.28	0.33	_	3,782	3,782	0.12	0.55	0.26	_
Hauling	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	_
Average Daily	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	-	_	_
Worker	0.47	0.46	0.39	4.31	0.00	0.00	1.00	1.00	0.00	0.23	0.23	_	1,039	1,039	0.03	0.04	1.97	_
Vendor	0.09	0.04	1.75	0.67	0.01	0.02	0.33	0.35	0.02	0.09	0.11	_	1,295	1,295	0.04	0.19	1.50	_
Hauling	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	_
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Worker	0.09	0.08	0.07	0.79	0.00	0.00	0.18	0.18	0.00	0.04	0.04	_	172	172	< 0.005	0.01	0.33	_
Vendor	0.02	0.01	0.32	0.12	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	_	214	214	0.01	0.03	0.25	_
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	_	0.00	0.00	0.00	0.00	0.00	_

3.7. Paving (2025) - Unmitigated

Location	TOG	ROG	NOx	со	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	_	_	_	_	_	_	<u> </u>	_	_	_	_	_	_	_	_	_	_	_
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_

Off-Road Equipmen		0.80	7.45	9.98	0.01	0.35	_	0.35	0.32	_	0.32	_	1,511	1,511	0.06	0.01	_	1,517
Paving	_	5.05	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Onsite truck	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	_
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Average Daily	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Off-Road Equipmen		0.03	0.25	0.33	< 0.005	0.01	_	0.01	0.01	_	0.01	-	49.7	49.7	< 0.005	< 0.005	_	49.9
Paving	_	0.17	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Onsite truck	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	-
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Off-Road Equipmen		< 0.005	0.04	0.06	< 0.005	< 0.005	_	< 0.005	< 0.005	_	< 0.005	-	8.23	8.23	< 0.005	< 0.005	_	8.26
Paving	_	0.03	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Onsite truck	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	_
Offsite	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	-	_	_
Worker	0.06	0.06	0.04	0.61	0.00	0.00	0.12	0.12	0.00	0.03	0.03	_	134	134	< 0.005	0.01	0.55	_
Vendor	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	_
Hauling	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	_
Daily, Winter (Max)	-	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Average Daily	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_

Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	_	4.13	4.13	< 0.005	< 0.005	0.01	_
Vendor	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	_
Hauling	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	_
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	_	0.68	0.68	< 0.005	< 0.005	< 0.005	_
Vendor	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	_
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	_	0.00	0.00	0.00	0.00	0.00	_

3.8. Paving (2025) - Mitigated

Location	TOG	ROG	NOx	со	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Off-Road Equipmen		0.39	2.38	10.6	0.01	0.10	_	0.10	0.10	_	0.10	_	1,511	1,511	0.06	0.01	_	1,517
Paving	_	5.05	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Onsite truck	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	_
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Average Daily	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Off-Road Equipmen		0.01	0.08	0.35	< 0.005	< 0.005	_	< 0.005	< 0.005	_	< 0.005	_	49.7	49.7	< 0.005	< 0.005	_	49.9
Paving	_	0.17	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Onsite truck	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	_

Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Off-Road Equipmen		< 0.005	0.01	0.06	< 0.005	< 0.005	_	< 0.005	< 0.005	_	< 0.005	_	8.23	8.23	< 0.005	< 0.005	_	8.26
Paving	_	0.03	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Onsite truck	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	_
Offsite	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_			_	_	
Worker	0.06	0.06	0.04	0.61	0.00	0.00	0.12	0.12	0.00	0.03	0.03	_	134	134	< 0.005	0.01	0.55	_
Vendor	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	_
Hauling	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	_
Daily, Winter (Max)	_	_	_		_	_	_	_	_	_	_	_	_	_	_	_	_	_
Average Daily	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	_	4.13	4.13	< 0.005	< 0.005	0.01	_
Vendor	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	_
Hauling	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	_
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	_	0.68	0.68	< 0.005	< 0.005	< 0.005	_
Vendor	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	_
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	_	0.00	0.00	0.00	0.00	0.00	_

3.9. Architectural Coating (2025) - Unmitigated

Ontona	· onatan	(15,44)	, ioi aan	y,, y.	ioi aiiiio	iai, aria	01100 (1	or ady ioi	daily, iv	17 9 1 101	armaaij							
Location	TOG	ROG	NOx	со	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	всо2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_

Daily, Summer (Max)	_	_	_	_	_	_	_	_		_	_	_	_		_	_		_
Off-Road Equipmen		0.13	0.88	1.14	< 0.005	0.03	_	0.03	0.03	_	0.03	_	134	134	0.01	< 0.005	_	134
Architect ural Coatings	_	777	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Onsite truck	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	-
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Average Daily	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Off-Road Equipmen		< 0.005	0.03	0.04	< 0.005	< 0.005	_	< 0.005	< 0.005	_	< 0.005	_	4.39	4.39	< 0.005	< 0.005	_	4.40
Architect ural Coatings	_	25.5	_	_	_	_	_	_	-	_	_	_	_	_	_	_	_	_
Onsite truck	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	-
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	<u> </u>
Off-Road Equipmen		< 0.005	0.01	0.01	< 0.005	< 0.005	_	< 0.005	< 0.005	_	< 0.005	-	0.73	0.73	< 0.005	< 0.005	-	0.73
Architect ural Coatings	_	4.66	_	_	_	_	_	_	-	_	_	_	_	_	_	_	_	_
Onsite truck	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	_
Offsite	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Daily, Summer (Max)	_	_	_	_	_	_	-	_	_	_	_	_	_	_		_	_	_
Worker	0.31	0.29	0.18	2.93	0.00	0.00	0.60	0.60	0.00	0.14	0.14	_	649	649	0.01	0.03	2.67	_

Vendor	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	-
Hauling	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	
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Average Daily	_	_	_	_		_	_	_	_	_	_	_	_	_	_	_	_	_
Worker	0.01	0.01	0.01	0.08	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	_	20.0	20.0	< 0.005	< 0.005	0.04	_
Vendor	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	_
Hauling	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	_
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	_	3.30	3.30	< 0.005	< 0.005	0.01	_
Vendor	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	_
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	_	0.00	0.00	0.00	0.00	0.00	_

3.10. Architectural Coating (2025) - Mitigated

Location	TOG	ROG		со	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Off-Road Equipmen		0.13	0.88	1.14	< 0.005	0.03	_	0.03	0.03	_	0.03	_	134	134	0.01	< 0.005	_	134
Architect ural Coatings	_	347	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Onsite truck	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	_

Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Average Daily	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Off-Road Equipmen		< 0.005	0.03	0.04	< 0.005	< 0.005	_	< 0.005	< 0.005	-	< 0.005	_	4.39	4.39	< 0.005	< 0.005	_	4.40
Architect ural Coatings	_	11.4	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Onsite truck	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	_
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Off-Road Equipmen		< 0.005	0.01	0.01	< 0.005	< 0.005	_	< 0.005	< 0.005	_	< 0.005	_	0.73	0.73	< 0.005	< 0.005	-	0.73
Architect ural Coatings	_	2.08	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Onsite truck	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	_
Offsite	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Worker	0.31	0.29	0.18	2.93	0.00	0.00	0.60	0.60	0.00	0.14	0.14	_	649	649	0.01	0.03	2.67	_
Vendor	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	_
Hauling	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	_
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Average Daily	_	_	-	_	_	_	_	_	_	-	-	_	_	-	_	_	-	_
Worker	0.01	0.01	0.01	0.08	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	_	20.0	20.0	< 0.005	< 0.005	0.04	_

Vendor	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	_
Hauling	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	_
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	_	3.30	3.30	< 0.005	< 0.005	0.01	_
Vendor	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	_
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	_	0.00	0.00	0.00	0.00	0.00	_

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

Land Use	TOG	ROG	NOx	СО	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Refrigera ted Warehou se-No Rail	13.3	12.0	14.2	129	0.33	0.24	28.1	28.4	0.23	7.13	7.35	_	33,519	33,519	1.16	1.34	135	34,083
Parking Lot	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	0.00
User Defined Recreation	0.00 nal	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
Other Non-Asph Surfaces	0.00 alt	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
Total	13.3	12.0	14.2	129	0.33	0.24	28.1	28.4	0.23	7.13	7.35	_	33,519	33,519	1.16	1.34	135	34,083

Daily, Winter (Max)		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Refrigera ted Warehou se-No Rail	12.8	11.5	16.7	118	0.31	0.24	28.1	28.4	0.23	7.13	7.36	_	31,523	31,523	1.28	1.47	3.49	31,998
Parking Lot	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	0.00
User Defined Recreation	0.00 nal	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
Other Non-Asph Surfaces	0.00 alt	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
Total	12.8	11.5	16.7	118	0.31	0.24	28.1	28.4	0.23	7.13	7.36	_	31,523	31,523	1.28	1.47	3.49	31,998
Annual	_	_	_	_	_	_	_	_	_	_	_	-	_	_	_	_	_	_
Refrigera ted Warehou se-No Rail	1.22	1.03	5.80	13.4	0.08	0.07	5.12	5.18	0.06	1.30	1.37	_	7,703	7,703	0.16	0.65	11.6	7,913
Parking Lot	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	0.00
User Defined Recreation	0.00 nal	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
Other Non-Asph Surfaces	0.00 alt	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
Total	1.22	1.03	5.80	13.4	0.08	0.07	5.12	5.18	0.06	1.30	1.37	_	7,703	7,703	0.16	0.65	11.6	7,913

4.1.2. Mitigated

Land Use	TOG	ROG	NOx	со	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	_	-	_	-	-	-	_	-	_	-	_	_	-	-	_	-	-	-
Refrigera ted Warehou se-No Rail	13.3	12.0	14.2	129	0.33	0.24	28.1	28.4	0.23	7.13	7.35	_	33,519	33,519	1.16	1.34	135	34,083
Parking Lot	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	0.00
User Defined Recreation	0.00 nal	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
Other Non-Asph Surfaces	0.00 alt	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
Total	13.3	12.0	14.2	129	0.33	0.24	28.1	28.4	0.23	7.13	7.35	_	33,519	33,519	1.16	1.34	135	34,083
Daily, Winter (Max)	_	_		_	_	_	_	_	_	_	_	-	_	_	_	_	_	_
Refrigera ted Warehou se-No Rail	12.8	11.5	16.7	118	0.31	0.24	28.1	28.4	0.23	7.13	7.36	_	31,523	31,523	1.28	1.47	3.49	31,998
Parking Lot	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	0.00
User Defined Recreation	0.00 nal	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
Other Non-Asph Surfaces	0.00 alt	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
Total	12.8	11.5	16.7	118	0.31	0.24	28.1	28.4	0.23	7.13	7.36	_	31,523	31,523	1.28	1.47	3.49	31,998

Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Refrigera ted Warehou se-No Rail	1.22	1.03	5.80	13.4	0.08	0.07	5.12	5.18	0.06	1.30	1.37	_	7,703	7,703	0.16	0.65	11.6	7,913
Parking Lot	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	0.00
User Defined Recreation	0.00 nal	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
Other Non-Asph Surfaces	0.00 alt	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
Total	1.22	1.03	5.80	13.4	0.08	0.07	5.12	5.18	0.06	1.30	1.37	_	7,703	7,703	0.16	0.65	11.6	7,913

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

Land Use	TOG	ROG	NOx		SO2		PM10D			PM2.5D		BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Refrigera ted Warehou se-No Rail	_	_	_	_	_	_	_	_	_	_	_	_	11,798	11,798	1.91	0.23	_	11,914
Parking Lot	_	_	_	_	_	_	_	_	_	_	_	_	494	494	0.08	0.01	_	499
User Defined Recreation	— nal	_	_	_	_	_	_	_	_	_	_	_	0.00	0.00	0.00	0.00	_	0.00

Other Non-Asph		_	_	_	_	_	_	_	_	_	_	_	0.00	0.00	0.00	0.00	_	0.00
Surfaces	ail																	
Total	_	_	_	_	_	_	_	_	_	_	_	_	12,291	12,291	1.99	0.24	_	12,413
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Refrigera ted Warehou se-No Rail	_	_	_	_	_	_	_	_	_	_	_	_	11,798	11,798	1.91	0.23	_	11,914
Parking Lot	_	_	_	_	_	_	_	_	_	_	_	_	494	494	0.08	0.01	_	499
User Defined Recreation	— nal	_	_	_	_	_	_	_	_	_	_	_	0.00	0.00	0.00	0.00	_	0.00
Other Non-Aspha Surfaces	— alt	_	_	_	_	_	_	_	_	_	_	_	0.00	0.00	0.00	0.00	-	0.00
Total	_	_	_	_	_	_	_	_	_	_	_	_	12,291	12,291	1.99	0.24	_	12,413
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Refrigera ted Warehou se-No Rail	_		_	_	_	_	_	_	_	_	_	_	1,953	1,953	0.32	0.04	_	1,973
Parking Lot	_	_	_	_	_	_	_	_	_	_	_	_	81.7	81.7	0.01	< 0.005	_	82.5
User Defined Recreation	— nal	_	_	_	_	_	_	_	_	_	_	_	0.00	0.00	0.00	0.00	_	0.00
Other Non-Aspha Surfaces	— alt	_	_	_	_	_	_	_	_	_	_	_	0.00	0.00	0.00	0.00	_	0.00
Total	_	_	_	_	_	_	_	_	_	_	_	_	2,035	2,035	0.33	0.04	_	2,055

4.2.2. Electricity Emissions By Land Use - Mitigated

Land Use	TOG	ROG	NOx	СО	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	_	_	_	-	-	_	_	_	_	_	_	-	_	_	_	_	_	_
Refrigera ted Warehou se-No Rail	_	_	_	-	_	_	_	_	_	_	_	_	11,798	11,798	1.91	0.23	_	11,914
Parking Lot	_	-	_	_	_	-	_	-	_	_	-	_	494	494	0.08	0.01	_	499
User Defined Recreation	_ nal	_	_	-	_	_	_	-	_	_	_	_	0.00	0.00	0.00	0.00	_	0.00
Other Non-Asph Surfaces	_ alt	_	_		_	_	_	-	_	_	_	_	0.00	0.00	0.00	0.00	_	0.00
Total	_	_	_	_	_	_	_	_	_	_	_	_	12,291	12,291	1.99	0.24	_	12,413
Daily, Winter (Max)	_	_	_		_	_	_	_	_	_	_	_	_	_	_	_	_	_
Refrigera ted Warehou se-No Rail	_	_	_	_	_	_	_	_	_	_	_	_	11,798	11,798	1.91	0.23	_	11,914
Parking Lot	_	_	_	_	-	_	_	_	_	_	_	_	494	494	0.08	0.01	_	499
User Defined Recreation	_ nal	_	_	-	_	_	_	_	_	_	_	_	0.00	0.00	0.00	0.00	_	0.00

Other Non-Asph Surfaces	— alt	_	_	_	_	_	_	_	_	_	_	_	0.00	0.00	0.00	0.00	_	0.00
Total	_	_	_	_	_	_	_	_	_	_	_	_	12,291	12,291	1.99	0.24	_	12,413
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Refrigera ted Warehou se-No Rail	_	_	_	_	_	_	_	_	_	_	_	_	1,953	1,953	0.32	0.04	_	1,973
Parking Lot	_	_	_	_	_	_	_	_	_	_	_	_	81.7	81.7	0.01	< 0.005	_	82.5
User Defined Recreation	— nal	_	_	_	_	_	_	_	_	_	_	_	0.00	0.00	0.00	0.00	_	0.00
Other Non-Asph Surfaces	— alt	_	_		_				_		_	_	0.00	0.00	0.00	0.00	_	0.00
Total	_	_	_	_	_	_	_	_	_	_	_	_	2,035	2,035	0.33	0.04	_	2,055

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

Land Use	TOG	ROG	NOx	со	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Refrigera ted Warehou se-No Rail	0.13	0.06	1.15	0.97	0.01	0.09	_	0.09	0.09	_	0.09	_	1,372	1,372	0.12	< 0.005	_	1,376
Parking Lot	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

User Defined Recreation	0.00 nal	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
Other Non-Asph Surfaces	0.00 alt	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
Total	0.13	0.06	1.15	0.97	0.01	0.09	_	0.09	0.09	_	0.09	_	1,372	1,372	0.12	< 0.005	_	1,376
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Refrigera ted Warehou se-No Rail	0.13	0.06	1.15	0.97	0.01	0.09	_	0.09	0.09	_	0.09	_	1,372	1,372	0.12	< 0.005	_	1,376
Parking Lot	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
User Defined Recreation	0.00 nal	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
Other Non-Asph Surfaces	0.00 alt	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
Total	0.13	0.06	1.15	0.97	0.01	0.09	_	0.09	0.09	_	0.09	_	1,372	1,372	0.12	< 0.005	_	1,376
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Refrigera ted Warehou se-No Rail	0.02	0.01	0.21	0.18	< 0.005	0.02	_	0.02	0.02	_	0.02	_	227	227	0.02	< 0.005	_	228
Parking Lot	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
User Defined Recreation	0.00 nal	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

Other Non-Asph Surfaces	0.00 alt	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
Total	0.02	0.01	0.21	0.18	< 0.005	0.02	_	0.02	0.02	_	0.02	_	227	227	0.02	< 0.005	_	228

4.2.4. Natural Gas Emissions By Land Use - Mitigated

Land Use	TOG	ROG	NOx	СО	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Refrigera ted Warehou se-No Rail	0.13	0.06	1.15	0.97	0.01	0.09	_	0.09	0.09	_	0.09	_	1,372	1,372	0.12	< 0.005	_	1,376
Parking Lot	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
User Defined Recreatio	0.00 nal	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
Other Non-Asph Surfaces	0.00 alt	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
Total	0.13	0.06	1.15	0.97	0.01	0.09	_	0.09	0.09	_	0.09	_	1,372	1,372	0.12	< 0.005	_	1,376
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Refrigera ted Warehou se-No Rail	0.13	0.06	1.15	0.97	0.01	0.09	_	0.09	0.09	_	0.09	_	1,372	1,372	0.12	< 0.005	_	1,376

Parking Lot	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
User Defined Recreation	0.00 nal	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
Other Non-Aspha Surfaces	0.00 alt	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
Total	0.13	0.06	1.15	0.97	0.01	0.09	_	0.09	0.09	_	0.09	_	1,372	1,372	0.12	< 0.005	_	1,376
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Refrigera ted Warehou se-No Rail	0.02	0.01	0.21	0.18	< 0.005	0.02	_	0.02	0.02	_	0.02	_	227	227	0.02	< 0.005	_	228
Parking Lot	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
User Defined Recreation	0.00 nal	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
Other Non-Aspha Surfaces	0.00 alt	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
Total	0.02	0.01	0.21	0.18	< 0.005	0.02	_	0.02	0.02	_	0.02	_	227	227	0.02	< 0.005	_	228

4.3. Area Emissions by Source

4.3.1. Unmitigated

		(,	,	J,		, , , , , ,												
Source	TOG	ROG	NOx	со	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily,	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Summer																		
(Max)																		

Consum Products	_	18.6	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Architect ural Coatings	_	2.55	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Landsca pe Equipme nt	6.67	6.16	0.32	37.5	< 0.005	0.07	_	0.07	0.05	_	0.05	_	154	154	0.01	< 0.005	_	155
Total	6.67	27.3	0.32	37.5	< 0.005	0.07	_	0.07	0.05	_	0.05	_	154	154	0.01	< 0.005	_	155
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	-	-	_
Consum er Products	_	18.6	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Architect ural Coatings	_	2.55	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Total	_	21.1	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Consum er Products	_	3.39	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Architect ural Coatings	_	0.47	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Landsca pe Equipme nt	0.60	0.55	0.03	3.38	< 0.005	0.01	_	0.01	< 0.005	_	< 0.005	_	12.6	12.6	< 0.005	< 0.005	_	12.6
Total	0.60	4.41	0.03	3.38	< 0.005	0.01	_	0.01	< 0.005	_	< 0.005	_	12.6	12.6	< 0.005	< 0.005	_	12.6
			_	-	-		-	-		-	-	-		-	-	-		-

4.3.2. Mitigated

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Source	TOG	ROG	NOx	СО	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	
Consum er Products	_	18.6	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Architect ural Coatings	_	2.55	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Landsca pe Equipme nt	6.67	6.16	0.32	37.5	< 0.005	0.07	_	0.07	0.05	_	0.05	_	154	154	0.01	< 0.005	_	155
Total	6.67	27.3	0.32	37.5	< 0.005	0.07	_	0.07	0.05	_	0.05	_	154	154	0.01	< 0.005	_	155
Daily, Winter (Max)	_	_	_	_	_	-	-	-	-	_	-	-	-	-	-	-	-	-
Consum er Products	_	18.6	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Architect ural Coatings	_	2.55	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	-
Total	_	21.1	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Consum er Products	_	3.39	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Architect ural Coatings	_	0.47	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_

Landsca pe Equipme	0.60	0.55	0.03	3.38	< 0.005	0.01	_	0.01	< 0.005	_	< 0.005	_	12.6	12.6	< 0.005	< 0.005	_	12.6
Total	0.60	4.41	0.03	3.38	< 0.005	0.01	_	0.01	< 0.005	_	< 0.005	_	12.6	12.6	< 0.005	< 0.005	_	12.6

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

Land Use	TOG	ROG	NOx	СО	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Refrigera ted Warehou se-No Rail	_	_	_	_	_	_	_	_	_	_	_	382	735	1,117	39.3	0.95	_	2,382
Parking Lot	_	_	_	_	_	_	_	_	_	_	_	0.00	0.00	0.00	0.00	0.00	_	0.00
User Defined Recreation	— nal	_	_	_	_	_	_	_	_	_	_	0.00	0.00	0.00	0.00	0.00	_	0.00
Other Non-Asph Surfaces	— alt	_	_	_	_	_	_	_	_	_	_	0.00	0.00	0.00	0.00	0.00	_	0.00
Total	_	_	_	_	_	_	_	_	_	_	_	382	735	1,117	39.3	0.95	_	2,382
Daily, Winter (Max)		_	_	_	_		_	_	_	_	_	_	_	_	_	_	_	_

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Refrigera ted Warehou se-No Rail	_	_	_	_	_	_	_	_	_	_	_	382	735	1,117	39.3	0.95		2,382
Parking Lot	_	_	_	_	_	_	_	_	_	_	_	0.00	0.00	0.00	0.00	0.00	_	0.00
User Defined Recreation	— nal	_	_	_	_	_	_	_	_	_	_	0.00	0.00	0.00	0.00	0.00	_	0.00
Other Non-Aspha Surfaces	— alt	_	_	_	_	_	_	_	_	_	_	0.00	0.00	0.00	0.00	0.00	_	0.00
Total	_	_	_	_	_	_	_	_	_	_	_	382	735	1,117	39.3	0.95	_	2,382
Annual	_	_	_	_	_		_	_	_	_	_	_	_	_	_	_	_	_
Refrigera ted Warehou se-No Rail	_	_	_	_	_	_	_	_	_	_	_	63.3	122	185	6.51	0.16	_	394
Parking Lot	_	_	_	_	_	_	_	_	_	_	_	0.00	0.00	0.00	0.00	0.00	_	0.00
User Defined Recreation	— nal	_	_	_	_	_	_	_	_		_	0.00	0.00	0.00	0.00	0.00	_	0.00
Other Non-Aspha Surfaces	— alt	_	_	_	_	_	_	_	_	_	_	0.00	0.00	0.00	0.00	0.00	_	0.00
Total	_	_	_	_	_	_	_	_	_	_	_	63.3	122	185	6.51	0.16	_	394

4.4.2. Mitigated

Land	TOG	ROG	NOx	со	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Use																		

Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Refrigera ted Warehou se-No Rail	_	_	_	_	_	_	_	_	_	_	_	382	735	1,117	39.3	0.95	_	2,382
Parking Lot	_	_	_	_	_	_	_	_	_	_	_	0.00	0.00	0.00	0.00	0.00	_	0.00
User Defined Recreation	— nal	_	_	_	_	_	_	_	_	_	_	0.00	0.00	0.00	0.00	0.00	_	0.00
Other Non-Aspha Surfaces	— alt	_	_	_	_	_	_	_	_	_	_	0.00	0.00	0.00	0.00	0.00	_	0.00
Total	_	_	_	_	_	_	_	_	_	_	_	382	735	1,117	39.3	0.95	_	2,382
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Refrigera ted Warehou se-No Rail	_	-	_	_	_	_	_	_	_	_	_	382	735	1,117	39.3	0.95	_	2,382
Parking Lot	_	_	_	_	_	_	_	_	_	_	_	0.00	0.00	0.00	0.00	0.00	_	0.00
User Defined Recreation	— nal	_	_	_	_	_	_	_	_	_	_	0.00	0.00	0.00	0.00	0.00	_	0.00
Other Non-Aspha Surfaces	— alt	_	_	_	_		_	_	_	_	_	0.00	0.00	0.00	0.00	0.00	_	0.00
Total	_	_	_	_	_	_	_	_	_	_	_	382	735	1,117	39.3	0.95	_	2,382
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_

Refrigera ted	_	_	_	_	_	_	_	_	_	_	_	63.3	122	185	6.51	0.16	_	394
Parking Lot	_	_	_	_	_	_	_	_	_	_	_	0.00	0.00	0.00	0.00	0.00	_	0.00
User Defined Recreation	— nal	_	_	_	_	_		_	_	_	_	0.00	0.00	0.00	0.00	0.00	_	0.00
Other Non-Asph Surfaces	— alt	_	_	_	_	_		_	_	_	_	0.00	0.00	0.00	0.00	0.00	_	0.00
Total	_	_	_	_	_	_	_	_	_	_	_	63.3	122	185	6.51	0.16	_	394

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

Land Use	TOG	ROG	NOx	СО	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Refrigera ted Warehou se-No Rail	_	_	_	_	_	_	_	_	_	_	_	437	0.00	437	43.7	0.00	_	1,529
Parking Lot	_	_	_	_	_	_	_	_	_	_	_	0.00	0.00	0.00	0.00	0.00	_	0.00
User Defined Recreatio	— ınal	_	_	_	_	_	_	_	_	_	_	0.00	0.00	0.00	0.00	0.00	_	0.00
Other Non-Asph Surfaces	— alt	_	_	_	_	_	_	_	_	_	_	0.00	0.00	0.00	0.00	0.00	_	0.00

Total	_	_	_	_	_	_	_	_	_	_	_	437	0.00	437	43.7	0.00	_	1,529
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_		_	_
Refrigera ted Warehou se-No Rail	_	_	_	_	_	_	_	_	_	_	_	437	0.00	437	43.7	0.00	_	1,529
Parking Lot	_	_	_	_	_	_	_	_	_	_	_	0.00	0.00	0.00	0.00	0.00	_	0.00
User Defined Recreation	— nal	_	_	_	_	_	_	_	_	_	_	0.00	0.00	0.00	0.00	0.00	_	0.00
Other Non-Aspha Surfaces	— alt	_	_	_	_	_	_	_	_	_	_	0.00	0.00	0.00	0.00	0.00	_	0.00
Total	_	_	_	_	_	_	_	_	_	_	_	437	0.00	437	43.7	0.00	_	1,529
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Refrigera ted Warehou se-No Rail	_	-	_	_	_	_	_	_	_	_	_	72.4	0.00	72.4	7.23	0.00	_	253
Parking Lot	_	_	_	_	_	_	_	_	_	_	_	0.00	0.00	0.00	0.00	0.00	_	0.00
User Defined Recreation	— nal	_	_	_	_	_	_	_	_	_	_	0.00	0.00	0.00	0.00	0.00	_	0.00
Other Non-Aspha Surfaces	— alt	_	_	_	_	_	_	_	_	_	_	0.00	0.00	0.00	0.00	0.00	_	0.00
Total												72.4	0.00	72.4	7.23	0.00		253

4.5.2. Mitigated

Cilicila	Ollatai	10 (15) 44	y ioi aai	iy, toinyi	ioi aiiii	an, and	O. 100 (.	brady 101	dany, it	, y	armaarj							
Land Use	TOG	ROG	NOx	со	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Refrigera ted Warehou se-No Rail	_	_	_	_	_	_	_	_	_	_	_	437	0.00	437	43.7	0.00	_	1,529
Parking Lot	_	_	_	_	_	_	_	_	_	_	_	0.00	0.00	0.00	0.00	0.00	_	0.00
User Defined Recreation	— าal	_	_	_	_	_	_	_	_	_	_	0.00	0.00	0.00	0.00	0.00	_	0.00
Other Non-Asph Surfaces	— alt	_	_	_	_	_	_	_	_	_	_	0.00	0.00	0.00	0.00	0.00	_	0.00
Total	_	_	_	_	_	_	_	_	_	_	_	437	0.00	437	43.7	0.00	_	1,529
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Refrigera ted Warehou se-No Rail	_	_	_	_	_	_	_	_	_	_	_	437	0.00	437	43.7	0.00	_	1,529
Parking Lot	_	_	_	_	_	_	_	_	_	_	_	0.00	0.00	0.00	0.00	0.00	_	0.00
User Defined Recreation	— nal	_	_	_	_	_	_	_	_	_	_	0.00	0.00	0.00	0.00	0.00	_	0.00
Other Non-Asph Surfaces	— alt	_	_	_	_	_	_	_	_	_	_	0.00	0.00	0.00	0.00	0.00	_	0.00

Total	_	_	_	_	_	_	_	_	_	_	_	437	0.00	437	43.7	0.00	_	1,529
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Refrigera ted Warehou se-No Rail		_	_	_	_	_	_	_	_	_	_	72.4	0.00	72.4	7.23	0.00	_	253
Parking Lot	_	_	_	_	_	_	_	_	_	_	_	0.00	0.00	0.00	0.00	0.00	_	0.00
User Defined Recreatio	— nal	_	_	_	_	_	_	_	_	_	_	0.00	0.00	0.00	0.00	0.00	_	0.00
Other Non-Asph Surfaces	— nalt	_	_	_	_	_	_	_	_	_	_	0.00	0.00	0.00	0.00	0.00	_	0.00
Total	_	_	_		_	_	_	_	_	_	_	72.4	0.00	72.4	7.23	0.00	_	253

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

Land Use	TOG	ROG	NOx	со	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Refrigera ted Warehou se-No Rail		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	22,994	22,994
Total	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	22,994	22,994

Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Refrigera ted Warehou se-No Rail	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	22,994	22,994
Total	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	22,994	22,994
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Refrigera ted Warehou se-No Rail	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	3,807	3,807
Total	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	3,807	3,807

4.6.2. Mitigated

Land Use	TOG	ROG	NOx	со	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Refrigera ted Warehou se-No Rail	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	10,700	10,700
Total	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	10,700	10,700
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_

Refrigera ted Warehou Rail		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	10,700	10,700
Total	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	10,700	10,700
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Refrigera ted Warehou se-No Rail	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	1,771	1,771
Total	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	1,771	1,771

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

Equipme nt Type	TOG	ROG	NOx	со	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Forklifts	1.39	1.17	11.1	15.6	0.02	0.59	_	0.59	0.54	_	0.54	_	2,287	2,287	0.09	0.02	_	_
undefine d	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	2,295
Total	1.39	1.17	11.1	15.6	0.02	0.59	_	0.59	0.54	_	0.54	_	2,287	2,287	0.09	0.02	_	2,295
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	-
Forklifts	1.39	1.17	11.1	15.6	0.02	0.59	_	0.59	0.54	_	0.54	_	2,287	2,287	0.09	0.02	_	_
undefine d	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	2,295

Total	1.39	1.17	11.1	15.6	0.02	0.59	_	0.59	0.54	_	0.54	_	2,287	2,287	0.09	0.02	_	2,295
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Forklifts	0.25	0.21	2.02	2.85	< 0.005	0.11	_	0.11	0.10	_	0.10	_	379	379	0.02	< 0.005	_	_
undefine d	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	380
Total	0.25	0.21	2.02	2.85	< 0.005	0.11	_	0.11	0.10	_	0.10	_	379	379	0.02	< 0.005	_	380

4.7.2. Mitigated

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Equipme nt Type	TOG	ROG	NOx	со	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	СО2Т	CH4	N2O	R	CO2e
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Forklifts	1.39	1.17	11.1	15.6	0.02	0.59	_	0.59	0.54	_	0.54	_	2,287	2,287	0.09	0.02	_	_
undefine d	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	2,295
Total	1.39	1.17	11.1	15.6	0.02	0.59	_	0.59	0.54	_	0.54	_	2,287	2,287	0.09	0.02	_	2,295
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Forklifts	1.39	1.17	11.1	15.6	0.02	0.59	_	0.59	0.54	_	0.54	_	2,287	2,287	0.09	0.02	_	_
undefine d	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	2,295
Total	1.39	1.17	11.1	15.6	0.02	0.59	_	0.59	0.54	_	0.54	_	2,287	2,287	0.09	0.02	_	2,295
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Forklifts	0.25	0.21	2.02	2.85	< 0.005	0.11	_	0.11	0.10	_	0.10	_	379	379	0.02	< 0.005	_	_
undefine d	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	380
Total	0.25	0.21	2.02	2.85	< 0.005	0.11	_	0.11	0.10	_	0.10	_	379	379	0.02	< 0.005	_	380

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

Equipme nt Type	TOG	ROG	NOx	со	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Emergen cy Generato r		1.31	5.56	5.02	0.01	0.38	0.00	0.38	0.38	0.00	0.38	0.00	672	672	0.03	0.01	0.00	0.00
Fire Pump	1.44	1.31	5.56	5.02	0.01	0.38	0.00	0.38	0.38	0.00	0.38	0.00	672	672	0.03	0.01	0.00	0.00
undefine d	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	1,348
Total	2.89	2.63	11.1	10.0	0.01	0.77	0.00	0.77	0.77	0.00	0.77	0.00	1,343	1,343	0.05	0.01	0.00	1,348
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	-	_	-	_	_	_	-
Emergen cy Generato r		1.31	5.56	5.02	0.01	0.38	0.00	0.38	0.38	0.00	0.38	0.00	672	672	0.03	0.01	0.00	0.00
Fire Pump	1.44	1.31	5.56	5.02	0.01	0.38	0.00	0.38	0.38	0.00	0.38	0.00	672	672	0.03	0.01	0.00	0.00
undefine d	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	1,348
Total	2.89	2.63	11.1	10.0	0.01	0.77	0.00	0.77	0.77	0.00	0.77	0.00	1,343	1,343	0.05	0.01	0.00	1,348
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_

Emergen cy Generato		0.02	0.07	0.06	< 0.005	< 0.005	0.00	< 0.005	< 0.005	0.00	< 0.005	0.00	7.62	7.62	< 0.005	< 0.005	0.00	0.00
Fire Pump	0.02	0.02	0.07	0.06	< 0.005	< 0.005	0.00	< 0.005	< 0.005	0.00	< 0.005	0.00	7.62	7.62	< 0.005	< 0.005	0.00	0.00
undefine d	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	15.3
Total	0.04	0.03	0.14	0.13	< 0.005	0.01	0.00	0.01	0.01	0.00	0.01	0.00	15.2	15.2	< 0.005	< 0.005	0.00	15.3

4.8.2. Mitigated

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Equipme nt Type	TOG	ROG	NOx	СО	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	
Emergen cy Generato r		1.31	5.56	5.02	0.01	0.38	0.00	0.38	0.38	0.00	0.38	0.00	672	672	0.03	0.01	0.00	0.00
Fire Pump	1.44	1.31	5.56	5.02	0.01	0.38	0.00	0.38	0.38	0.00	0.38	0.00	672	672	0.03	0.01	0.00	0.00
undefine d	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	1,348
Total	2.89	2.63	11.1	10.0	0.01	0.77	0.00	0.77	0.77	0.00	0.77	0.00	1,343	1,343	0.05	0.01	0.00	1,348
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Emergen cy Generato r		1.31	5.56	5.02	0.01	0.38	0.00	0.38	0.38	0.00	0.38	0.00	672	672	0.03	0.01	0.00	0.00

Fire Pump	1.44	1.31	5.56	5.02	0.01	0.38	0.00	0.38	0.38	0.00	0.38	0.00	672	672	0.03	0.01	0.00	0.00
undefine d	_	-	_	_	_	_	_	_	_	_	_	_	-	_	_	_	_	1,348
Total	2.89	2.63	11.1	10.0	0.01	0.77	0.00	0.77	0.77	0.00	0.77	0.00	1,343	1,343	0.05	0.01	0.00	1,348
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Emergen cy Generato r		0.02	0.07	0.06	< 0.005	< 0.005	0.00	< 0.005	< 0.005	0.00	< 0.005	0.00	7.62	7.62	< 0.005	< 0.005	0.00	0.00
Fire Pump	0.02	0.02	0.07	0.06	< 0.005	< 0.005	0.00	< 0.005	< 0.005	0.00	< 0.005	0.00	7.62	7.62	< 0.005	< 0.005	0.00	0.00
undefine d	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	15.3
Total	0.04	0.03	0.14	0.13	< 0.005	0.01	0.00	0.01	0.01	0.00	0.01	0.00	15.2	15.2	< 0.005	< 0.005	0.00	15.3

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

Equipme nt Type	TOG	ROG	NOx	со	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Total	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_		_
Total	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_

	_	_	_	_	_	_	_	_	_	 _	_	_	 	 	
Iotal															

4.9.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipme nt	TOG	ROG	NOx	СО	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Total	_	_	_	_	_	_	_	_	_		_	_	_	_	_		_	_
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Total	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Total	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Vegetatio n	TOG	ROG	NOx	со	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	_	_	_	_	_	_	_	_	-	_	_	_	_	_	_	_	_	_
Total	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_		_

Total	_	_	_	_	_	_	_	_	_	_	-	_	_	_	-	_	_	_
Annual	_	_	_	_	_	_	<u> </u>	_	_	_	_	_	_	_	_	_	_	_
Total	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG		со	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Total	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Total	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Total	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Species	TOG	ROG		СО	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Avoided		_	_	_	_	_	_	_	_	_	_	_	_	_	<u> </u>	_	_	_
Subtotal	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Sequest ered	_		_	_	_	_	_	_	_	_	_	_	_	_	_	_		_
Subtotal	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_

Remove	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Subtotal	_	_	_	_	_	_	_	_		_	_	_	_	_	_	_	_	_
_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Avoided	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Subtotal	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Sequest ered	_		_	_	_	_		_			_	_	_	_	_	_	_	_
Subtotal	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Remove d	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Subtotal	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Avoided	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Subtotal	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Sequest ered	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Subtotal	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Remove d	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Subtotal	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

			,	<i>J</i> ,														
Vegetatio	TOG	ROG	NOx	со	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
n																		

Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Total	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Total	_	_	_	_	_	_	_	_	<u> </u>	_	_	_	_	_	_	_	_	_
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Total	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Lond	TOC			00	SO2	DM40E	DM40D	DMAOT	DMO FF	DMO ED	DMO ET	DCO2	NDCOO	СООТ	CLIA	Nac	П	0000
Land Use	TOG	ROG	NOx	со	502	PM10E	PM10D	PM10T	PM2.5E	PIVIZ.5D	PIVIZ.51	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Total	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Total	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Total	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

Species TOG ROG NOX CO SO2 PM10E PM10D PM10T PM2.5E PM2.5D PM2.5T BCO2 NBCO2 CO2T CH4 N2O R CO																			
	Species	TOG	ROG	NOx	CO	SO2	PM10F	PM10D	PM10T	PM2.5F	PM2 5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily, - Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Avoided -	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Subtotal -	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Sequest - ered	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Subtotal -	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Remove -	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Subtotal -	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
_ -	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Daily, - Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Avoided -	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Subtotal -	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Sequest - ered	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Subtotal -	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Remove -	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Subtotal -	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
_ -	_		_	_	_	_	_	_	_	_	_	_	_	_	_	_		_
Annual -	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Avoided -	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Subtotal -	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Sequest - ered	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Subtotal -	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_

Remove d	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Subtotal	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Grading	Grading	10/1/2024	10/23/2024	5.00	17.0	_
Building Construction	Building Construction	10/24/2024	6/24/2025	5.00	174	_
Paving	Paving	6/25/2025	7/10/2025	5.00	12.0	_
Architectural Coating	Architectural Coating	7/11/2025	7/28/2025	5.00	12.0	_

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Grading	Graders	Diesel	Average	1.00	8.00	148	0.41
Grading	Tractors/Loaders/Backh oes	Diesel	Average	2.00	8.00	84.0	0.37
Grading	Scrapers	Diesel	Average	2.00	8.00	423	0.48
Building Construction	Forklifts	Diesel	Average	3.00	8.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Building Construction	Cranes	Diesel	Average	1.00	7.00	367	0.29
Building Construction	Welders	Diesel	Average	1.00	8.00	46.0	0.45
Building Construction	Tractors/Loaders/Backh oes	Diesel	Average	3.00	7.00	84.0	0.37

Paving	Pavers	Diesel	Average	2.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Average	2.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
Architectural Coating	Air Compressors	Diesel	Average	1.00	6.00	37.0	0.48

5.2.2. Mitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Grading	Graders	Diesel	Tier 4 Final	1.00	8.00	148	0.41
Grading	Tractors/Loaders/Backh oes	Diesel	Tier 4 Final	2.00	8.00	84.0	0.37
Grading	Scrapers	Diesel	Tier 4 Final	2.00	8.00	423	0.48
Building Construction	Forklifts	Diesel	Tier 4 Final	3.00	8.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Building Construction	Cranes	Diesel	Tier 4 Final	1.00	7.00	367	0.29
Building Construction	Welders	Diesel	Average	1.00	8.00	46.0	0.45
Building Construction	Tractors/Loaders/Backh oes	Diesel	Tier 4 Final	3.00	7.00	84.0	0.37
Paving	Pavers	Diesel	Tier 4 Final	2.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Tier 4 Final	2.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
Architectural Coating	Air Compressors	Diesel	Average	1.00	6.00	37.0	0.48

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Grading	_	_	_	_
Grading	Worker	12.5	11.7	LDA,LDT1,LDT2

Grading	Vendor	4.00	8.40	HHDT,MHDT
Grading	Hauling	0.00	20.0	HHDT
Grading	Onsite truck	_	_	HHDT
Building Construction	_	_	_	_
Building Construction	Worker	362	11.7	LDA,LDT1,LDT2
Building Construction	Vendor	141	8.40	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	_	_	HHDT
Paving	_	_	_	_
Paving	Worker	15.0	11.7	LDA,LDT1,LDT2
Paving	Vendor	_	8.40	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	_	_	HHDT
Architectural Coating	_	_	_	_
Architectural Coating	Worker	72.5	11.7	LDA,LDT1,LDT2
Architectural Coating	Vendor	_	8.40	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	_	_	ННОТ

5.3.2. Mitigated

Phase Name	Тгір Туре	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Grading	_	_	_	_
Grading	Worker	12.5	11.7	LDA,LDT1,LDT2
Grading	Vendor	4.00	8.40	HHDT,MHDT
Grading	Hauling	0.00	20.0	HHDT
Grading	Onsite truck	_	_	HHDT
Building Construction	_	_	_	_

Building Construction	Worker	362	11.7	LDA,LDT1,LDT2
Building Construction	Vendor	141	8.40	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	_	_	HHDT
Paving	_	_	_	_
Paving	Worker	15.0	11.7	LDA,LDT1,LDT2
Paving	Vendor	_	8.40	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	_	_	HHDT
Architectural Coating	_	_	_	_
Architectural Coating	Worker	72.5	11.7	LDA,LDT1,LDT2
Architectural Coating	Vendor	_	8.40	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	_	_	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	0.00	0.00	1,294,191	431,397	69,705

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (Cubic Yards)	Material Exported (Cubic Yards)	Acres Graded (acres)	Material Demolished (sq. ft.)	Acres Paved (acres)
Grading	0.00	0.00	42.5	0.00	_
Paving	0.00	0.00	0.00	0.00	26.7

5.6.2. Construction Earthmoving Control Strategies

Non-applicable. No control strategies activated by user.

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Refrigerated Warehouse-No Rail	0.00	0%
Parking Lot	23.1	100%
User Defined Recreational	0.00	0%
Other Non-Asphalt Surfaces	3.52	0%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2024	0.00	204	0.03	< 0.005
2025	0.00	204	0.03	< 0.005

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Refrigerated Warehouse-No Rail	2,231	2,231	2,231	814,383	39,976	39,976	39,976	14,591,294
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

User Defined Recreational	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

5.9.2. Mitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Refrigerated Warehouse-No Rail	2,231	2,231	2,231	814,383	39,976	39,976	39,976	14,591,294
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
User Defined Recreational	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

5.10.1.2. Mitigated

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
0	0.00	1,294,191	431,397	69,705

5.10.3. Landscape Equipment

Season	Unit	Value

Snow Days	day/yr	0.00
Summer Days	day/yr	180

5.10.4. Landscape Equipment - Mitigated

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	180

5.11. Operational Energy Consumption

5.11.1. Unmitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Refrigerated Warehouse-No Rail	21,110,225	204	0.0330	0.0040	4,280,466
Parking Lot	883,371	204	0.0330	0.0040	0.00
User Defined Recreational	0.00	204	0.0330	0.0040	0.00
Other Non-Asphalt Surfaces	0.00	204	0.0330	0.0040	0.00

5.11.2. Mitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Electricity (Kirringi) and C	Electricity (KVVII/yI) and 302 and 611 and 1420 and 14ataral Gao (KB10/yI)								
Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)				
Refrigerated Warehouse-No Rail	21,110,225	204	0.0330	0.0040	4,280,466				
Parking Lot	883,371	204	0.0330	0.0040	0.00				
User Defined Recreational	0.00	204	0.0330	0.0040	0.00				
Other Non-Asphalt Surfaces	0.00	204	0.0330	0.0040	0.00				

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)	
Refrigerated Warehouse-No Rail	199,521,113	4,574,216	
Parking Lot	0.00	0.00	
User Defined Recreational	0.00	0.00	
Other Non-Asphalt Surfaces	0.00	0.00	

5.12.2. Mitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)	
Refrigerated Warehouse-No Rail	199,521,113	4,574,216	
Parking Lot	0.00	0.00	
User Defined Recreational	0.00	0.00	
Other Non-Asphalt Surfaces	0.00	0.00	

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Refrigerated Warehouse-No Rail	811	_
Parking Lot	0.00	_
User Defined Recreational	0.00	_
Other Non-Asphalt Surfaces	0.00	_

5.13.2. Mitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Refrigerated Warehouse-No Rail	811	_
Parking Lot	0.00	_
User Defined Recreational	0.00	_
Other Non-Asphalt Surfaces	0.00	_

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Refrigerated Warehouse-No Rail	Cold storage	R-404A	3,922	7.50	7.50	7.50	25.0

5.14.2. Mitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Refrigerated Warehouse-No Rail	Cold storage	R-407F	1,825	7.50	7.50	7.50	25.0

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Forklifts	Diesel	Average	15.0	8.00	82.0	0.20

5.15.2. Mitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Forklifts	Diesel	Average	15.0	8.00	82.0	0.20

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

Equipment Type	Fuel Type	Number per Day	Hours per Day	Hours per Year	Horsepower	Load Factor
Emergency Generator	Diesel	2.00	4.00	100	50.0	0.73
Fire Pump	Diesel	2.00	4.00	100	50.0	0.73

5.16.2. Process Boilers

Equipment Type	Fuel Type	Number	Boiler Rating (MMBtu/hr)	Daily Heat Input (MMBtu/day)	Annual Heat Input (MMRtu/yr)
Equipmont Typo	1 doi 1990	TTUTTIOOT	Bollot Rating (MIMBIA/III)	Daily Float Inpat (Minibta/ady)	/ tilladi i lodt ilipat (iviivibta/yi)

5.17. User Defined

Equipment Type	Fuel Type
_	_

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres
vegetation Land OSE Type	vegetation our type	Initial Acres	i iliai Adies

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type Initial Acres Final Acres

5.18.1.2. Mitigated

Biomass Cover Type	Initial Acres	Final Acres
21		

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)
lifee Type	Number	Liectificity Saved (KWII/year)	Inatulal Gas Saveu (blu/year)

5.18.2.2. Mitigated

The type The third Sub-Sub-Sub-Sub-Sub-Sub-Sub-Sub-Sub-Sub-	Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)
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6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	19.0	annual days of extreme heat
Extreme Precipitation	4.95	annual days with precipitation above 20 mm
Sea Level Rise	0.00	meters of inundation depth
Wildfire	0.00	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider different increments of sea level rise coupled with extreme storm events. Users may select from four model simulations to view the range in potential inundation depth for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 50 meters (m) by 50 m, or about 164 feet (ft) by 164 ft.

Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	N/A	N/A	N/A	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	N/A	N/A	N/A	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.

The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.

The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	N/A	N/A	N/A	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	N/A

Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	N/A	N/A	N/A	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.

The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.

The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	_
AQ-Ozone	22.2
AQ-PM	27.0
AQ-DPM	37.4
Drinking Water	37.4
Lead Risk Housing	64.3
Pesticides	64.0
Toxic Releases	59.0
Traffic	59.3
Effect Indicators	_
CleanUp Sites	0.00
Groundwater	86.3

Haz Waste Facilities/Generators	88.1
Tiaz waste i adiities/Generators	00.1
Impaired Water Bodies	58.7
Solid Waste	52.9
Sensitive Population	_
Asthma	95.3
Cardio-vascular	67.9
Low Birth Weights	92.7
Socioeconomic Factor Indicators	_
Education	75.7
Housing	62.4
Linguistic	79.0
Poverty	64.0
Unemployment	33.6

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract				
Economic	_				
Above Poverty	27.48620557				
Employed	12.39573977				
Median HI	28.30745541				
Education	_				
Bachelor's or higher	21.46798409				
High school enrollment	6.210701912				
Preschool enrollment	14.35904016				
Transportation					
Auto Access	16.74579751				

Persent households 27.53753368 Voting 30.6885487 Volighorhood — Alcohol availability 49.6145515 Perk access 62.53047607 Retail density 36.41729757 Supermarket access 32.42653664 Tree canopy 69.11330681 Homeownership 31.3074231 Low-inc homeowner severe housing cost burden 40.75452329 Low-inc renter severe housing cost burden 88.8523264 Low-inc renter severe housing cost burden 88.8523264 Low-inc renter severe housing cost burden 30.12960349 Health Outcomes — Health Outcomes 33.8 Asthma ER Admissions 7.2 High Blood Pressure 31.6 Cancer (excluding skin) 63.4 Schmap Language 51.0 Chronic Obstructive Pulmonary Disease 51.0 Chronic Obstructive Pulmonary Disease 56.9	Active commuting	52.20069293				
Acting 30.6885487 Neighborhood — Alcohol availability 40.62145515 Park access 62.53047607 Retail density 30.4172975 Supermarket access 32.42653664 Ince canopy 60.11330681 Horizona 31.38714231 Housing 40.7545329 Horizona babitability 40.7545329 Low-inc horneowner severe housing cost burden 63.795188 Low-increnter severe housing cost burden 83.85923264 Health Outcomes — Archritis 33.8 Jeanner (excluding skin) 36.4 Cancer (excluding skin) 36.4 Cancer (excluding skin) 36.4 Chronic Obstructive Pulmonary Disease 51.0 <	Social	_				
Neighborhood — Alcohol availability 49.62145515 Park access 62.53047607 Steell desity 36.41729757 Supermarket access 32.42653664 Horoscopy 69.11330681 Horoscopy — Horoscopy 31.38714231 Housing habitability 40.75452329 Low-inc homeowner severe housing cost burden 63.7495188 Low-increnter severe housing cost burden 63.48952224 Jorrowded housing 30.12860339 Health Outcomes — Insured adults 3.8.8989804 Archritis 33.8 Archritis 33.8 Asstrina ER Admissions 7.2 Lipin Bood Pressure 31.6 Cancer (excluding skin) 36.4 Asstrina 18.0 Cornorary Heart Disease 51.0 Chronic Obstructive Pulmonary Disease 25.1 Diagnosed Diabetes 36.9	2-parent households	27.53753368				
Acchol availability 49.62145515 Park access 62.53047607 Retail density 36.41729757 Supermarket access 32.42653664 Free canopy 69.11330681 Hordough	Voting	30.6685487				
Park access 62.5047607 Retail density 36.4172975 Supermarket access 32.42653664 Tiree canopy 69.11330881 Hornour Propose 7.2 Housing habitability 40.75452329 Howevier housing cost burden 63.7495188 Hornowded housing 30.12960349 Health Outcomes - Health Outcomes 38.8395804 Arthritis 38.8395804 Arthritis 38.84 Saysians Cancer (excluding skin) 63.4 Cancer (excluding skin) 63.4 Chronic Obstructive Pulmonary Disease 51.0 Chronic Obstructive Pulmonary Disease 25.1	Neighborhood	_				
Retail density 36.41729757 Supermarket access 32.42653664 Free canopy 69.11330681 Housing — Homeownership 31.38714231 Housing habitability 40.75452329 Low-inc homeowner severe housing cost burden 63.7495188 Low-inc renter severe housing cost burden 88.85923264 Uncrowded housing 30.12960349 Health Outcomes — Health Outcomes 34.8389804 Arthritis 38.898804 Arthritis 31.6 Health Out Pressure 31.6 Concer (excluding skin) 63.4 Asthrna 18.0 Coronary Heart Disease 51.0 Chronic Obstructive Pulmonary Disease 55.1 Disgnosed Diabetes 36.9	Alcohol availability	49.62145515				
Supermarket access 32 42653664 Tree canopy 69.11330681 Housing — Homeownership 31.38714231 Housing habitability 40.75452329 Low-inc homeowner severe housing cost burden 63.7495188 Low-increnter severe housing cost burden 28.85923264 Uncrowded housing 30.12960349 Health Outcomes — Archritis 34.8399804 Archritis 34.8399804 Archritis 7.2 High Blood Pressure 31.6 Cancer (excluding skin) 63.4 Astrima 18.0 Coronary Heart Disease 51.0 Chronic Obstructive Pulmonary Disease 25.1 Diagnosed Diabetes 36.9	Park access	62.53047607				
free canopy 69.11330681 Housing — Housing habitability 40.75452329 Low-inc homeowner severe housing cost burden 63.7495188 Low-inc renter severe housing cost burden 28.85923264 Uncrowded housing 30.12960349 Health Outcomes — Insured adults 33.8 Asthma ER Admissions 7.2 High Blood Pressure 31.6 Cancer (excluding skin) 63.4 Asthma 18.0 Coronary Heart Disease 51.0 Chronic Obstructive Pulmonary Disease 25.1 Diagnosed Diabetes 36.9	Retail density	36.41729757				
Housing — Homeownership 31.38714231 Housing habitability 40.75452329 How-inc homeowner severe housing cost burden 63.7495188 Housing Housing 30.12960349 Health Outcomes — Health Outcomes — Anthritis 33.8 Asthma ER Admissions 7.2 High Blood Pressure 31.6 Cancer (excluding skin) 63.4 Asthma 18.0 Coronary Heart Disease 51.0 Chronic Obstructive Pulmonary Disease 25.1 Diagnosed Diabetes 36.9	Supermarket access	32.42653664				
domeownership 31.38714231 dousing habitability 40.75452329 ow-inc homeowner severe housing cost burden 63.7495188 ow-inc renter severe housing cost burden 28.85923264 or.owded housing 30.12960349 or.owded housing - or.owded dults 34.83895804 or.owded dults 33.8 or.owded housing 7.2 or.owded housing 31.6 or.owded housing 31.6 or.owded housing 30.2 or.owded housing 31.6 or.owded housing 31.0	Tree canopy	69.11330681				
dousing habitability 40.75452329 Low-inc homeowner severe housing cost burden 63.7495188 Low-inc renter severe housing cost burden 28.85923264 Uncrowded housing 30.12960349 Health Outcomes — Acthritis 34.83895804 Asthma ER Admissions 7.2 High Blood Pressure 31.6 Cancer (excluding skin) 63.4 Asthma 18.0 Coronary Heart Disease 51.0 Chronic Obstructive Pulmonary Disease 25.1 Diagnosed Diabetes 36.9	Housing	_				
cowinc homeowner severe housing cost burden 63.7495188 cowinc renter severe housing cost burden 28.85923264 chorowded housing 30.12960349 Health Outcomes — insured adults 34.83895804 Arthritis 33.8 Asthma ER Admissions 7.2 High Blood Pressure 31.6 Cancer (excluding skin) 63.4 Asthma 18.0 Coronary Heart Disease 51.0 Chronic Obstructive Pulmonary Disease 25.1 Diagnosed Diabetes 36.9	Homeownership	31.38714231				
cowinc renter severe housing cost burden 28.85923264 Uncrowded housing 30.12960349 Health Outcomes — Insured adults 34.83895804 Arthritis 33.8 Asthma ER Admissions 7.2 High Blood Pressure 31.6 Cancer (excluding skin) 63.4 Asthma 18.0 Coronary Heart Disease 51.0 Chronic Obstructive Pulmonary Disease 25.1 Diagnosed Diabetes 36.9	Housing habitability	40.75452329				
Dicrowded housing Dealth Outcomes Dealth Outco	Low-inc homeowner severe housing cost burden	63.7495188				
Health Outcomes Insured adults Arthritis Asthma ER Admissions Insured excluding skin) Asthma	Low-inc renter severe housing cost burden	28.85923264				
Arthritis 33.8 Asthma ER Admissions 7.2 High Blood Pressure 31.6 Cancer (excluding skin) 63.4 Asthma In Disease 51.0 Chronic Obstructive Pulmonary Disease 51.0 Chagnosed Diabetes 36.9	Uncrowded housing	30.12960349				
Arthritis 33.8 Asthma ER Admissions 7.2 High Blood Pressure 31.6 Cancer (excluding skin) 63.4 Asthma Coronary Heart Disease 51.0 Chronic Obstructive Pulmonary Disease 25.1 Diagnosed Diabetes 36.9	Health Outcomes	_				
Asthma ER Admissions Asthma ER Admissions 7.2 High Blood Pressure Cancer (excluding skin) Asthma 18.0 Coronary Heart Disease Chronic Obstructive Pulmonary Disease Diagnosed Diabetes 7.2 7.2 7.3 7.4 7.5 7.6 7.6 7.7 7.7 7.7 7.8 7.8 7.8	Insured adults	34.83895804				
High Blood Pressure 31.6 Cancer (excluding skin) 63.4 Asthma 18.0 Coronary Heart Disease 51.0 Chronic Obstructive Pulmonary Disease 25.1 Diagnosed Diabetes 36.9	Arthritis	33.8				
Cancer (excluding skin) Asthma 18.0 Coronary Heart Disease Chronic Obstructive Pulmonary Disease Diagnosed Diabetes 63.4 18.0 25.1 36.9	Asthma ER Admissions	7.2				
Asthma 18.0 Coronary Heart Disease 51.0 Chronic Obstructive Pulmonary Disease 25.1 Diagnosed Diabetes 36.9	High Blood Pressure	31.6				
Coronary Heart Disease Chronic Obstructive Pulmonary Disease Diagnosed Diabetes 51.0 25.1 36.9	Cancer (excluding skin)	63.4				
Chronic Obstructive Pulmonary Disease 25.1 Diagnosed Diabetes 36.9	Asthma	18.0				
Diagnosed Diabetes 36.9	Coronary Heart Disease	51.0				
	Chronic Obstructive Pulmonary Disease	25.1				
Life Expectancy at Birth 26.7	Diagnosed Diabetes	36.9				
	Life Expectancy at Birth	26.7				

Cognitively Disabled	33.5
Physically Disabled	45.1
Heart Attack ER Admissions	18.8
Mental Health Not Good	25.4
Chronic Kidney Disease	45.1
Obesity	20.7
Pedestrian Injuries	83.2
Physical Health Not Good	31.5
Stroke	34.3
Health Risk Behaviors	
Binge Drinking	48.9
Current Smoker	20.2
No Leisure Time for Physical Activity	33.2
Climate Change Exposures	
Wildfire Risk	0.0
SLR Inundation Area	40.9
Children	37.8
Elderly	74.7
English Speaking	34.0
Foreign-born	62.2
Outdoor Workers	13.3
Climate Change Adaptive Capacity	_
Impervious Surface Cover	39.1
Traffic Density	54.7
Traffic Access	56.6
Other Indices	_
Hardship	70.9
	. 313

Other Decision Support	_
2016 Voting	32.5

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract				
CalEnviroScreen 4.0 Score for Project Location (a)	84.0				
Healthy Places Index Score for Project Location (b)	16.0				
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	No				
Project Located in a Low-Income Community (Assembly Bill 1550)	Yes				
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No				

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification				
	Project-specific acreage for first phase of vertical construction, including Buildings A, B/C, and related landscaping, parking and circulation, stormwater detention areas, and other hardscaped areas.				
	Project-specific construction schedule. Estimated 10 months total; site prep and rough grading already done in Phase 1; no demolition.				
	Removed excavator and dozer from grading, as this is the fine grading phase - site prep and rough grading is planned for the whole development area as Phase 1 prior to this phase.				

b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Highway 12 Logistics Center Construction Phase 2 + Ops Bldgs A, B/C Detailed Report, 8/29/2023

Operations: Off-Road Equipment	Project will include yard equipment, such as forklifts, on a daily basis.
Operations: Vehicle Data	Trip rate and distances reflect project-specific traffic analysis. Used weighted average trip rate to reflect project-specific total VMT for all trips.
Operations: Fleet Mix	Project-specific fleet mix adjusted to increase HHD and MHD truck trips to align with project traffic analysis.

Highway 12 Logistics Center Construction Phase 3 + Ops Bldgs D - G Detailed Report

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1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Highway 12 Logistics Center Construction Phase 3 + Ops Bldgs D - G
Construction Start Date	8/1/2025
Operational Year	2026
Lead Agency	_
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	5.70
Precipitation (days)	39.2
Location	38.23592882035376, -122.0536791986757
County	Solano-San Francisco
City	Suisun City
Air District	Bay Area AQMD
Air Basin	San Francisco Bay Area
TAZ	856
EDFZ	4
Electric Utility	Pacific Gas & Electric Company
Gas Utility	Pacific Gas & Electric
App Version	2022.1.1.18

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq	Special Landscape	Population	Description
					ft)	Area (sq ft)		

Refrigerated Warehouse-No Rail	413	1000sqft	18.6	413,443	396,325	_	_	_
Parking Lot	13.7	Acre	13.7	0.00	0.00	_	_	_
User Defined Recreational	2.22	User Defined Unit	2.22	0.00	0.00	_	_	_
Other Non-Asphalt Surfaces	1.69	Acre	1.69	0.00	0.00	_	_	_

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Construction	C-2*	Limit Heavy-Duty Diesel Vehicle Idling
Construction	C-5	Use Advanced Engine Tiers
Construction	C-10-A	Water Exposed Surfaces
Construction	C-12	Sweep Paved Roads
Construction	C-13	Use Low-VOC Paints for Construction
Transportation	T-53*	Electrify Loading Docks
Refrigerants	R-1	Use Alternative Refrigerants Instead of High-GWP Refrigerants

^{*} Qualitative or supporting measure. Emission reductions not included in the mitigated emissions results.

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

Un/Mit.	TOG	ROG	NOx	со	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	_		_	_		_	_	_	_	_	_	_	_	_	_	_	_	_
Unmit.	2.49	346	19.1	21.0	0.05	0.79	2.78	3.57	0.72	0.47	1.04	_	5,763	5,763	0.21	0.34	11.2	5,881
Mit.	1.41	155	5.96	27.2	0.05	0.14	1.91	2.05	0.13	0.47	0.60	_	5,763	5,763	0.21	0.34	11.2	5,881

% Reduced	43%	55%	69%	-30%	_	82%	31%	43%	82%	_	42%	_	_	_	_	_	_	_
Daily, Winter (Max)	_	_	-	_	_	_	_	_	_	-	_	_	_	_	_	-	_	_
Unmit.	2.14	1.83	13.5	20.3	0.04	0.46	1.91	2.37	0.42	0.47	0.89	_	5,647	5,647	0.20	0.34	0.29	5,754
Mit.	1.33	1.18	6.25	22.2	0.04	0.14	1.91	2.05	0.13	0.47	0.60	_	5,647	5,647	0.20	0.34	0.29	5,754
% Reduced	38%	35%	54%	-10%	_	70%	_	13%	69%	_	33%	_	_	_	_	_	_	_
Average Daily (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Unmit.	0.65	12.8	4.25	5.91	0.01	0.15	0.60	0.75	0.14	0.13	0.27	_	1,659	1,659	0.06	0.09	1.23	1,688
Mit.	0.36	5.87	1.66	6.76	0.01	0.04	0.52	0.56	0.04	0.12	0.16	_	1,659	1,659	0.06	0.09	1.23	1,688
% Reduced	45%	54%	61%	-14%	_	74%	13%	25%	73%	6%	41%	-	_	_	_	_	_	_
Annual (Max)	_	_	_	_	_	_	_	_	_	_	_	-	_	_	_	_	_	_
Unmit.	0.12	2.34	0.78	1.08	< 0.005	0.03	0.11	0.14	0.03	0.02	0.05	_	275	275	0.01	0.01	0.20	279
Mit.	0.06	1.07	0.30	1.23	< 0.005	0.01	0.10	0.10	0.01	0.02	0.03	_	275	275	0.01	0.01	0.20	279
% Reduced	45%	54%	61%	-14%	_	74%	13%	25%	73%	6%	41%	_	_	_	_	-	_	_

2.2. Construction Emissions by Year, Unmitigated

Year	TOG	ROG	NOx	со	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	СО2Т	CH4	N2O	R	CO2e
Daily - Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
2025	2.49	2.10	19.1	21.0	0.05	0.79	2.78	3.57	0.72	0.47	1.04	_	5,763	5,763	0.21	0.34	11.2	5,881
2026	2.08	346	12.5	20.4	0.04	0.40	1.91	2.32	0.37	0.47	0.84	_	5,702	5,702	0.19	0.34	10.2	5,818

Daily - Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
2025	2.14	1.83	13.5	20.3	0.04	0.46	1.91	2.37	0.42	0.47	0.89	_	5,647	5,647	0.20	0.34	0.29	5,754
2026	2.05	1.70	12.8	19.7	0.04	0.40	1.91	2.32	0.37	0.47	0.84	_	5,589	5,589	0.20	0.34	0.26	5,696
Average Daily	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
2025	0.65	0.55	4.25	5.91	0.01	0.15	0.60	0.75	0.14	0.13	0.27	_	1,659	1,659	0.06	0.09	1.23	1,688
2026	0.49	12.8	3.07	4.73	0.01	0.10	0.42	0.52	0.09	0.10	0.20	_	1,302	1,302	0.04	0.08	0.99	1,326
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
2025	0.12	0.10	0.78	1.08	< 0.005	0.03	0.11	0.14	0.03	0.02	0.05	_	275	275	0.01	0.01	0.20	279
2026	0.09	2.34	0.56	0.86	< 0.005	0.02	0.08	0.10	0.02	0.02	0.04	_	215	215	0.01	0.01	0.16	220

2.3. Construction Emissions by Year, Mitigated

Year	TOG	ROG	NOx	со	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	_	-	-	_	-	_	_	_	-	_	-	_	_	_	_	_	_	-
2025	1.41	1.23	5.96	27.2	0.05	0.14	1.91	2.05	0.13	0.47	0.60	_	5,763	5,763	0.21	0.34	11.2	5,881
2026	1.32	155	5.80	22.4	0.04	0.13	1.91	2.04	0.13	0.47	0.59	_	5,702	5,702	0.19	0.34	10.2	5,818
Daily - Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
2025	1.33	1.18	6.25	22.2	0.04	0.14	1.91	2.05	0.13	0.47	0.60	_	5,647	5,647	0.20	0.34	0.29	5,754
2026	1.29	1.10	6.05	21.7	0.04	0.13	1.91	2.04	0.13	0.47	0.59	_	5,589	5,589	0.20	0.34	0.26	5,696
Average Daily	-	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
2025	0.36	0.32	1.66	6.76	0.01	0.04	0.52	0.56	0.04	0.12	0.16	_	1,659	1,659	0.06	0.09	1.23	1,688
2026	0.31	5.87	1.42	5.19	0.01	0.03	0.42	0.46	0.03	0.10	0.14	_	1,302	1,302	0.04	0.08	0.99	1,326

Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
2025	0.06	0.06	0.30	1.23	< 0.005	0.01	0.10	0.10	0.01	0.02	0.03	_	275	275	0.01	0.01	0.20	279
2026	0.06	1.07	0.26	0.95	< 0.005	0.01	0.08	0.08	0.01	0.02	0.02	_	215	215	0.01	0.01	0.16	220

2.4. Operations Emissions Compared Against Thresholds

Un/Mit.	TOG	ROG	NOx	СО	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	_	_	_	_	-	_	_	_	_	-	-	_	_	_	-	-	_	-
Unmit.	16.1	24.7	37.4	109	0.20	2.11	13.5	15.6	2.07	3.42	5.48	393	27,292	27,685	41.5	1.23	11,077	40,167
Mit.	16.1	24.7	37.4	109	0.20	2.11	13.5	15.6	2.07	3.42	5.48	393	27,292	27,685	41.5	1.23	5,186	34,276
% Reduced	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	53%	15%
Daily, Winter (Max)	_	_	_	_	-	_	_	_	_	_	_	_	_	_	-	_	_	_
Unmit.	12.7	21.5	38.4	86.5	0.19	2.08	13.5	15.6	2.04	3.42	5.46	393	26,285	26,677	41.6	1.29	11,020	39,122
Mit.	12.7	21.5	38.4	86.5	0.19	2.08	13.5	15.6	2.04	3.42	5.46	393	26,285	26,677	41.6	1.29	5,129	33,231
% Reduced	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	53%	15%
Average Daily (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Unmit.	6.06	15.4	24.4	56.0	0.23	0.72	13.4	14.2	0.67	3.43	4.10	393	30,892	31,285	41.3	2.43	11,049	44,092
Mit.	6.06	15.4	24.4	56.0	0.23	0.72	13.4	14.2	0.67	3.43	4.10	393	30,892	31,285	41.3	2.43	5,158	38,200
% Reduced	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	53%	13%
Annual (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Unmit.	1.11	2.81	4.45	10.2	0.04	0.13	2.45	2.58	0.12	0.63	0.75	65.0	5,115	5,180	6.84	0.40	1,829	7,300

Mit.	1.11	2.81	4.45	10.2	0.04	0.13	2.45	2.58	0.12	0.63	0.75	65.0	5,115	5,180	6.84	0.40	854	6,324
%	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	53%	13%
Reduced																		

2.5. Operations Emissions by Sector, Unmitigated

Sector	TOG	ROG	NOx	со	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Mobile	6.06	5.45	6.36	58.4	0.15	0.11	13.5	13.6	0.10	3.42	3.52	_	15,739	15,739	0.54	0.63	58.6	15,998
Area	3.20	13.1	0.15	18.0	< 0.005	0.03	_	0.03	0.02	_	0.02	_	73.9	73.9	< 0.005	< 0.005	_	74.2
Energy	0.06	0.03	0.55	0.46	< 0.005	0.04	_	0.04	0.04	_	0.04	_	6,604	6,604	1.02	0.12	_	6,664
Water	_	_	_	_	_	_	_	_	_	_	_	183	359	543	18.8	0.45	_	1,149
Waste	_	_	_	_	_	_	_	_	_	_	_	209	0.00	209	20.9	0.00	_	733
Refrig.	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	11,018	11,018
Off-Road	1.02	0.85	8.13	12.4	0.02	0.39	_	0.39	0.36	_	0.36	_	1,830	1,830	0.07	0.01	_	1,836
Stationar y	5.77	5.25	22.3	20.1	0.03	1.54	0.00	1.54	1.54	0.00	1.54	0.00	2,686	2,686	0.11	0.02	0.00	2,695
Total	16.1	24.7	37.4	109	0.20	2.11	13.5	15.6	2.07	3.42	5.48	393	27,292	27,685	41.5	1.23	11,077	40,167
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	-
Mobile	5.86	5.23	7.44	53.5	0.15	0.11	13.5	13.6	0.10	3.42	3.52	_	14,806	14,806	0.59	0.69	1.52	15,026
Area	_	10.1	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Energy	0.06	0.03	0.55	0.46	< 0.005	0.04	_	0.04	0.04	_	0.04	_	6,604	6,604	1.02	0.12	_	6,664
Water	_	_	_	_	_	_	_	_	_	_	_	183	359	543	18.8	0.45	_	1,149
Waste	_	_	_	_	_	_	_	_	_	_	_	209	0.00	209	20.9	0.00	_	733
Refrig.	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	11,018	11,018

Off-Road	1.02	0.85	8.13	12.4	0.02	0.39	_	0.39	0.36	_	0.36	_	1,830	1,830	0.07	0.01	_	1,836
Stationar y	5.77	5.25	22.3	20.1	0.03	1.54	0.00	1.54	1.54	0.00	1.54	0.00	2,686	2,686	0.11	0.02	0.00	2,695
Total	12.7	21.5	38.4	86.5	0.19	2.08	13.5	15.6	2.04	3.42	5.46	393	26,285	26,677	41.6	1.29	11,020	39,122
Average Daily	_	_	_	-	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Mobile	3.01	2.56	14.1	32.9	0.21	0.16	13.4	13.6	0.16	3.43	3.58	_	21,879	21,879	0.44	1.84	30.8	22,470
Area	1.58	11.6	0.07	8.87	< 0.005	0.02	_	0.02	0.01	_	0.01	_	36.5	36.5	< 0.005	< 0.005	_	36.6
Energy	0.06	0.03	0.55	0.46	< 0.005	0.04	_	0.04	0.04	_	0.04	_	6,604	6,604	1.02	0.12	_	6,664
Water	_	_	_	_	_	_	_	_	_	_	_	183	359	543	18.8	0.45	_	1,149
Waste	_	_	_	_	_	_	_	_	_	_	_	209	0.00	209	20.9	0.00	_	733
Refrig.	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	11,018	11,018
Off-Road	1.02	0.85	8.13	12.4	0.02	0.39	_	0.39	0.36	_	0.36	_	1,830	1,830	0.07	0.01	_	1,836
Stationar y	0.40	0.36	1.52	1.38	< 0.005	0.11	0.00	0.11	0.11	0.00	0.11	0.00	184	184	0.01	< 0.005	0.00	185
Total	6.06	15.4	24.4	56.0	0.23	0.72	13.4	14.2	0.67	3.43	4.10	393	30,892	31,285	41.3	2.43	11,049	44,092
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Mobile	0.55	0.47	2.58	6.00	0.04	0.03	2.45	2.48	0.03	0.63	0.65	_	3,622	3,622	0.07	0.31	5.10	3,720
Area	0.29	2.11	0.01	1.62	< 0.005	< 0.005	_	< 0.005	< 0.005	_	< 0.005	_	6.04	6.04	< 0.005	< 0.005	_	6.06
Energy	0.01	0.01	0.10	0.08	< 0.005	0.01	_	0.01	0.01	_	0.01	_	1,093	1,093	0.17	0.02	_	1,103
Water	_	_	_	_	_	_	_	_	_	_	_	30.3	59.5	89.8	3.12	0.08	_	190
Waste	_	_	_	_	_	_	_	_	_	_	_	34.7	0.00	34.7	3.47	0.00	_	121
Refrig.	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	1,824	1,824
Off-Road	0.19	0.16	1.48	2.27	< 0.005	0.07	_	0.07	0.07	_	0.07	_	303	303	0.01	< 0.005	_	304
Stationar y	0.07	0.07	0.28	0.25	< 0.005	0.02	0.00	0.02	0.02	0.00	0.02	0.00	30.5	30.5	< 0.005	< 0.005	0.00	30.6
Total	1.11	2.81	4.45	10.2	0.04	0.13	2.45	2.58	0.12	0.63	0.75	65.0	5,115	5,180	6.84	0.40	1,829	7,300

2.6. Operations Emissions by Sector, Mitigated

Sector	TOG	ROG	NOx	СО	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Mobile	6.06	5.45	6.36	58.4	0.15	0.11	13.5	13.6	0.10	3.42	3.52	_	15,739	15,739	0.54	0.63	58.6	15,998
Area	3.20	13.1	0.15	18.0	< 0.005	0.03	_	0.03	0.02	_	0.02	_	73.9	73.9	< 0.005	< 0.005	_	74.2
Energy	0.06	0.03	0.55	0.46	< 0.005	0.04	_	0.04	0.04	_	0.04	_	6,604	6,604	1.02	0.12	_	6,664
Water	_	_	_	_	_	_	_	_	_	_	_	183	359	543	18.8	0.45	_	1,149
Waste	_	_	_	_	_	_	_	_	_	_	_	209	0.00	209	20.9	0.00	_	733
Refrig.	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	5,127	5,127
Off-Road	1.02	0.85	8.13	12.4	0.02	0.39	_	0.39	0.36	_	0.36	_	1,830	1,830	0.07	0.01	_	1,836
Stationar y	5.77	5.25	22.3	20.1	0.03	1.54	0.00	1.54	1.54	0.00	1.54	0.00	2,686	2,686	0.11	0.02	0.00	2,695
Total	16.1	24.7	37.4	109	0.20	2.11	13.5	15.6	2.07	3.42	5.48	393	27,292	27,685	41.5	1.23	5,186	34,276
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Mobile	5.86	5.23	7.44	53.5	0.15	0.11	13.5	13.6	0.10	3.42	3.52	_	14,806	14,806	0.59	0.69	1.52	15,026
Area	_	10.1	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Energy	0.06	0.03	0.55	0.46	< 0.005	0.04	_	0.04	0.04	_	0.04	_	6,604	6,604	1.02	0.12	_	6,664
Water	_	_	_	_	_	_	_	_	_	_	_	183	359	543	18.8	0.45	_	1,149
Waste	_	_	_	_	_	_	_	_	_	_	_	209	0.00	209	20.9	0.00	_	733
Refrig.	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	5,127	5,127
Off-Road	1.02	0.85	8.13	12.4	0.02	0.39	_	0.39	0.36	_	0.36	_	1,830	1,830	0.07	0.01	_	1,836
Stationar	5.77	5.25	22.3	20.1	0.03	1.54	0.00	1.54	1.54	0.00	1.54	0.00	2,686	2,686	0.11	0.02	0.00	2,695
Total	12.7	21.5	38.4	86.5	0.19	2.08	13.5	15.6	2.04	3.42	5.46	393	26,285	26,677	41.6	1.29	5,129	33,231

Average Daily	_	_	_	_	_	_	_	_	_	-	_	_	_	_	_	_	_	_
Mobile	3.01	2.56	14.1	32.9	0.21	0.16	13.4	13.6	0.16	3.43	3.58	_	21,879	21,879	0.44	1.84	30.8	22,470
Area	1.58	11.6	0.07	8.87	< 0.005	0.02	_	0.02	0.01	_	0.01	_	36.5	36.5	< 0.005	< 0.005	_	36.6
Energy	0.06	0.03	0.55	0.46	< 0.005	0.04	_	0.04	0.04	_	0.04	_	6,604	6,604	1.02	0.12	_	6,664
Water	_	_	_	_	_	_	_	_	_	_	_	183	359	543	18.8	0.45	_	1,149
Waste	_	_	_	_	_	_	_	_	_	_	_	209	0.00	209	20.9	0.00	_	733
Refrig.	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	5,127	5,127
Off-Road	1.02	0.85	8.13	12.4	0.02	0.39	_	0.39	0.36	_	0.36	_	1,830	1,830	0.07	0.01	_	1,836
Stationar y	0.40	0.36	1.52	1.38	< 0.005	0.11	0.00	0.11	0.11	0.00	0.11	0.00	184	184	0.01	< 0.005	0.00	185
Total	6.06	15.4	24.4	56.0	0.23	0.72	13.4	14.2	0.67	3.43	4.10	393	30,892	31,285	41.3	2.43	5,158	38,200
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Mobile	0.55	0.47	2.58	6.00	0.04	0.03	2.45	2.48	0.03	0.63	0.65	_	3,622	3,622	0.07	0.31	5.10	3,720
Area	0.29	2.11	0.01	1.62	< 0.005	< 0.005	_	< 0.005	< 0.005	_	< 0.005	_	6.04	6.04	< 0.005	< 0.005	_	6.06
Energy	0.01	0.01	0.10	0.08	< 0.005	0.01	_	0.01	0.01	_	0.01	_	1,093	1,093	0.17	0.02	_	1,103
Water	_	_	_	_	_	_	_	_	_	_	_	30.3	59.5	89.8	3.12	0.08	_	190
Waste	_	_	_	_	_	_	_	_	_	_	_	34.7	0.00	34.7	3.47	0.00	_	121
Refrig.	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	849	849
Off-Road	0.19	0.16	1.48	2.27	< 0.005	0.07	_	0.07	0.07	_	0.07	_	303	303	0.01	< 0.005	_	304
Stationar y	0.07	0.07	0.28	0.25	< 0.005	0.02	0.00	0.02	0.02	0.00	0.02	0.00	30.5	30.5	< 0.005	< 0.005	0.00	30.6
Total	1.11	2.81	4.45	10.2	0.04	0.13	2.45	2.58	0.12	0.63	0.75	65.0	5,115	5,180	6.84	0.40	854	6,324

3. Construction Emissions Details

3.1. Grading (2025) - Unmitigated

Location	TOG	ROG	NOx	со	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Off-Road Equipmen		2.04	18.9	18.8	0.05	0.78	_	0.78	0.72	_	0.72	_	4,938	4,938	0.20	0.04	_	4,955
Dust From Material Movemen		_	_	-	-	_	2.65	2.65	-	0.29	0.29	_	-	_	_	-	_	
Onsite truck	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	_
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	-
Average Daily	_	_	_		_	_	_	_	_	_	_	_	_	_	_	_	_	_
Off-Road Equipmen		0.10	0.88	0.87	< 0.005	0.04	_	0.04	0.03	_	0.03	_	230	230	0.01	< 0.005	_	231
Dust From Material Movemen	_	_	_	-	_	_	0.12	0.12	_	0.01	0.01	_	_	_	_	_	_	-
Onsite truck	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	_
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Off-Road Equipmen		0.02	0.16	0.16	< 0.005	0.01	_	0.01	0.01	_	0.01	_	38.1	38.1	< 0.005	< 0.005	-	38.2
Dust From Material Movemen	_	_	_	_	_	_	0.02	0.02	_	< 0.005	< 0.005	_	_	_	_	_	_	_
Onsite truck	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	_

Offsite	_	_	<u> </u>	_	_	_	_	_	_	_	<u> </u>	_	_	_	_	_	_	_
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Worker	0.05	0.05	0.03	0.51	0.00	0.00	0.10	0.10	0.00	0.02	0.02	_	112	112	< 0.005	< 0.005	0.46	_
Vendor	0.01	< 0.005	0.14	0.05	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	_	107	107	< 0.005	0.02	0.29	_
Hauling	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	_
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Average Daily	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	_	4.88	4.88	< 0.005	< 0.005	0.01	_
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	_	4.98	4.98	< 0.005	< 0.005	0.01	_
Hauling	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	_
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	_	0.81	0.81	< 0.005	< 0.005	< 0.005	_
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	_	0.82	0.82	< 0.005	< 0.005	< 0.005	_
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	_	0.00	0.00	0.00	0.00	0.00	_

3.2. Grading (2025) - Mitigated

Location	TOG	ROG	NOx	СО	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Off-Road Equipmen		0.47	2.43	26.6	0.05	0.09	_	0.09	0.09	_	0.09	_	4,938	4,938	0.20	0.04	_	4,955

Dust From Material Movemen	 :	_	_	_	_	_	1.03	1.03	_	0.11	0.11	_	_	_	_	_	_	_
Onsite truck	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	_
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Average Daily	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Off-Road Equipmen		0.02	0.11	1.24	< 0.005	< 0.005	-	< 0.005	< 0.005	_	< 0.005	_	230	230	0.01	< 0.005	_	231
Dust From Material Movemen	_	_	_	_	-	_	0.05	0.05	_	0.01	0.01	_	-	_	-	_	_	_
Onsite truck	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	_
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Off-Road Equipmen		< 0.005	0.02	0.23	< 0.005	< 0.005	_	< 0.005	< 0.005	_	< 0.005	_	38.1	38.1	< 0.005	< 0.005	_	38.2
Dust From Material Movemen	_	-	_	-	-	_	0.01	0.01	_	< 0.005	< 0.005	_	-	_	-	_	_	_
Onsite truck	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	-
Offsite	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Daily, Summer (Max)	_	-	_	_	_	_	_	-	_	_	_	_	_	-	_	_	_	-
Worker	0.05	0.05	0.03	0.51	0.00	0.00	0.10	0.10	0.00	0.02	0.02	_	112	112	< 0.005	< 0.005	0.46	_
Vendor	0.01	< 0.005	0.14	0.05	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	_	107	107	< 0.005	0.02	0.29	_
Hauling	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	_

Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Average Daily	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	_	4.88	4.88	< 0.005	< 0.005	0.01	_
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	_	4.98	4.98	< 0.005	< 0.005	0.01	_
Hauling	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	_
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	_	0.81	0.81	< 0.005	< 0.005	< 0.005	_
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	_	0.82	0.82	< 0.005	< 0.005	< 0.005	_
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	_	0.00	0.00	0.00	0.00	0.00	_

3.3. Building Construction (2025) - Unmitigated

Location	TOG	ROG	NOx	co	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Off-Road Equipmen		1.13	10.4	13.0	0.02	0.43	_	0.43	0.40	_	0.40	_	2,398	2,398	0.10	0.02	_	2,406
Onsite truck	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	_
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Off-Road Equipmen		1.13	10.4	13.0	0.02	0.43	_	0.43	0.40	_	0.40	_	2,398	2,398	0.10	0.02	_	2,406
Onsite truck	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	_

Average Daily	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Off-Road Equipmen		0.28	2.62	3.27	0.01	0.11	_	0.11	0.10	_	0.10	_	601	601	0.02	< 0.005	_	603
	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	_
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Off-Road Equipmen		0.05	0.48	0.60	< 0.005	0.02	_	0.02	0.02	_	0.02	-	99.4	99.4	< 0.005	< 0.005	-	99.8
Onsite truck	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	-
Offsite	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Worker	0.75	0.69	0.44	7.03	0.00	0.00	1.44	1.44	0.00	0.34	0.34	_	1,554	1,554	0.03	0.06	6.39	_
Vendor	0.13	0.06	2.36	0.92	0.01	0.03	0.48	0.50	0.03	0.13	0.16	_	1,811	1,811	0.06	0.26	4.86	-
Hauling	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	-
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Worker	0.67	0.65	0.60	6.27	0.00	0.00	1.44	1.44	0.00	0.34	0.34	_	1,437	1,437	0.04	0.06	0.17	_
Vendor	0.13	0.05	2.49	0.95	0.01	0.03	0.48	0.50	0.03	0.13	0.16	_	1,812	1,812	0.06	0.26	0.13	_
Hauling	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	_
Average Daily	_	_	_	_	_	_	_	_	_	_	_	-	_	_	_	-	_	-
Worker	0.17	0.16	0.14	1.51	0.00	0.00	0.35	0.35	0.00	0.08	0.08	_	364	364	0.01	0.02	0.69	_
Vendor	0.03	0.01	0.61	0.23	< 0.005	0.01	0.12	0.12	0.01	0.03	0.04	_	454	454	0.01	0.07	0.53	_
Hauling	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	_
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Worker	0.03	0.03	0.02	0.28	0.00	0.00	0.06	0.06	0.00	0.01	0.01	_	60.3	60.3	< 0.005	< 0.005	0.11	_

Vendor	0.01	< 0.005	0.11	0.04	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	_	75.1	75.1	< 0.005	0.01	0.09	_
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	_	0.00	0.00	0.00	0.00	0.00	_

3.4. Building Construction (2025) - Mitigated

Location	TOG	ROG	NOx	со	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Daily, Summer (Max)			_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Off-Road Equipmen		0.48	3.16	15.0	0.02	0.11	_	0.11	0.11	_	0.11	_	2,398	2,398	0.10	0.02	_	2,406
Onsite truck	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	_
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	-	_	_	_	_
Off-Road Equipmen		0.48	3.16	15.0	0.02	0.11	_	0.11	0.11	_	0.11	_	2,398	2,398	0.10	0.02	_	2,406
Onsite truck	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	_
Average Daily	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Off-Road Equipmen		0.12	0.79	3.75	0.01	0.03	_	0.03	0.03	_	0.03	_	601	601	0.02	< 0.005	_	603
Onsite truck	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	_
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Off-Road Equipmen		0.02	0.14	0.68	< 0.005	0.01	_	0.01	< 0.005	_	< 0.005	_	99.4	99.4	< 0.005	< 0.005	_	99.8
Onsite truck	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	_

Offsite	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Worker	0.75	0.69	0.44	7.03	0.00	0.00	1.44	1.44	0.00	0.34	0.34	_	1,554	1,554	0.03	0.06	6.39	_
Vendor	0.13	0.06	2.36	0.92	0.01	0.03	0.48	0.50	0.03	0.13	0.16	_	1,811	1,811	0.06	0.26	4.86	_
Hauling	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	_
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Worker	0.67	0.65	0.60	6.27	0.00	0.00	1.44	1.44	0.00	0.34	0.34	_	1,437	1,437	0.04	0.06	0.17	_
Vendor	0.13	0.05	2.49	0.95	0.01	0.03	0.48	0.50	0.03	0.13	0.16	_	1,812	1,812	0.06	0.26	0.13	_
Hauling	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	_
Average Daily	_	_	_	_	_	_	_	_	_	_	_	_	_	_	-	_	_	_
Worker	0.17	0.16	0.14	1.51	0.00	0.00	0.35	0.35	0.00	0.08	0.08	_	364	364	0.01	0.02	0.69	_
Vendor	0.03	0.01	0.61	0.23	< 0.005	0.01	0.12	0.12	0.01	0.03	0.04	_	454	454	0.01	0.07	0.53	_
Hauling	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	_
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Worker	0.03	0.03	0.02	0.28	0.00	0.00	0.06	0.06	0.00	0.01	0.01	_	60.3	60.3	< 0.005	< 0.005	0.11	_
Vendor	0.01	< 0.005	0.11	0.04	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	_	75.1	75.1	< 0.005	0.01	0.09	_
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	_	0.00	0.00	0.00	0.00	0.00	_

3.5. Building Construction (2026) - Unmitigated

Location	TOG	ROG	NOx	со	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	_	_	_	_	_	_	_	_	_	_	<u> </u>	_	_	_	_	_	_	_
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_

Off-Road Equipmen		1.07	9.85	13.0	0.02	0.38	_	0.38	0.35	_	0.35	_	2,397	2,397	0.10	0.02	_	2,405
Onsite truck	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	_
Daily, Winter (Max)	_	_	_	_	_	_	_	-	_	_	-	_	-	_	-	_	_	_
Off-Road Equipmen		1.07	9.85	13.0	0.02	0.38	_	0.38	0.35	_	0.35	_	2,397	2,397	0.10	0.02	_	2,405
Onsite truck	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	_
Average Daily	_	_	_	_	_	_	_	_	_	_	-	_	_	_	_	_	-	_
Off-Road Equipmen		0.23	2.16	2.84	0.01	0.08	_	0.08	0.08	_	0.08	_	525	525	0.02	< 0.005	_	527
Onsite truck	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	-
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Off-Road Equipmen		0.04	0.39	0.52	< 0.005	0.02	_	0.02	0.01	_	0.01	_	87.0	87.0	< 0.005	< 0.005	_	87.3
Onsite truck	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	-
Offsite	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Worker	0.67	0.65	0.43	6.54	0.00	0.00	1.44	1.44	0.00	0.34	0.34	_	1,524	1,524	0.03	0.06	5.87	_
Vendor	0.13	0.06	2.25	0.89	0.01	0.03	0.48	0.50	0.03	0.13	0.16	_	1,781	1,781	0.06	0.26	4.31	_
Hauling	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	_
Daily, Winter (Max)	_	-	-	_	_	_	_	_	_	-	_	_	-	_	-	_	_	_
Worker	0.64	0.58	0.55	5.87	0.00	0.00	1.44	1.44	0.00	0.34	0.34	_	1,410	1,410	0.04	0.06	0.15	_

Vendor	0.13	0.05	2.38	0.91	0.01	0.03	0.48	0.50	0.03	0.13	0.16	_	1,782	1,782	0.06	0.26	0.11	_
Hauling	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	_
Average Daily	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Worker	0.14	0.13	0.11	1.24	0.00	0.00	0.31	0.31	0.00	0.07	0.07	_	313	313	0.01	0.01	0.56	_
Vendor	0.03	0.01	0.51	0.20	< 0.005	0.01	0.10	0.11	0.01	0.03	0.03	_	390	390	0.01	0.06	0.41	_
Hauling	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	_
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Worker	0.03	0.02	0.02	0.23	0.00	0.00	0.06	0.06	0.00	0.01	0.01	_	51.8	51.8	< 0.005	< 0.005	0.09	_
Vendor	0.01	< 0.005	0.09	0.04	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	_	64.6	64.6	< 0.005	0.01	0.07	_
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	_	0.00	0.00	0.00	0.00	0.00	_

3.6. Building Construction (2026) - Mitigated

				СО						DM2.5D		BCO2	NBCO2	CO2T	CH4	N2O	В	CO2e
Location	TOG	ROG	NOx	CO	502	PM10E	PINITUD	PM10T	PIVIZ.5E	PM2.5D	PIVIZ.51	BCO2	INBCO2	CO21	CH4	N2U	R	COZe
Onsite	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Off-Road Equipmen		0.47	3.12	15.0	0.02	0.11	_	0.11	0.10	_	0.10	_	2,397	2,397	0.10	0.02	_	2,405
Onsite truck	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	_
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Off-Road Equipmen		0.47	3.12	15.0	0.02	0.11	_	0.11	0.10	_	0.10	_	2,397	2,397	0.10	0.02	_	2,405
Onsite truck	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	_

A																		
Average Daily	_	_	_	_	_	_		_				_	_	_	_			_
Off-Road Equipmen		0.10	0.68	3.28	0.01	0.02	_	0.02	0.02	_	0.02	_	525	525	0.02	< 0.005	_	527
Onsite truck	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	_
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Off-Road Equipmen		0.02	0.12	0.60	< 0.005	< 0.005	_	< 0.005	< 0.005	_	< 0.005	-	87.0	87.0	< 0.005	< 0.005	-	87.3
Onsite truck	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	_
Offsite	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Daily, Summer (Max)	_	_	_	_	_	_	-	_	_	_	_	_	_	_	_	_	_	_
Worker	0.67	0.65	0.43	6.54	0.00	0.00	1.44	1.44	0.00	0.34	0.34	_	1,524	1,524	0.03	0.06	5.87	_
Vendor	0.13	0.06	2.25	0.89	0.01	0.03	0.48	0.50	0.03	0.13	0.16	_	1,781	1,781	0.06	0.26	4.31	_
Hauling	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	_
Daily, Winter (Max)		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Worker	0.64	0.58	0.55	5.87	0.00	0.00	1.44	1.44	0.00	0.34	0.34	_	1,410	1,410	0.04	0.06	0.15	_
Vendor	0.13	0.05	2.38	0.91	0.01	0.03	0.48	0.50	0.03	0.13	0.16	_	1,782	1,782	0.06	0.26	0.11	_
Hauling	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	_
Average Daily	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Worker	0.14	0.13	0.11	1.24	0.00	0.00	0.31	0.31	0.00	0.07	0.07	_	313	313	0.01	0.01	0.56	-
Vendor	0.03	0.01	0.51	0.20	< 0.005	0.01	0.10	0.11	0.01	0.03	0.03	_	390	390	0.01	0.06	0.41	_
Hauling	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	_
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Worker	0.03	0.02	0.02	0.23	0.00	0.00	0.06	0.06	0.00	0.01	0.01	_	51.8	51.8	< 0.005	< 0.005	0.09	_

Vendor	0.01	< 0.005	0.09	0.04	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	_	64.6	64.6	< 0.005	0.01	0.07	_
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	_	0.00	0.00	0.00	0.00	0.00	_

3.7. Paving (2026) - Unmitigated

Location	TOG	ROG	NOx	со	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Daily, Summer (Max)		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Off-Road Equipmen		0.76	7.12	9.94	0.01	0.32	_	0.32	0.29	_	0.29	_	1,511	1,511	0.06	0.01	_	1,516
Paving	_	2.77	_	-	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Onsite truck	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	_
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Average Daily	_	_	_	_		_	_	_	_	_	_	_	_	_	_	_	_	_
Off-Road Equipmen		0.03	0.25	0.35	< 0.005	0.01	_	0.01	0.01	_	0.01	_	53.8	53.8	< 0.005	< 0.005	_	54.0
Paving	_	0.10	_	-	_	_	_	_	_	_	_	_	_	_	_	-	_	_
Onsite truck	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	_
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Off-Road Equipmen		< 0.005	0.05	0.06	< 0.005	< 0.005	_	< 0.005	< 0.005	_	< 0.005	_	8.91	8.91	< 0.005	< 0.005	_	8.94
Paving	_	0.02	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Onsite truck	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	_

Offsite	_	_	_	_	_	_	_	_	_	_	<u> </u>	_	_	_	_	_	_	_
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Worker	0.06	0.06	0.04	0.57	0.00	0.00	0.12	0.12	0.00	0.03	0.03	_	132	132	< 0.005	< 0.005	0.51	_
Vendor	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	_
Hauling	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	_
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_		_	_
Average Daily	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	_	4.39	4.39	< 0.005	< 0.005	0.01	_
Vendor	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	_
Hauling	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	_
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	_	0.73	0.73	< 0.005	< 0.005	< 0.005	_
Vendor	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	_
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	_	0.00	0.00	0.00	0.00	0.00	_

3.8. Paving (2026) - Mitigated

Location	TOG	ROG	NOx	СО	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Off-Road Equipmen		0.38	2.35	10.6	0.01	0.10	_	0.10	0.09	_	0.09	_	1,511	1,511	0.06	0.01	_	1,516
Paving	_	2.77	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_

Onsite truck	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	_
Daily, Winter (Max)	_	_	_	_	_	_	-	_	_	_	_	_	_	_	_	_	_	_
Average Daily	_	-	_	_	-	-	_	_	_	_	_	_	-	_	_	_	_	_
Off-Road Equipmen		0.01	0.08	0.38	< 0.005	< 0.005	_	< 0.005	< 0.005	_	< 0.005	_	53.8	53.8	< 0.005	< 0.005	_	54.0
Paving	_	0.10	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Onsite truck	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	-
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Off-Road Equipmen		< 0.005	0.02	0.07	< 0.005	< 0.005	-	< 0.005	< 0.005	_	< 0.005	_	8.91	8.91	< 0.005	< 0.005	-	8.94
Paving	_	0.02	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Onsite truck	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	-
Offsite	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Worker	0.06	0.06	0.04	0.57	0.00	0.00	0.12	0.12	0.00	0.03	0.03	_	132	132	< 0.005	< 0.005	0.51	_
Vendor	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	_
Hauling	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	_
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	-	_	-	_	_	_	_	_
Average Daily	_	_	_	_	_	_	_	_	_	_	_	_	-	_	_	_	_	_
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	_	4.39	4.39	< 0.005	< 0.005	0.01	_
Vendor	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	_

Hauling	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	_
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	_	0.73	0.73	< 0.005	< 0.005	< 0.005	_
Vendor	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	_
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	_	0.00	0.00	0.00	0.00	0.00	_

3.9. Architectural Coating (2026) - Unmitigated

omicona.		110 (110) ala	,	<i>y</i> ,	101 01111	, ,	J. 100 (.			. ,	ai ii iaai,							
Location	TOG	ROG	NOx	СО	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Off-Road Equipmen		0.12	0.86	1.13	< 0.005	0.02	_	0.02	0.02	_	0.02	_	134	134	0.01	< 0.005	_	134
Architect ural Coatings	_	346	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Onsite truck	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	_
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Average Daily	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Off-Road Equipmen		< 0.005	0.03	0.04	< 0.005	< 0.005	_	< 0.005	< 0.005	_	< 0.005	_	4.75	4.75	< 0.005	< 0.005	_	4.77
Architect ural Coatings		12.3	_	_	_			_	_		_	_			_	_	_	_
Onsite truck	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	_

Annual	_	_	_		_	_	_	_	_	_	_	_	_	_	_	_	_	_
Off-Road Equipmen		< 0.005	0.01	0.01	< 0.005	< 0.005	_	< 0.005	< 0.005	_	< 0.005	_	0.79	0.79	< 0.005	< 0.005	_	0.79
Architect ural Coatings	_	2.25	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Onsite truck	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	-
Offsite	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Worker	0.13	0.13	0.09	1.31	0.00	0.00	0.29	0.29	0.00	0.07	0.07	_	305	305	0.01	0.01	1.17	_
Vendor	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	_
Hauling	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	_
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Average Daily	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	-
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	_	10.2	10.2	< 0.005	< 0.005	0.02	_
Vendor	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	_
Hauling	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	_
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	_	1.68	1.68	< 0.005	< 0.005	< 0.005	_
Vendor	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	_
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	_	0.00	0.00	0.00	0.00	0.00	_

3.10. Architectural Coating (2026) - Mitigated

Location	TOG	ROG	NOx	СО	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Off-Road Equipmen		0.12	0.86	1.13	< 0.005	0.02	_	0.02	0.02	_	0.02	_	134	134	0.01	< 0.005	_	134
Architect ural Coatings	_	155	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Onsite truck	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	-
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	-	_	-	_	_	_	_
Average Daily	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	-
Off-Road Equipmen		< 0.005	0.03	0.04	< 0.005	< 0.005	_	< 0.005	< 0.005	_	< 0.005	_	4.75	4.75	< 0.005	< 0.005	_	4.77
Architect ural Coatings	_	5.51	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Onsite truck	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	_
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Off-Road Equipmen		< 0.005	0.01	0.01	< 0.005	< 0.005	_	< 0.005	< 0.005	_	< 0.005	_	0.79	0.79	< 0.005	< 0.005	_	0.79
Architect ural Coatings	_	1.01	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Onsite truck	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	_
Offsite	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_

Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Worker	0.13	0.13	0.09	1.31	0.00	0.00	0.29	0.29	0.00	0.07	0.07	_	305	305	0.01	0.01	1.17	_
Vendor	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	_
Hauling	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	_
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Average Daily	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	_	10.2	10.2	< 0.005	< 0.005	0.02	_
Vendor	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	_
Hauling	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	_
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	_	1.68	1.68	< 0.005	< 0.005	< 0.005	_
Vendor	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	_
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	_	0.00	0.00	0.00	0.00	0.00	_

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

Land Use	TOG	ROG	NOx	со	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_

Refrigera Warehous Rail		5.45	6.36	58.4	0.15	0.11	13.5	13.6	0.10	3.42	3.52	_	15,739	15,739	0.54	0.63	58.6	15,998
Parking Lot	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	0.00
User Defined Recreation	0.00 nal	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
Other Non-Aspha Surfaces	0.00 alt	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
Total	6.06	5.45	6.36	58.4	0.15	0.11	13.5	13.6	0.10	3.42	3.52	_	15,739	15,739	0.54	0.63	58.6	15,998
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	-	_	_	_
Refrigera ted Warehou se-No Rail	5.86	5.23	7.44	53.5	0.15	0.11	13.5	13.6	0.10	3.42	3.52	_	14,806	14,806	0.59	0.69	1.52	15,026
Parking Lot	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	0.00
User Defined Recreation	0.00 nal	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
Other Non-Aspha Surfaces	0.00 alt	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
Total	5.86	5.23	7.44	53.5	0.15	0.11	13.5	13.6	0.10	3.42	3.52	_	14,806	14,806	0.59	0.69	1.52	15,026
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Refrigera ted Warehou se-No Rail	0.55	0.47	2.58	6.00	0.04	0.03	2.45	2.48	0.03	0.63	0.65	_	3,622	3,622	0.07	0.31	5.10	3,720

Parking Lot	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	0.00
User Defined Recreation	0.00 nal	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
Other Non-Asph Surfaces	0.00 alt	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
Total	0.55	0.47	2.58	6.00	0.04	0.03	2.45	2.48	0.03	0.63	0.65	_	3,622	3,622	0.07	0.31	5.10	3,720

4.1.2. Mitigated

Land Use	TOG	ROG	NOx	СО	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	СО2Т	CH4	N2O	R	CO2e
Daily, Summer (Max)	_	-	_	-	_	_	_	_	_	_	_	-	_	_	-	_	_	-
Refrigera ted Warehou se-No Rail	6.06	5.45	6.36	58.4	0.15	0.11	13.5	13.6	0.10	3.42	3.52	_	15,739	15,739	0.54	0.63	58.6	15,998
Parking Lot	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	0.00
User Defined Recreation	0.00 าal	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
Other Non-Asph Surfaces	0.00 alt	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
Total	6.06	5.45	6.36	58.4	0.15	0.11	13.5	13.6	0.10	3.42	3.52	_	15,739	15,739	0.54	0.63	58.6	15,998
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_

Refrigera Warehouse Rail		5.23	7.44	53.5	0.15	0.11	13.5	13.6	0.10	3.42	3.52	-	14,806	14,806	0.59	0.69	1.52	15,026
Parking Lot	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	0.00
User Defined Recreation	0.00 nal	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
Other Non-Aspha Surfaces	0.00 alt	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
Total	5.86	5.23	7.44	53.5	0.15	0.11	13.5	13.6	0.10	3.42	3.52	_	14,806	14,806	0.59	0.69	1.52	15,026
Annual	_	_	_	-	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Refrigera ted Warehou se-No Rail	0.55	0.47	2.58	6.00	0.04	0.03	2.45	2.48	0.03	0.63	0.65	_	3,622	3,622	0.07	0.31	5.10	3,720
Parking Lot	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	0.00
User Defined Recreation	0.00 nal	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
Other Non-Aspha Surfaces	0.00 alt	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
Total	0.55	0.47	2.58	6.00	0.04	0.03	2.45	2.48	0.03	0.63	0.65	_	3,622	3,622	0.07	0.31	5.10	3,720

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

Land	TOG	ROG	NOx	со	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Use																		

Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Refrigera ted Warehou se-No Rail	_	_	_	_	_	_	_	_	_	_	_	_	5,653	5,653	0.91	0.11	_	5,709
Parking Lot	_	_	_	_	_	_	_	_	_	_	_	_	293	293	0.05	0.01	_	296
User Defined Recreation	— nal	_	_	_	_	_	_	_	_	_	_	_	0.00	0.00	0.00	0.00	_	0.00
Other Non-Aspha Surfaces	— alt	_	_	_	_	_	_	_	_	_	_	_	0.00	0.00	0.00	0.00	_	0.00
Total	_	_	_	_	_	_	_	_	_	_	_	_	5,946	5,946	0.96	0.12	_	6,005
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Refrigera ted Warehou se-No Rail	_	_	_	_	_	_	_	_	_	_	_	_	5,653	5,653	0.91	0.11	_	5,709
Parking Lot	_	_	_	_	_	_	_	_	_	_	_	_	293	293	0.05	0.01	_	296
User Defined Recreation	— nal	_	_	_	_	_	_	_	_	_	_	_	0.00	0.00	0.00	0.00	_	0.00
Other Non-Aspha Surfaces	— alt	_	_		_	_	_	_	_	_	_	_	0.00	0.00	0.00	0.00	_	0.00
Total	_	_	_	_	_	_	_	_	_	_	_	_	5,946	5,946	0.96	0.12	_	6,005
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_

Refrigera ted	_	_	_	_	_	_		_	_	_	_	_	936	936	0.15	0.02	_	945
Parking Lot	_	_	_	_	_	_		_	_	_	_	_	48.5	48.5	0.01	< 0.005	_	49.0
User Defined Recreation	— nal	_	_	_	_	_		_	_	_	_	_	0.00	0.00	0.00	0.00	_	0.00
Other Non-Asph Surfaces	— alt	_	_	_	_	_	_	_	_	_	_	_	0.00	0.00	0.00	0.00	_	0.00
Total	_	_	_	_	_	_	_	_	_	_	_	_	984	984	0.16	0.02	_	994

4.2.2. Electricity Emissions By Land Use - Mitigated

	TOG	ROG			SO2							BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Refrigera ted Warehou se-No Rail	_	_	_	_	_	_	_	_	_	_	_	_	5,653	5,653	0.91	0.11	_	5,709
Parking Lot	_	_	_	_	_	_	_	_	_	_	_	_	293	293	0.05	0.01	_	296
User Defined Recreation	— าal	_	_	_	_	_	_	_	_	_	_	_	0.00	0.00	0.00	0.00	_	0.00
Other Non-Asph Surfaces	— alt	_	_	_	_	_	_	_	_	_	_	_	0.00	0.00	0.00	0.00	_	0.00
Total	_	_	_	_	_	_	_	_	_	_	_	_	5,946	5,946	0.96	0.12	_	6,005

				_														
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Refrigera ted Warehou se-No Rail	_	_	_		_	_	_	_	_	_	_	_	5,653	5,653	0.91	0.11	_	5,709
Parking Lot	_	_	_	_	_	_	_	_	_	_	_	_	293	293	0.05	0.01	_	296
User Defined Recreation	— nal	_	_	_	_	_	_	_	_	_	_	_	0.00	0.00	0.00	0.00	_	0.00
Other Non-Asph Surfaces	— alt	_	_	_	_	_	_	_	_	_	_	_	0.00	0.00	0.00	0.00	_	0.00
Total	_	_	_	_	_	_	_	_	_	_	_	_	5,946	5,946	0.96	0.12	_	6,005
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Refrigera ted Warehou se-No Rail	_	_	_	_	_	_	_	-	-	_	_	_	936	936	0.15	0.02	_	945
Parking Lot	_	_	_	_	_	_	_	_	_	_	_	_	48.5	48.5	0.01	< 0.005	_	49.0
User Defined Recreation	— ınal	_	_	_	_	_	_	_	_	_	_	_	0.00	0.00	0.00	0.00	_	0.00
Other Non-Asph Surfaces	— alt	_	_	_	_	_	_	_	_	_	_	_	0.00	0.00	0.00	0.00	_	0.00
Total	_	_	_	_	_	_	_	_	_	_	_	_	984	984	0.16	0.02	_	994

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

Land	TOG	ROG	NOx	СО	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Use																		
Daily, Summer (Max)	_	_		_	_					_	_		_			_		
Refrigera ted Warehou se-No Rail	0.06	0.03	0.55	0.46	< 0.005	0.04	_	0.04	0.04	_	0.04	_	657	657	0.06	< 0.005	_	659
Parking Lot	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
User Defined Recreation	0.00 nal	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
Other Non-Asph Surfaces	0.00 alt	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
Total	0.06	0.03	0.55	0.46	< 0.005	0.04	_	0.04	0.04	_	0.04	_	657	657	0.06	< 0.005	_	659
Daily, Winter (Max)	-	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Refrigera ted Warehou se-No Rail	0.06	0.03	0.55	0.46	< 0.005	0.04	_	0.04	0.04	_	0.04	-	657	657	0.06	< 0.005	_	659
Parking Lot	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
User Defined Recreation	0.00 nal	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
Other Non-Asph Surfaces	0.00 alt	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
Total	0.06	0.03	0.55	0.46	< 0.005	0.04	_	0.04	0.04	_	0.04	_	657	657	0.06	< 0.005	_	659

Annual	_	_	_	-	-	_	<u> </u>	_	_	_	_	_	_	_	-	_	_	_
Refrigera ted Warehou se-No Rail	0.01	0.01	0.10	0.08	< 0.005	0.01	_	0.01	0.01	_	0.01	_	109	109	0.01	< 0.005		109
Parking Lot	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
User Defined Recreatio	0.00 nal	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
Other Non-Asph Surfaces	0.00 alt	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
Total	0.01	0.01	0.10	0.08	< 0.005	0.01	_	0.01	0.01	_	0.01	_	109	109	0.01	< 0.005	_	109

4.2.4. Natural Gas Emissions By Land Use - Mitigated

Land Use	TOG	ROG	NOx	со	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Refrigera ted Warehou se-No Rail	0.06	0.03	0.55	0.46	< 0.005	0.04		0.04	0.04	_	0.04	_	657	657	0.06	< 0.005		659
Parking Lot	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
User Defined Recreation	0.00 nal	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

Other Non-Asph Surfaces	0.00 alt	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
Total	0.06	0.03	0.55	0.46	< 0.005	0.04	_	0.04	0.04	_	0.04	_	657	657	0.06	< 0.005	_	659
Daily, Winter (Max)	_	_	-	_	_	_	_	-	_	-	_	-		_	_	_	_	-
Refrigera ted Warehou se-No Rail	0.06	0.03	0.55	0.46	< 0.005	0.04	_	0.04	0.04	_	0.04	_	657	657	0.06	< 0.005	_	659
Parking Lot	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
User Defined Recreation	0.00 nal	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
Other Non-Asph Surfaces	0.00 alt	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
Total	0.06	0.03	0.55	0.46	< 0.005	0.04	_	0.04	0.04	_	0.04	_	657	657	0.06	< 0.005	_	659
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Refrigera ted Warehou se-No Rail	0.01	0.01	0.10	0.08	< 0.005	0.01	-	0.01	0.01	_	0.01	_	109	109	0.01	< 0.005	_	109
Parking Lot	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
User Defined Recreation	0.00 nal	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
Other Non-Asph Surfaces	0.00 alt	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
Total	0.01	0.01	0.10	0.08	< 0.005	0.01	_	0.01	0.01	_	0.01	_	109	109	0.01	< 0.005	_	109

4.3. Area Emissions by Source

4.3.1. Unmitigated

Source	TOG	ROG	NOx	со	SO2	PM10E	PM10D	PM10T	PM2.5E		PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Consum er Products	_	8.90	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Architect ural Coatings	_	1.23	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Landsca pe Equipme nt	3.20	2.95	0.15	18.0	< 0.005	0.03	_	0.03	0.02		0.02	_	73.9	73.9	< 0.005	< 0.005	_	74.2
Total	3.20	13.1	0.15	18.0	< 0.005	0.03	_	0.03	0.02	_	0.02	_	73.9	73.9	< 0.005	< 0.005	_	74.2
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Consum er Products	_	8.90	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Architect ural Coatings	_	1.23	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Total	_	10.1	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Consum er Products	_	1.62	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_

Architect ural	_	0.22	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Landsca pe Equipme nt	0.29	0.27	0.01	1.62	< 0.005	< 0.005	_	< 0.005	< 0.005	_	< 0.005	_	6.04	6.04	< 0.005	< 0.005	_	6.06
Total	0.29	2.11	0.01	1.62	< 0.005	< 0.005	_	< 0.005	< 0.005	_	< 0.005	_	6.04	6.04	< 0.005	< 0.005	_	6.06

4.3.2. Mitigated

		110 (110) 0101				Jones Communication												
Source	TOG	ROG	NOx	СО	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Consum er Products	_	8.90	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Architect ural Coatings	_	1.23	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Landsca pe Equipme nt	3.20	2.95	0.15	18.0	< 0.005	0.03	_	0.03	0.02		0.02	_	73.9	73.9	< 0.005	< 0.005	_	74.2
Total	3.20	13.1	0.15	18.0	< 0.005	0.03	_	0.03	0.02	_	0.02	_	73.9	73.9	< 0.005	< 0.005	_	74.2
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Consum er Products	_	8.90	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Architect ural Coatings	_	1.23	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_

Total	_	10.1	_	-	_	_	_	_	_	_	_	-	_	_	_	_	_	_
Annual	_	_	_	_	_	<u> </u>	<u> </u>	_	<u> </u>	_	_	_	_	_	_	_	_	_
Consum er Products	_	1.62	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Architect ural Coatings	_	0.22	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Landsca pe Equipme nt	0.29	0.27	0.01	1.62	< 0.005	< 0.005	_	< 0.005	< 0.005	_	< 0.005	_	6.04	6.04	< 0.005	< 0.005	_	6.06
Total	0.29	2.11	0.01	1.62	< 0.005	< 0.005	_	< 0.005	< 0.005	_	< 0.005	_	6.04	6.04	< 0.005	< 0.005	_	6.06

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

Land Use	TOG	ROG	NOx	со	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Refrigera ted Warehou se-No Rail	_	_	_	_	_	_	_	_	_	_	_	183	359	543	18.8	0.45	_	1,149
Parking Lot	_	_	_	_	_	_	_	_	_	_	_	0.00	0.00	0.00	0.00	0.00	_	0.00
User Defined Recreation	— nal	_	_	_	_	_	_	_	_	_	_	0.00	0.00	0.00	0.00	0.00	_	0.00

Other Non-Asph Surfaces	— alt	_	_	_	_	_		_	_	_	_	0.00	0.00	0.00	0.00	0.00	_	0.00
Total	_	_	_	_	_	_	_	_	_	_	_	183	359	543	18.8	0.45	_	1,149
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	-	-	_			_	_
Refrigera ted Warehou se-No Rail	_	_	_	_	_	_	_	_	_	_	_	183	359	543	18.8	0.45	_	1,149
Parking Lot	_	_	_	_	_	_	_	_	_	_	_	0.00	0.00	0.00	0.00	0.00	_	0.00
User Defined Recreation	— nal	_	_	_	_	_	_	_	_	_	_	0.00	0.00	0.00	0.00	0.00	_	0.00
Other Non-Asph Surfaces	— alt	_	_	_	_	_	_	_	_	_	_	0.00	0.00	0.00	0.00	0.00	_	0.00
Total	_	_	_	_	_	_	_	_	_	_	_	183	359	543	18.8	0.45	_	1,149
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Refrigera ted Warehou se-No Rail	_	_	_	_	_	_	_	_	_		_	30.3	59.5	89.8	3.12	0.08	_	190
Parking Lot	_	_	_	_	_	_	_	_	_	_	_	0.00	0.00	0.00	0.00	0.00	_	0.00
User Defined Recreation	— าal	_	_	_	_	_	_	_	_	_	_	0.00	0.00	0.00	0.00	0.00	_	0.00
Other Non-Asph Surfaces	— alt	_	_	_	_	_	_	_	_	-	_	0.00	0.00	0.00	0.00	0.00	_	0.00
Total												30.3	59.5	89.8	3.12	0.08		190

4.4.2. Mitigated

Land Use	TOG	ROG	NOx	СО	SO2	PM10E	PM10D	PM10T	PM2.5E		PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Refrigera ted Warehou se-No Rail	_	_	_	_		_	_	_	_	_	_	183	359	543	18.8	0.45	_	1,149
Parking Lot	_	_	_	_	_	_	_	_	_	_	_	0.00	0.00	0.00	0.00	0.00	_	0.00
User Defined Recreation	— nal	_	_	_	_	-	_	_	_	_	_	0.00	0.00	0.00	0.00	0.00	_	0.00
Other Non-Asph Surfaces	— alt	_	_	_	_	_	_	_	_	_	_	0.00	0.00	0.00	0.00	0.00	_	0.00
Total	_	_	_	_	_	_	_	_	_	_	_	183	359	543	18.8	0.45	_	1,149
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	-	_	_	_
Refrigera ted Warehou se-No Rail	_	_	_	_	_	_	_	_	_	_	_	183	359	543	18.8	0.45	_	1,149
Parking Lot	_	_	_	_	_	_	_	_	_	_	_	0.00	0.00	0.00	0.00	0.00	_	0.00
User Defined Recreation	— nal	_	_	_	_	_	_	_	_	_	_	0.00	0.00	0.00	0.00	0.00	_	0.00

Other Non-Asph Surfaces	— alt	_	_	_	_	_	_	_	_	_	_	0.00	0.00	0.00	0.00	0.00	_	0.00
Total	_	_	_	_	_	_	_	_	_	_	_	183	359	543	18.8	0.45	_	1,149
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Refrigera ted Warehou se-No Rail	_	_	_	_	_	_	_	_	_	_	_	30.3	59.5	89.8	3.12	0.08	_	190
Parking Lot	_	_	_	-	_	-	_	_	_	_	_	0.00	0.00	0.00	0.00	0.00	-	0.00
User Defined Recreation	— าal	_	_	_	_	_	_	-	-	_	-	0.00	0.00	0.00	0.00	0.00	_	0.00
Other Non-Asph Surfaces	— alt	_	_	_	_		_		_	_	_	0.00	0.00	0.00	0.00	0.00	_	0.00
Total	_	_	_	_	_	_	_	_	_	_	_	30.3	59.5	89.8	3.12	0.08	_	190

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

Land Use	TOG	ROG		со	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Refrigera ted Warehou se-No Rail	_	_	_	_	_	_	_	_	_	_	_	209	0.00	209	20.9	0.00	_	733

Parking Lot	_		_	_	_	_	_	_	_	_	_	0.00	0.00	0.00	0.00	0.00	_	0.00
User Defined Recreation	— nal	_	_	_	_	_	_	_	_	_	_	0.00	0.00	0.00	0.00	0.00	_	0.00
Other Non-Aspha Surfaces	— alt	_	_	_	_	_	_	_	_	_	_	0.00	0.00	0.00	0.00	0.00	_	0.00
Total	_	_	_	_	_	_	_	_	_	_	_	209	0.00	209	20.9	0.00	_	733
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Refrigera ted Warehou se-No Rail	_	_	-	_	_	_	_	_	_	_	_	209	0.00	209	20.9	0.00	_	733
Parking Lot	_	_	_	_	_	_	_	_	_	_	_	0.00	0.00	0.00	0.00	0.00	_	0.00
User Defined Recreation	— nal	_	_	_	_	_	_	_	_	_	-	0.00	0.00	0.00	0.00	0.00	_	0.00
Other Non-Aspha Surfaces	— alt	_	_	_	_	_	_	_	_	_	_	0.00	0.00	0.00	0.00	0.00	_	0.00
Total	_	_	_	_	_	_	_	_	_	_	_	209	0.00	209	20.9	0.00	_	733
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Refrigera ted Warehou se-No Rail	_	_	_	_	_	_	_	_	_	_	_	34.7	0.00	34.7	3.47	0.00	_	121
Parking Lot	_	_	_	_	_	_	_	_	_	_	_	0.00	0.00	0.00	0.00	0.00	_	0.00

User Defined Recreation	— ınal	_	_	_	_	_	_	_	_	_	_	0.00	0.00	0.00	0.00	0.00	_	0.00
Other Non-Asph Surfaces	— alt	_	_	_	_	_	_	_	_	_	_	0.00	0.00	0.00	0.00	0.00	_	0.00
Total	_	_	_	_	_	_	_	_	_	_	_	34.7	0.00	34.7	3.47	0.00	_	121

4.5.2. Mitigated

Land Use	TOG	ROG	NOx	СО	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Refrigera ted Warehou se-No Rail	_	_	_	_	_	_	_	_	_	_	_	209	0.00	209	20.9	0.00	_	733
Parking Lot	_	_	_	_	_	_	_	_	_	_	_	0.00	0.00	0.00	0.00	0.00	_	0.00
User Defined Recreation	— nal	_	_	_	_	_	_	_	_	_	_	0.00	0.00	0.00	0.00	0.00	_	0.00
Other Non-Asph Surfaces	— alt	_	_	_	_	_	_	_	_	_	_	0.00	0.00	0.00	0.00	0.00	_	0.00
Total	_	_	_	_	_	_	_	_	_	_	_	209	0.00	209	20.9	0.00	_	733
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_

				_						_								
Refrigera ted Warehou se-No	_	_	_	_	_	_	_	_	_	_	_	209	0.00	209	20.9	0.00	_	733
Parking Lot	_	-	_	_	_	_	_	_	_	_	_	0.00	0.00	0.00	0.00	0.00	_	0.00
User Defined Recreation	— nal	_	_	_	_	_	_	_	_	_	_	0.00	0.00	0.00	0.00	0.00	_	0.00
Other Non-Aspha Surfaces	— alt	_	_	_	_	_	_	_	_	_	_	0.00	0.00	0.00	0.00	0.00	_	0.00
Total	_	_	_	_	_	_	_	_	_	_	_	209	0.00	209	20.9	0.00	_	733
Annual	_		_	_	_	_	_	_	_		_	_	_	_	_	_	_	_
Refrigera ted Warehou se-No Rail	_	_	_	_	_	_	_	_	_	_	_	34.7	0.00	34.7	3.47	0.00	_	121
Parking Lot	_	_	_	_	_	_	_	_	_	_	_	0.00	0.00	0.00	0.00	0.00	_	0.00
User Defined Recreation	— nal	_	_	_	_		_		_		_	0.00	0.00	0.00	0.00	0.00	_	0.00
Other Non-Aspha Surfaces	— alt	_	_	_	_	_	_	_	_	_	_	0.00	0.00	0.00	0.00	0.00	_	0.00
Total	_	_	_	_	_	_	_	_	_	_	_	34.7	0.00	34.7	3.47	0.00	_	121

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

Land Use	TOG	ROG	NOx	СО	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Refrigera ted Warehou se-No Rail	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	11,018	11,018
Total	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	11,018	11,018
Daily, Winter (Max)	_	_	-	_	-	_	_	_	_	_	_	_	_	_	_	_	_	_
Refrigera ted Warehou se-No Rail	_	_	_	-	_	_	-	_	_	_	_	_	_	_	_	_	11,018	11,018
Total	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	11,018	11,018
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Refrigera ted Warehou se-No Rail	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	1,824	1,824
Total	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	1,824	1,824

4.6.2. Mitigated

Land Use	TOG	ROG	NOx	СО	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_

Refrigera Warehous Rail	— e-No	_	-	_	-	_	_	_	_	_	_	_	_	_	_	_	5,127	5,127
Total	_	_	_	_	_	_	_	-	_	_	_	_	_	_	_	_	5,127	5,127
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Refrigera ted Warehou se-No Rail	_	_		_	_	_	_	_	_	_	_	_	_	_	_	_	5,127	5,127
Total	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	5,127	5,127
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Refrigera ted Warehou se-No Rail	_	_	-	_	_	_	-	-	_	_	_	_	_	_	_	_	849	849
Total	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	849	849

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

Equipme nt Type	TOG	ROG	NOx	со	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Forklifts	1.02	0.85	8.13	12.4	0.02	0.39	_	0.39	0.36	_	0.36	_	1,830	1,830	0.07	0.01	_	_
undefine d	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	1,836

Total	1.02	0.85	8.13	12.4	0.02	0.39	-	0.39	0.36	_	0.36	_	1,830	1,830	0.07	0.01	_	1,836
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Forklifts	1.02	0.85	8.13	12.4	0.02	0.39	_	0.39	0.36	_	0.36	_	1,830	1,830	0.07	0.01	_	_
undefine d	_	_	_	_	_	_	_	_	_	_	_	-	_	_	_	_	_	1,836
Total	1.02	0.85	8.13	12.4	0.02	0.39	_	0.39	0.36	_	0.36	_	1,830	1,830	0.07	0.01	_	1,836
Annual	_	_	_	_	_	_	_	_	_	_	_	-	_	_	-	_	_	_
Forklifts	0.19	0.16	1.48	2.27	< 0.005	0.07	_	0.07	0.07	_	0.07	_	303	303	0.01	< 0.005	_	_
undefine d	_	_	_	_	-	_	_	_	-	_	_	_	_	_	-	_	_	304
Total	0.19	0.16	1.48	2.27	< 0.005	0.07	_	0.07	0.07	_	0.07	_	303	303	0.01	< 0.005	_	304

4.7.2. Mitigated

Equipme nt Type	TOG	ROG	NOx	со	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Forklifts	1.02	0.85	8.13	12.4	0.02	0.39	_	0.39	0.36	_	0.36	_	1,830	1,830	0.07	0.01	_	_
undefine d	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	1,836
Total	1.02	0.85	8.13	12.4	0.02	0.39	_	0.39	0.36	_	0.36	_	1,830	1,830	0.07	0.01	_	1,836
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Forklifts	1.02	0.85	8.13	12.4	0.02	0.39	_	0.39	0.36	_	0.36	_	1,830	1,830	0.07	0.01	_	_
undefine d	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	1,836

Total	1.02	0.85	8.13	12.4	0.02	0.39	_	0.39	0.36	_	0.36	_	1,830	1,830	0.07	0.01	_	1,836
Annual	_	_	_	_	_	_	_	_		_	_	_	_	_	_	_	_	_
Forklifts	0.19	0.16	1.48	2.27	< 0.005	0.07	_	0.07	0.07	_	0.07	_	303	303	0.01	< 0.005	_	_
undefine d	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	304
Total	0.19	0.16	1.48	2.27	< 0.005	0.07	_	0.07	0.07	_	0.07	_	303	303	0.01	< 0.005	_	304

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

Equipme nt Type	TOG	ROG	NOx	со	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	СО2Т	CH4	N2O	R	CO2e
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Emergen cy Generato r	2.89	2.63	11.1	10.0	0.01	0.77	0.00	0.77	0.77	0.00	0.77	0.00	1,343	1,343	0.05	0.01	0.00	0.00
Fire Pump	2.89	2.63	11.1	10.0	0.01	0.77	0.00	0.77	0.77	0.00	0.77	0.00	1,343	1,343	0.05	0.01	0.00	0.00
undefine d	_	_	_	_	_	_	_	_		_	_	_	_	_	_	_	_	2,695
Total	5.77	5.25	22.3	20.1	0.03	1.54	0.00	1.54	1.54	0.00	1.54	0.00	2,686	2,686	0.11	0.02	0.00	2,695
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Emergen cy Generato r	2.89	2.63	11.1	10.0	0.01	0.77	0.00	0.77	0.77	0.00	0.77	0.00	1,343	1,343	0.05	0.01	0.00	0.00

Fire Pump	2.89	2.63	11.1	10.0	0.01	0.77	0.00	0.77	0.77	0.00	0.77	0.00	1,343	1,343	0.05	0.01	0.00	0.00
undefine d	_	-	-	_	_	_	_	_	_	_	_	_	_	_	_	_	_	2,695
Total	5.77	5.25	22.3	20.1	0.03	1.54	0.00	1.54	1.54	0.00	1.54	0.00	2,686	2,686	0.11	0.02	0.00	2,695
Annual	_	_	_	-	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Emergen cy Generato r		0.03	0.14	0.13	< 0.005	0.01	0.00	0.01	0.01	0.00	0.01	0.00	15.2	15.2	< 0.005	< 0.005	0.00	0.00
Fire Pump	0.04	0.03	0.14	0.13	< 0.005	0.01	0.00	0.01	0.01	0.00	0.01	0.00	15.2	15.2	< 0.005	< 0.005	0.00	0.00
undefine d	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_		30.6
Total	0.07	0.07	0.28	0.25	< 0.005	0.02	0.00	0.02	0.02	0.00	0.02	0.00	30.5	30.5	< 0.005	< 0.005	0.00	30.6

4.8.2. Mitigated

Equipme nt Type	TOG	ROG	NOx	СО	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Emergen cy Generato r	2.89	2.63	11.1	10.0	0.01	0.77	0.00	0.77	0.77	0.00	0.77	0.00	1,343	1,343	0.05	0.01	0.00	0.00
Fire Pump	2.89	2.63	11.1	10.0	0.01	0.77	0.00	0.77	0.77	0.00	0.77	0.00	1,343	1,343	0.05	0.01	0.00	0.00
undefine d	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	2,695
Total	5.77	5.25	22.3	20.1	0.03	1.54	0.00	1.54	1.54	0.00	1.54	0.00	2,686	2,686	0.11	0.02	0.00	2,695

Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Emergen cy Generato r		2.63	11.1	10.0	0.01	0.77	0.00	0.77	0.77	0.00	0.77	0.00	1,343	1,343	0.05	0.01	0.00	0.00
Fire Pump	2.89	2.63	11.1	10.0	0.01	0.77	0.00	0.77	0.77	0.00	0.77	0.00	1,343	1,343	0.05	0.01	0.00	0.00
undefine d	_	_	_	-	_	_	<u> </u>	_	_	_	-	_	_	_	_	_	_	2,695
Total	5.77	5.25	22.3	20.1	0.03	1.54	0.00	1.54	1.54	0.00	1.54	0.00	2,686	2,686	0.11	0.02	0.00	2,695
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Emergen cy Generato r		0.03	0.14	0.13	< 0.005	0.01	0.00	0.01	0.01	0.00	0.01	0.00	15.2	15.2	< 0.005	< 0.005	0.00	0.00
Fire Pump	0.04	0.03	0.14	0.13	< 0.005	0.01	0.00	0.01	0.01	0.00	0.01	0.00	15.2	15.2	< 0.005	< 0.005	0.00	0.00
undefine d	_	_	_	_	_	_	_	_		_	_	_	_	_	_	_	_	30.6
Total	0.07	0.07	0.28	0.25	< 0.005	0.02	0.00	0.02	0.02	0.00	0.02	0.00	30.5	30.5	< 0.005	< 0.005	0.00	30.6

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

Omenia	· Onatan	10 (107 00)	,	<i>y</i> ,, .		idi) dila		o, a.a.y .o.	GG,	., ,	۸۰۰۰۰							
Equipme nt	TOG	ROG	NOx	со	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
(Max)																		

Total	_	_	_	_	_	_	_	_	_	_	_	-	_	_	_	_	_	_
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Total	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Total	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_

4.9.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipme nt Type	TOG	ROG	NOx	со	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Total	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Total	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Total	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Vegetatio	TOG	ROG	NOx	со	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
n																		

Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Total	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Total	_	_	_	_	_	_	_	_	<u> </u>	_	_	_	<u> </u>	_	_	_	_	_
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Total	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	СО	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Total	_	_	<u> </u>	_	_	_	_	_	<u> </u>	_	<u> </u>	_	<u> </u>	_	_	_	_	_
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Total	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Total	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Species TOG ROG NOx CO	SO2 PM10E	PM10D PM10T PM2.5E	PM2.5D PM2.5T BCO2	D2 NBCO2 CO2T C	:H4 N2O R CO2e

Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Avoided	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Subtotal	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Sequest ered	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Subtotal	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Remove d	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Subtotal	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Avoided	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Subtotal	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Sequest ered	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Subtotal	_	_	_	_	_	_	_	_	_	_	<u> </u>	_	_	_	_	_	_	_
Remove d	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Subtotal	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Avoided	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Subtotal	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Sequest ered	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Subtotal	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_

Remove d	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Subtotal	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetatio n	TOG	ROG		со	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Total	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Total	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Total	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

Land Use	TOG	ROG		СО	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Total	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_

Total	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_		_
Total	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

Species	TOG	ROG	NOx	со	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Avoided	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Subtotal	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Sequest ered	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Subtotal	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Remove d	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Subtotal	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Avoided	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Subtotal	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Sequest ered	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Subtotal	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Remove d	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Subtotal	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_

_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Avoided	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Subtotal	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Sequest ered	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Subtotal	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Remove d	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Subtotal	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Grading	Grading	8/1/2025	8/25/2025	5.00	17.0	_
Building Construction	Building Construction	8/26/2025	4/22/2026	5.00	172	_
Paving	Paving	4/23/2026	5/11/2026	5.00	13.0	_
Architectural Coating	Architectural Coating	5/12/2026	5/28/2026	5.00	13.0	_

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Grading	Graders	Diesel	Average	1.00	8.00	148	0.41
Grading	Tractors/Loaders/Backh oes	Diesel	Average	2.00	8.00	84.0	0.37

Grading	Scrapers	Diesel	Average	2.00	8.00	423	0.48
Building Construction	Forklifts	Diesel	Average	3.00	8.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Building Construction	Cranes	Diesel	Average	1.00	7.00	367	0.29
Building Construction	Welders	Diesel	Average	1.00	8.00	46.0	0.45
Building Construction	Tractors/Loaders/Backh oes	Diesel	Average	3.00	7.00	84.0	0.37
Paving	Pavers	Diesel	Average	2.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Average	2.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
Architectural Coating	Air Compressors	Diesel	Average	1.00	6.00	37.0	0.48

5.2.2. Mitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Grading	Graders	Diesel	Tier 4 Final	1.00	8.00	148	0.41
Grading	Tractors/Loaders/Backh oes	Diesel	Tier 4 Final	2.00	8.00	84.0	0.37
Grading	Scrapers	Diesel	Tier 4 Final	2.00	8.00	423	0.48
Building Construction	Forklifts	Diesel	Tier 4 Final	3.00	8.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Building Construction	Cranes	Diesel	Tier 4 Final	1.00	7.00	367	0.29
Building Construction	Welders	Diesel	Average	1.00	8.00	46.0	0.45
Building Construction	Tractors/Loaders/Backh oes	Diesel	Tier 4 Final	3.00	7.00	84.0	0.37
Paving	Pavers	Diesel	Tier 4 Final	2.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Tier 4 Final	2.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
Architectural Coating	Air Compressors	Diesel	Average	1.00	6.00	37.0	0.48

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Grading	_	_	_	_
Grading	Worker	12.5	11.7	LDA,LDT1,LDT2
Grading	Vendor	4.00	8.40	HHDT,MHDT
Grading	Hauling	0.00	20.0	HHDT
Grading	Onsite truck	_	_	HHDT
Building Construction	_	_	_	_
Building Construction	Worker	174	11.7	LDA,LDT1,LDT2
Building Construction	Vendor	67.8	8.40	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	_	_	HHDT
Paving	_	_	_	_
Paving	Worker	15.0	11.7	LDA,LDT1,LDT2
Paving	Vendor	_	8.40	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	_	_	HHDT
Architectural Coating	_	_	_	_
Architectural Coating	Worker	34.7	11.7	LDA,LDT1,LDT2
Architectural Coating	Vendor	_	8.40	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	_	_	HHDT

5.3.2. Mitigated

Phase Name	Тгір Туре	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Thase Name	l lib tybe	One-way mps per bay	Inition her trib	VEHICLE IVIIX

Grading	_	_	_	_
Grading	Worker	12.5	11.7	LDA,LDT1,LDT2
Grading	Vendor	4.00	8.40	HHDT,MHDT
Grading	Hauling	0.00	20.0	HHDT
Grading	Onsite truck	_	_	HHDT
Building Construction	_	_	_	_
Building Construction	Worker	174	11.7	LDA,LDT1,LDT2
Building Construction	Vendor	67.8	8.40	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	_	_	HHDT
Paving	_	_	_	_
Paving	Worker	15.0	11.7	LDA,LDT1,LDT2
Paving	Vendor	_	8.40	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	_	_	HHDT
Architectural Coating	_	_	_	_
Architectural Coating	Worker	34.7	11.7	LDA,LDT1,LDT2
Architectural Coating	Vendor	_	8.40	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	_	_	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	0.00	0.00	620,165	206,722	40,328

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (Cubic Yards)	Material Exported (Cubic Yards)	Acres Graded (acres)	Material Demolished (sq. ft.)	Acres Paved (acres)
Grading	0.00	0.00	42.5	0.00	_
Paving	0.00	0.00	0.00	0.00	15.4

5.6.2. Construction Earthmoving Control Strategies

Non-applicable. No control strategies activated by user.

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Refrigerated Warehouse-No Rail	0.00	0%
Parking Lot	13.7	100%
User Defined Recreational	0.00	0%
Other Non-Asphalt Surfaces	1.69	0%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2025	0.00	204	0.03	< 0.005
2026	0.00	204	0.03	< 0.005

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Refrigerated Warehouse-No Rail	1,069	1,069	1,069	390,245	19,156	19,156	19,156	6,992,015
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
User Defined Recreational	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

5.9.2. Mitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Refrigerated Warehouse-No Rail	1,069	1,069	1,069	390,245	19,156	19,156	19,156	6,992,015
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
User Defined Recreational	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

5.10.1.2. Mitigated

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
0	0.00	620,165	206,722	40,328

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	180

5.10.4. Landscape Equipment - Mitigated

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	180

5.11. Operational Energy Consumption

5.11.1. Unmitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Refrigerated Warehouse-No Rail	10,115,827	204	0.0330	0.0040	2,051,160
Parking Lot	524,299	204	0.0330	0.0040	0.00
User Defined Recreational	0.00	204	0.0330	0.0040	0.00
Other Non-Asphalt Surfaces	0.00	204	0.0330	0.0040	0.00

5.11.2. Mitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Refrigerated Warehouse-No Rail	10,115,827	204	0.0330	0.0040	2,051,160
Parking Lot	524,299	204	0.0330	0.0040	0.00
User Defined Recreational	0.00	204	0.0330	0.0040	0.00
Other Non-Asphalt Surfaces	0.00	204	0.0330	0.0040	0.00

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Refrigerated Warehouse-No Rail	95,608,694	4,846,343
Parking Lot	0.00	0.00
User Defined Recreational	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00

5.12.2. Mitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Refrigerated Warehouse-No Rail	95,608,694	4,846,343
Parking Lot	0.00	0.00
User Defined Recreational	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)

Refrigerated Warehouse-No Rail	389	_
Parking Lot	0.00	_
User Defined Recreational	0.00	_
Other Non-Asphalt Surfaces	0.00	_

5.13.2. Mitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Refrigerated Warehouse-No Rail	389	_
Parking Lot	0.00	_
User Defined Recreational	0.00	_
Other Non-Asphalt Surfaces	0.00	_

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Refrigerated Warehouse-No Rail	Cold storage	R-404A	3,922	7.50	7.50	7.50	25.0

5.14.2. Mitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Refrigerated Warehouse-No Rail	Cold storage	R-407F	1,825	7.50	7.50	7.50	25.0

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Forklifts	Diesel	Average	12.0	8.00	82.0	0.20

5.15.2. Mitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Forklifts	Diesel	Average	12.0	8.00	82.0	0.20

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

Equipment Type	Fuel Type	Number per Day	Hours per Day	Hours per Year	Horsepower	Load Factor
Emergency Generator	Diesel	4.00	4.00	100	50.0	0.73
Fire Pump	Diesel	4.00	4.00	100	50.0	0.73

5.16.2. Process Boilers

Equipment Type	Fuel Type	Number	Boiler Rating (MMBtu/hr)	Daily Heat Input (MMBtu/day)	Annual Heat Input (MMBtu/yr)
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5.17. User Defined

Equipment Type	Fuel Type
_	_

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Natural Gas Saved (btu/year)

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres		
5.18.1.2. Mitigated					
Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres		
5.18.1. Biomass Cover Type					
5.18.1.1. Unmitigated					
Biomass Cover Type	Initial Acres	Final Acres			
5.18.1.2. Mitigated					
Biomass Cover Type	Initial Acres	Final Acres			
5.18.2. Sequestration					
5.18.2.1. Unmitigated					
Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)		

6. Climate Risk Detailed Report

Number

6.1. Climate Risk Summary

5.18.2.2. Mitigated

Tree Type

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Electricity Saved (kWh/year)

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	19.0	annual days of extreme heat
Extreme Precipitation	4.95	annual days with precipitation above 20 mm
Sea Level Rise	0.00	meters of inundation depth
Wildfire	0.00	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider different increments of sea level rise coupled with extreme storm events. Users may select from four model simulations to view the range in potential inundation depth for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 50 meters (m) by 50 m, or about 164 feet (ft) by 164 ft.

Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	N/A	N/A	N/A	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	N/A	N/A	N/A	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.

The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.

The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	N/A	N/A	N/A	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	N/A	N/A	N/A	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.

The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.

The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	
AQ-Ozone	22.2
AQ-PM	27.0
AQ-DPM	37.4
Drinking Water	37.4

Lead Risk Housing	64.3
Pesticides	64.0
Toxic Releases	59.0
Traffic	59.3
Effect Indicators	
CleanUp Sites	0.00
Groundwater	86.3
Haz Waste Facilities/Generators	88.1
Impaired Water Bodies	58.7
Solid Waste	52.9
Sensitive Population	_
Asthma	95.3
Cardio-vascular	67.9
Low Birth Weights	92.7
Socioeconomic Factor Indicators	_
Education	75.7
Housing	62.4
Linguistic	79.0
Poverty	64.0
Unemployment	33.6

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

The maximum realth Flaces index score is 100. A high score (i.e., greater than 30) reflects fleatitiler community conditions compared to other census tracts in the state.		
Indicator	Result for Project Census Tract	
Economic	_	
Above Poverty	27.48620557	
Employed	12.39573977	

Median HI	28.30745541
Education	_
Bachelor's or higher	21.46798409
High school enrollment	6.210701912
Preschool enrollment	14.35904016
Transportation	_
Auto Access	16.74579751
Active commuting	52.20069293
Social	_
2-parent households	27.53753368
Voting	30.6685487
Neighborhood	_
Alcohol availability	49.62145515
Park access	62.53047607
Retail density	36.41729757
Supermarket access	32.42653664
Tree canopy	69.11330681
Housing	_
Homeownership	31.38714231
Housing habitability	40.75452329
Low-inc homeowner severe housing cost burden	63.7495188
Low-inc renter severe housing cost burden	28.85923264
Uncrowded housing	30.12960349
Health Outcomes	
Insured adults	34.83895804
Arthritis	33.8
Asthma ER Admissions	7.2

High Blood Pressure	31.6
Cancer (excluding skin)	63.4
Asthma	18.0
Coronary Heart Disease	51.0
Chronic Obstructive Pulmonary Disease	25.1
Diagnosed Diabetes	36.9
Life Expectancy at Birth	26.7
Cognitively Disabled	33.5
Physically Disabled	45.1
Heart Attack ER Admissions	18.8
Mental Health Not Good	25.4
Chronic Kidney Disease	45.1
Obesity	20.7
Pedestrian Injuries	83.2
Physical Health Not Good	31.5
Stroke	34.3
Health Risk Behaviors	-
Binge Drinking	48.9
Current Smoker	20.2
No Leisure Time for Physical Activity	33.2
Climate Change Exposures	_
Wildfire Risk	0.0
SLR Inundation Area	40.9
Children	37.8
Elderly	74.7
English Speaking	34.0
Foreign-born	62.2

Outdoor Workers	13.3
Climate Change Adaptive Capacity	_
Impervious Surface Cover	39.1
Traffic Density	54.7
Traffic Access	56.6
Other Indices	_
Hardship	70.9
Other Decision Support	_
2016 Voting	32.5

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	84.0
Healthy Places Index Score for Project Location (b)	16.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	No
Project Located in a Low-Income Community (Assembly Bill 1550)	Yes
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

8. User Changes to Default Data

Screen	Justification
Land Use	Project-specific acreage for first phase of vertical construction, including Buildings D, E, F, G, and related landscaping, parking and circulation, stormwater detention areas, and other hardscaped areas.
Construction: Construction Phases	Project-specific construction schedule. Estimated 10 months total; site prep and rough grading already done in Phase 1; no demolition.
Construction: Off-Road Equipment	Removed excavator and dozer from grading, as this is the fine grading phase - site prep and rough grading is planned for the whole development area as Phase 1 prior to this phase.
Operations: Off-Road Equipment	Project will include yard equipment, such as forklifts, on a daily basis.
Operations: Vehicle Data	Trip rate and distances reflect project-specific traffic analysis. Distance input as weighted average to calculate project-specific VMT for all trips.
Operations: Fleet Mix	Project-specific fleet mix adjusted to increase HHD and MHD truck trips to align with project traffic analysis.
Operations: Emergency Generators and Fire Pumps	One backup generator and one fire pump per building; up to 4 hours testing per unit per month, up to 100 hours per year (conservative estimate to align with permitting limits).

Reduced Footprint Hwy 12 Logistics Center - Phase 1 Const (Whole Site preparation + Offsite) Detailed Report

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1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Reduced Footprint Hwy 12 Logistics Center - Phase 1 Const (Whole Site preparation + Offsite)
Construction Start Date	1/1/2024
Lead Agency	_
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	5.70
Precipitation (days)	39.2
Location	38.23577033029517, -122.05386775670114
County	Solano-San Francisco
City	Unincorporated
Air District	Bay Area AQMD
Air Basin	San Francisco Bay Area
TAZ	856
EDFZ	4
Electric Utility	Pacific Gas & Electric Company
Gas Utility	Pacific Gas & Electric
App Version	2022.1.1.17

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Refrigerated Warehouse-No Rail	871	1000sqft	51.8	871,029	0.00	_	_	_

Road Widening	1.97	Mile	2.60	0.00	_	_	_	_
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1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Construction	C-2*	Limit Heavy-Duty Diesel Vehicle Idling
Construction	C-5	Use Advanced Engine Tiers
Construction	C-10-A	Water Exposed Surfaces

^{*} Qualitative or supporting measure. Emission reductions not included in the mitigated emissions results.

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

Un/Mit.	TOG	ROG	NOx	со	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Unmit.	6.90	5.79	54.5	53.1	0.10	2.26	11.4	13.7	2.08	3.97	6.05	_	11,763	11,763	0.47	0.20	3.45	11,837
Mit.	1.75	1.62	10.0	62.5	0.10	0.32	3.40	3.71	0.31	1.14	1.45	_	11,763	11,763	0.47	0.20	3.45	11,837
% Reduced	75%	72%	82%	-18%	_	86%	70%	73%	85%	71%	76%	_	_	_	_	_	_	_
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	
Unmit.	13.7	11.5	109	105	0.19	4.77	33.5	38.2	4.39	14.4	18.8	_	20,966	20,966	0.84	0.30	0.13	21,077
Mit.	2.31	2.24	15.0	113	0.19	0.38	9.34	9.72	0.38	3.89	4.27	_	20,966	20,966	0.84	0.30	0.13	21,077
% Reduced	83%	81%	86%	-8%	_	92%	72%	75%	91%	73%	77%	_	_	_	_	_	_	

Average Daily (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Unmit.	2.89	2.43	22.8	22.1	0.04	0.98	5.88	6.86	0.91	2.34	3.25	_	4,623	4,623	0.19	0.07	0.54	4,649
Mit.	0.57	0.54	3.62	24.8	0.04	0.10	1.68	1.78	0.10	0.65	0.74	_	4,623	4,623	0.19	0.07	0.54	4,649
% Reduced	80%	78%	84%	-12%	_	90%	71%	74%	90%	72%	77%	_	_	_	_	_	_	_
Annual (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	-	_	_	_	_
Unmit.	0.53	0.44	4.15	4.04	0.01	0.18	1.07	1.25	0.17	0.43	0.59	_	765	765	0.03	0.01	0.09	770
Mit.	0.10	0.10	0.66	4.52	0.01	0.02	0.31	0.32	0.02	0.12	0.14	_	765	765	0.03	0.01	0.09	770
% Reduced	80%	78%	84%	-12%	_	90%	71%	74%	90%	72%	77%	-	_	-	-	_	_	_

2.2. Construction Emissions by Year, Unmitigated

				<i>J</i> ,					7.									
Year	TOG	ROG	NOx	СО	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
2024	6.90	5.79	54.5	53.1	0.10	2.26	11.4	13.7	2.08	3.97	6.05	_	11,763	11,763	0.47	0.20	3.45	11,837
Daily - Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
2024	13.7	11.5	109	105	0.19	4.77	33.5	38.2	4.39	14.4	18.8	_	20,966	20,966	0.84	0.30	0.13	21,077
Average Daily	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
2024	2.89	2.43	22.8	22.1	0.04	0.98	5.88	6.86	0.91	2.34	3.25	_	4,623	4,623	0.19	0.07	0.54	4,649
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
2024	0.53	0.44	4.15	4.04	0.01	0.18	1.07	1.25	0.17	0.43	0.59	_	765	765	0.03	0.01	0.09	770

2.3. Construction Emissions by Year, Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	со	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	-	_	_
2024	1.75	1.62	10.0	62.5	0.10	0.32	3.40	3.71	0.31	1.14	1.45	_	11,763	11,763	0.47	0.20	3.45	11,837
Daily - Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
2024	2.31	2.24	15.0	113	0.19	0.38	9.34	9.72	0.38	3.89	4.27	_	20,966	20,966	0.84	0.30	0.13	21,077
Average Daily	-	_	_	-	_	_	_	_	_	_	_	_	-	_	_	_	_	_
2024	0.57	0.54	3.62	24.8	0.04	0.10	1.68	1.78	0.10	0.65	0.74	_	4,623	4,623	0.19	0.07	0.54	4,649
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
2024	0.10	0.10	0.66	4.52	0.01	0.02	0.31	0.32	0.02	0.12	0.14	_	765	765	0.03	0.01	0.09	770

3. Construction Emissions Details

3.1. Site Preparation (2024) - Unmitigated

Location	TOG	ROG		со	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_

Off-Road Equipment		3.65	36.0	32.9	0.05	1.60	_	1.60	1.47	_	1.47	_	5,296	5,296	0.21	0.04	_	5,314
Dust From Material Movement	_	_	_	_	_	_	19.7	19.7	_	10.1	10.1	_	_	_	_	_	_	_
Onsite truck	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	_
Average Daily	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Off-Road Equipment		0.40	3.94	3.61	0.01	0.18	_	0.18	0.16	_	0.16	_	580	580	0.02	< 0.005	_	582
Dust From Material Movement	_	_	_	_	-	_	2.15	2.15	_	1.11	1.11	_	_	_	_	_	_	_
Onsite truck	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	_
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Off-Road Equipment		0.07	0.72	0.66	< 0.005	0.03	_	0.03	0.03	_	0.03	_	96.1	96.1	< 0.005	< 0.005	_	96.4
Dust From Material Movement	_	_	_	_	_	_	0.39	0.39	_	0.20	0.20	_	_	_	_	_	_	_
Onsite truck	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	_
Offsite	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Daily, Winter (Max)	_	_	-	-	_	_	_	_	_	_	_	-	-	_	_	_	_	_
Worker	0.08	0.07	0.07	0.68	0.00	0.00	0.14	0.14	0.00	0.03	0.03	1_	148	148	< 0.005	0.01	0.02	_

Vendor	0.01	< 0.005	0.15	0.06	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	_	109	109	< 0.005	0.02	0.01	_
Hauling	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	_
Average Daily	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Worker	0.01	0.01	0.01	0.07	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	_	16.4	16.4	< 0.005	< 0.005	0.03	_
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	_	11.9	11.9	< 0.005	< 0.005	0.01	_
Hauling	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	_
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	_	2.71	2.71	< 0.005	< 0.005	0.01	_
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	_	1.97	1.97	< 0.005	< 0.005	< 0.005	_
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	İ_	0.00	0.00	0.00	0.00	0.00	_

3.2. Site Preparation (2024) - Mitigated

Location		ROG	NOx	CO CO					PM2.5E			BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
	100	ROO	INOX	00	002	TIVITOL	TWITOD	I WITOT	T IVIZ.OL	T IVIZ.OD	1 1012.01	D002	NDOOZ	0021	OI I -I	1420	IX.	0020
Onsite	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Off-Road Equipmen		0.50	2.59	28.3	0.05	0.10	_	0.10	0.10	_	0.10	_	5,296	5,296	0.21	0.04	_	5,314
Dust From Material Movemen	 :	_	_	_	_	_	5.11	5.11	_	2.63	2.63	_	_	_	_	_	_	_
Onsite truck	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	_

Average Daily	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	-
Off-Road Equipmen		0.05	0.28	3.10	0.01	0.01	_	0.01	0.01	_	0.01	_	580	580	0.02	< 0.005	_	582
Dust From Material Movemen	_	_	_	_	-	_	0.56	0.56	_	0.29	0.29	_	_	_	_	_	_	_
Onsite truck	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	_
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Off-Road Equipmen		0.01	0.05	0.57	< 0.005	< 0.005	_	< 0.005	< 0.005	_	< 0.005	_	96.1	96.1	< 0.005	< 0.005	_	96.4
Dust From Material Movemen		_	_	_	-	_	0.10	0.10	-	0.05	0.05	_	_	_	_	_	_	_
Onsite truck	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	_
Offsite	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	-
Daily, Winter (Max)	_	_	_	_	_	_	-	_	_	_	_	_	_	_	_	_	_	-
Worker	0.08	0.07	0.07	0.68	0.00	0.00	0.14	0.14	0.00	0.03	0.03	_	148	148	< 0.005	0.01	0.02	_
Vendor	0.01	< 0.005	0.15	0.06	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	_	109	109	< 0.005	0.02	0.01	_
Hauling	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	_
Average Daily	_	_	_	_	_	_	_	_	_	_	_	_	_	-	_	_	_	-
Worker	0.01	0.01	0.01	0.07	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	_	16.4	16.4	< 0.005	< 0.005	0.03	_
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	_	11.9	11.9	< 0.005	< 0.005	0.01	_

Hauling	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	_
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	_	2.71	2.71	< 0.005	< 0.005	0.01	_
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	_	1.97	1.97	< 0.005	< 0.005	< 0.005	_
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	_	0.00	0.00	0.00	0.00	0.00	_

3.3. Grading (2024) - Unmitigated

				i i		adi) dila												
Location	TOG	ROG	NOx	СО	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Off-Road Equipmen		3.52	34.3	30.2	0.06	1.45	_	1.45	1.33	_	1.33	_	6,598	6,598	0.27	0.05	_	6,621
Dust From Material Movemen	<u> </u>	_	_	_	_	_	9.21	9.21	_	3.66	3.66	_	_	_	_	_	_	_
Onsite truck	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	_
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Off-Road Equipmen		3.52	34.3	30.2	0.06	1.45	_	1.45	1.33	_	1.33	_	6,598	6,598	0.27	0.05	_	6,621
Dust From Material Movemen	<u> </u>	_	_	_	_	_	9.21	9.21	_	3.66	3.66	_	_	_	_	_	_	_
Onsite truck	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	-

Average Daily	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Off-Road Equipmen		1.06	10.3	9.09	0.02	0.44	_	0.44	0.40	_	0.40	_	1,988	1,988	0.08	0.02	_	1,995
Dust From Material Movemen	<u> </u>	_	_	_	_	_	2.78	2.78	_	1.10	1.10	_	_	_	_	_	_	_
Onsite truck	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	_
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Off-Road Equipmen		0.19	1.89	1.66	< 0.005	0.08	_	0.08	0.07	_	0.07	_	329	329	0.01	< 0.005	_	330
Dust From Material Movemen	<u> </u>	-	_		-	_	0.51	0.51	-	0.20	0.20	_	-	_	-	_	_	_
Onsite truck	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	_
Offsite	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Worker	0.09	0.08	0.06	0.88	0.00	0.00	0.17	0.17	0.00	0.04	0.04	_	183	183	< 0.005	0.01	0.80	_
Vendor	0.01	< 0.005	0.15	0.06	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	-	109	109	< 0.005	0.02	0.29	_
Hauling	0.03	0.01	0.61	0.21	< 0.005	0.01	0.13	0.14	0.01	0.03	0.04	_	487	487	0.02	0.08	1.07	_
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Worker	0.09	0.08	0.08	0.78	0.00	0.00	0.17	0.17	0.00	0.04	0.04	_	169	169	0.01	0.01	0.02	_
Vendor	0.01	< 0.005	0.15	0.06	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	_	109	109	< 0.005	0.02	0.01	_
Hauling	0.03	0.01	0.65	0.22	< 0.005	0.01	0.13	0.14	0.01	0.03	0.04	_	488	488	0.02	0.08	0.03	_

Average Daily	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Worker	0.03	0.02	0.02	0.23	0.00	0.00	0.05	0.05	0.00	0.01	0.01	_	51.5	51.5	< 0.005	< 0.005	0.10	_
Vendor	< 0.005	< 0.005	0.05	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	_	32.7	32.7	< 0.005	< 0.005	0.04	_
Hauling	0.01	< 0.005	0.19	0.06	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	_	147	147	0.01	0.02	0.14	_
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	_	8.52	8.52	< 0.005	< 0.005	0.02	_
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	_	5.42	5.42	< 0.005	< 0.005	0.01	_
Hauling	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	_	24.3	24.3	< 0.005	< 0.005	0.02	_

3.4. Grading (2024) - Mitigated

Location	TOG	ROG	NOx	со	SO2		PM10D	PM10T			PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Off-Road Equipmen		0.64	4.43	35.3	0.06	0.12	_	0.12	0.12	_	0.12	_	6,598	6,598	0.27	0.05	_	6,621
Dust From Material Movemen	<u> </u>	_	_	_	_	_	2.40	2.40	_	0.95	0.95	_	_	_	_	_	_	_
Onsite truck	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	_
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Off-Road Equipmen		0.64	4.43	35.3	0.06	0.12	_	0.12	0.12	_	0.12	_	6,598	6,598	0.27	0.05	_	6,621

Dust From Material Movemen	 :	_	_	_		_	2.40	2.40	_	0.95	0.95	_	_		_	_	_	_
Onsite truck	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	_
Average Daily	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Off-Road Equipmen		0.19	1.33	10.7	0.02	0.04	_	0.04	0.04	_	0.04	_	1,988	1,988	0.08	0.02	_	1,995
Dust From Material Movemen	<u> </u>	_	_	_	_	_	0.72	0.72	_	0.29	0.29	_	_	_	_	_	_	_
Onsite truck	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	_
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Off-Road Equipmen		0.04	0.24	1.94	< 0.005	0.01	-	0.01	0.01	_	0.01	-	329	329	0.01	< 0.005	-	330
Dust From Material Movemen	_	_	_	_	-	_	0.13	0.13	_	0.05	0.05	_	-	_	_	_	_	_
Onsite truck	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	_
Offsite	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Worker	0.09	0.08	0.06	0.88	0.00	0.00	0.17	0.17	0.00	0.04	0.04	_	183	183	< 0.005	0.01	0.80	_
Vendor	0.01	< 0.005	0.15	0.06	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	_	109	109	< 0.005	0.02	0.29	_
Hauling	0.03	0.01	0.61	0.21	< 0.005	0.01	0.13	0.14	0.01	0.03	0.04	_	487	487	0.02	0.08	1.07	_
Daily, Winter (Max)	_	_	_	-	_	_	_	_	_	_	_	_	_	_	-	_	_	_

Vendor 0.01 < 0.005 0.15 0.06 < 0.005 0.03 0.03 0.01 0.01 — 109 109 < 0.005 0.02 0.01 Hauling 0.03 0.01 0.65 0.22 < 0.005 0.01 0.13 0.14 0.01 0.03 0.04 — 488 488 0.02 0.08 0.03 Average Daily —<																			
Hauling 0.03 0.01 0.65 0.22 < 0.005 0.01 0.13 0.14 0.01 0.03 0.04 — 488 488 0.02 0.08 0.03 Average Daily Worker 0.03 0.02 0.02 0.23 0.00 0.00 0.05 0.05 0.05 0.00 0.01 0.01	/orker	0.08	0.08	0.08	0.78	0.00	0.00	0.17	0.17	0.00	0.04	0.04	_	169	169	0.01	0.01	0.02	_
Average Daily Norker 0.03 0.02 0.02 0.23 0.00 0.00 0.05 0.05 0.00 0.01 0.01 — 51.5 51.5 < 0.005 < 0.005 0.04 Vendor < 0.005 < 0.005 0.19 0.06 < 0.005 < 0.005 0.04 Annual — — — — — — — — — — — — — — — — — — —	endor	< 0.005	< 0.005	0.15	0.06	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	_	109	109	< 0.005	0.02	0.01	_
Daily	auling	0.01	0.01	0.65	0.22	< 0.005	0.01	0.13	0.14	0.01	0.03	0.04	_	488	488	0.02	0.08	0.03	_
Vendor < 0.005	-	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Hauling 0.01 < 0.005 0.19 0.06 < 0.005 < 0.005 0.04 0.04 < 0.005 0.01 0.01 — 147 147 0.01 0.02 0.14 Annual — — — — — — — — — — — — — — — — — — —	/orker	0.02	0.02	0.02	0.23	0.00	0.00	0.05	0.05	0.00	0.01	0.01	_	51.5	51.5	< 0.005	< 0.005	0.10	_
Annual — — — — — — — — — — — — — — — — — — —	endor	005 < 0.005	< 0.005	0.05	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	_	32.7	32.7	< 0.005	< 0.005	0.04	_
Worker < 0.005	auling	< 0.005	< 0.005	0.19	0.06	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	_	147	147	0.01	0.02	0.14	_
Vendor < 0.005 < 0.005 0.01 < 0.005 < 0.005 < 0.005 < 0.005 < 0.005 < 0.005 < 0.005 < 0.005 < 0.005 - 5.42 < 5.42 < 0.005 < 0.005 0.01	nnual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
	/orker	0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	_	8.52	8.52	< 0.005	< 0.005	0.02	_
Hauling < 0.005 < 0.005 0.03 0.01 < 0.005 < 0.005 0.01 0.01 < 0.005 < 0.005 < 0.005 - 24.3 24.3 < 0.005 < 0.005 0.02	endor	0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	_	5.42	5.42	< 0.005	< 0.005	0.01	_
	auling	005 < 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	_	24.3	24.3	< 0.005	< 0.005	0.02	_

3.5. Linear, Grubbing & Land Clearing (2024) - Unmitigated

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Location	TOG	ROG	NOx	со	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Off-Road Equipmen		0.53	4.53	4.54	0.01	0.27	_	0.27	0.25	_	0.25	_	632	632	0.03	0.01	_	634
Dust From Material Movemen	<u> </u>	_	_	_	_	_	0.53	0.53	_	0.06	0.06	_	_	_	_	_	_	_
Onsite truck	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	_

Average Daily	_	_	_	_		_	_	_	_	_	_	_	_	_	_	_	_	_
Off-Road Equipmen		0.02	0.16	0.16	< 0.005	0.01	_	0.01	0.01	_	0.01	_	22.5	22.5	< 0.005	< 0.005	_	22.6
Dust From Material Movemen	_	_	_	_	_	-	0.02	0.02	_	< 0.005	< 0.005	_	-	_	_	_	_	_
Onsite truck	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	_
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Off-Road Equipmen	< 0.005 t	< 0.005	0.03	0.03	< 0.005	< 0.005	-	< 0.005	< 0.005	-	< 0.005	-	3.73	3.73	< 0.005	< 0.005	_	3.74
Dust From Material Movemen	_	_	_	_	_	_	< 0.005	< 0.005	_	< 0.005	< 0.005	_	_	_	_	_	_	_
Onsite truck	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	-
Offsite	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	-	_	_	_	_	_	_
Worker	0.06	0.06	0.06	0.59	0.00	0.00	0.12	0.12	0.00	0.03	0.03	_	127	127	< 0.005	0.01	0.02	_
Vendor	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	_
Hauling	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	_
Average Daily	_	-	_	-	_	-	-	-	-	_	_	-	_	-	_	-	_	-
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	_	4.56	4.56	< 0.005	< 0.005	0.01	_
Vendor	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	_

Hauling	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	_
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	_	0.76	0.76	< 0.005	< 0.005	< 0.005	_
Vendor	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	_
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	_	0.00	0.00	0.00	0.00	0.00	_

3.6. Linear, Grubbing & Land Clearing (2024) - Mitigated

		(, ioi dan	J, J -		,	C 11 C 0 (.	,	J,	, ,	· · · · · · · · · · · · · · · · · · ·							
Location	TOG	ROG	NOx	со	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	СО2Т	CH4	N2O	R	CO2e
Onsite	_	_	_	_	_	_	_	_		_	_	_	_	_	_	_	_	_
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Off-Road Equipmen		0.08	1.50	4.42	0.01	0.01	_	0.01	0.01	_	0.01	_	632	632	0.03	0.01	_	634
Dust From Material Movemen	_	_	_	_	_	_	0.14	0.14	_	0.01	0.01	_	_	_	_	_	_	_
Onsite truck	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	_
Average Daily	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Off-Road Equipmen		< 0.005	0.05	0.16	< 0.005	< 0.005	_	< 0.005	< 0.005	_	< 0.005	_	22.5	22.5	< 0.005	< 0.005	_	22.6
Dust From Material Movemen	_	_	_	_	_	_	< 0.005	< 0.005	_	< 0.005	< 0.005	_	_	_	_	_	_	_

Onsite truck	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	_
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Off-Road Equipmen		< 0.005	0.01	0.03	< 0.005	< 0.005	_	< 0.005	< 0.005	_	< 0.005	_	3.73	3.73	< 0.005	< 0.005	_	3.74
Dust From Material Movemen	<u> </u>	_	_	_	_	_	< 0.005	< 0.005	_	< 0.005	< 0.005	_	_	_	_	_	_	_
Onsite truck	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	_
Offsite	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	-	_	-	-	-	_	_	_
Worker	0.06	0.06	0.06	0.59	0.00	0.00	0.12	0.12	0.00	0.03	0.03	_	127	127	< 0.005	0.01	0.02	_
Vendor	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	_
Hauling	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	_
Average Daily	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	_	4.56	4.56	< 0.005	< 0.005	0.01	_
Vendor	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	_
Hauling	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	_
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	-
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	_	0.76	0.76	< 0.005	< 0.005	< 0.005	-
Vendor	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	_
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	_	0.00	0.00	0.00	0.00	0.00	_

3.7. Linear, Grading & Excavation (2024) - Unmitigated

Location	TOG	ROG	NOx	СО	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Off-Road Equipmen		4.05	37.0	37.9	0.07	1.71	_	1.71	1.58	_	1.58	_	7,644	7,644	0.31	0.06	_	7,670
Dust From Material Movemen	_	_	_	_	_	_	3.71	3.71	_	0.40	0.40	_	_	_	_	_	_	_
Onsite truck	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	_
Average Daily	_	-	_	_	_	_	_	_	_	_	_	_	_	-	_	_	_	_
Off-Road Equipmen		0.57	5.18	5.30	0.01	0.24	_	0.24	0.22	_	0.22	_	1,068	1,068	0.04	0.01	_	1,072
Dust From Material Movemen	<u> </u>	_	_	-	_	_	0.52	0.52	_	0.06	0.06	_	_	_	_	_	_	_
Onsite truck	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	_
Annual	_	_	_	<u> </u>	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Off-Road Equipmen		0.10	0.94	0.97	< 0.005	0.04	_	0.04	0.04	-	0.04	_	177	177	0.01	< 0.005	_	177

Dust From Material Movemen		_	_	_	_	_	0.09	0.09	_	0.01	0.01	_	_		_	_	_	
Onsite truck	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	_
Offsite	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Daily, Winter (Max)	_	_	_	_	_	_	-	_	_	_	-	_	-	_	_	_	_	_
Worker	0.19	0.18	0.17	1.76	0.00	0.00	0.37	0.37	0.00	0.09	0.09	_	380	380	0.01	0.02	0.05	_
Vendor	< 0.005	< 0.005	0.04	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	_	27.2	27.2	< 0.005	< 0.005	< 0.005	_
Hauling	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	_
Average Daily	_	_	_	_	_	_	_	_	_	_	_	_	_	_		_	_	_
Worker	0.03	0.02	0.02	0.24	0.00	0.00	0.05	0.05	0.00	0.01	0.01	_	53.7	53.7	< 0.005	< 0.005	0.11	_
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	_	3.79	3.79	< 0.005	< 0.005	< 0.005	_
Hauling	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	_
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	_	8.89	8.89	< 0.005	< 0.005	0.02	_
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	_	0.63	0.63	< 0.005	< 0.005	< 0.005	_
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	_	0.00	0.00	0.00	0.00	0.00	_

3.8. Linear, Grading & Excavation (2024) - Mitigated

Location	TOG	ROG	NOx	со	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_

Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Off-Road Equipmen		0.76	6.73	45.6	0.07	0.14	_	0.14	0.14	_	0.14	_	7,644	7,644	0.31	0.06	_	7,670
Dust From Material Movemen	_	-	-	_	_	_	0.97	0.97	_	0.10	0.10	_	-	_	_	_	_	_
Onsite truck	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	_
Average Daily	_	_	_	_	_	_	_	-	-	-	_	_	_	-	-	_	-	_
Off-Road Equipmen		0.11	0.94	6.37	0.01	0.02	_	0.02	0.02	_	0.02	_	1,068	1,068	0.04	0.01	_	1,072
Dust From Material Movemen	_	_	_	_	_	_	0.13	0.13	_	0.01	0.01	_	_	_	_	_	_	_
Onsite truck	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	_
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Off-Road Equipmen		0.02	0.17	1.16	< 0.005	< 0.005	_	< 0.005	< 0.005	_	< 0.005	_	177	177	0.01	< 0.005	-	177
Dust From Material Movemen		_	_	_	_	_	0.02	0.02	_	< 0.005	< 0.005	_	_	_	_	_	_	_
Onsite truck	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	_
Offsite	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_

Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Daily, Winter (Max)	_	-	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	-
Worker	0.19	0.18	0.17	1.76	0.00	0.00	0.37	0.37	0.00	0.09	0.09	_	380	380	0.01	0.02	0.05	_
Vendor	< 0.005	< 0.005	0.04	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	_	27.2	27.2	< 0.005	< 0.005	< 0.005	_
Hauling	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	_
Average Daily	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Worker	0.03	0.02	0.02	0.24	0.00	0.00	0.05	0.05	0.00	0.01	0.01	_	53.7	53.7	< 0.005	< 0.005	0.11	_
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	_	3.79	3.79	< 0.005	< 0.005	< 0.005	_
Hauling	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	_
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	_	8.89	8.89	< 0.005	< 0.005	0.02	_
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	_	0.63	0.63	< 0.005	< 0.005	< 0.005	_
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	_	0.00	0.00	0.00	0.00	0.00	_

3.9. Linear, Drainage, Utilities, & Sub-Grade (2024) - Unmitigated

Location	TOG	ROG		СО	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Off-Road Equipmen		2.04	19.3	20.4	0.04	0.81	_	0.81	0.74	_	0.74	_	4,089	4,089	0.17	0.03	_	4,103

Dust From Material Movemen	<u> </u>	_	_	_	_	_	1.59	1.59	_	0.17	0.17	_	_	_	_	_	_	_
Onsite truck	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	_
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Average Daily	_	_	-	_	_	_	_	_	_	_	_	_	_	-	_	_	_	_
Off-Road Equipmen		0.25	2.38	2.51	< 0.005	0.10	_	0.10	0.09	_	0.09	_	504	504	0.02	< 0.005	_	506
Dust From Material Movemen	<u> </u>	_	_	_	_	_	0.20	0.20	_	0.02	0.02	_	_	_	_	_	_	_
Onsite truck	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	_
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Off-Road Equipmen		0.05	0.43	0.46	< 0.005	0.02	_	0.02	0.02	_	0.02	_	83.5	83.5	< 0.005	< 0.005	_	83.7
Dust From Material Movemen		_	_	_	_	_	0.04	0.04	_	< 0.005	< 0.005	_	_	-	-	_	_	_
Onsite truck	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	_
Offsite	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Daily, Summer (Max)	_	-	_	-	<u> </u>	_	_	-	_	_	_	_	_	-	_	_	_	_
Worker	0.15	0.13	0.09	1.42	0.00	0.00	0.27	0.27	0.00	0.06	0.06	_	297	297	0.01	0.01	1.29	_
Vendor	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	_
Hauling	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	_

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Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Average Daily	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Worker	0.02	0.02	0.01	0.15	0.00	0.00	0.03	0.03	0.00	0.01	0.01	_	34.2	34.2	< 0.005	< 0.005	0.07	_
Vendor	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	_
Hauling	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	_
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	_	5.67	5.67	< 0.005	< 0.005	0.01	_
Vendor	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	_
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	_	0.00	0.00	0.00	0.00	0.00	_

3.10. Linear, Drainage, Utilities, & Sub-Grade (2024) - Mitigated

Location		ROG	NOx	CO	SO2			PM10T	PM2.5E			BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Off-Road Equipmen		0.75	4.70	24.6	0.04	0.18	_	0.18	0.17	_	0.17	_	4,089	4,089	0.17	0.03	_	4,103
Dust From Material Movemen				_	_	_	0.41	0.41	_	0.04	0.04	_	_	_	_	_	_	_
Onsite truck	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	_
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	

Average Daily	_	_	_		_									_				
Off-Road Equipmen		0.09	0.58	3.03	< 0.005	0.02	_	0.02	0.02	_	0.02	_	504	504	0.02	< 0.005	_	506
Dust From Material Movemen	_	_	_	_	_	_	0.05	0.05	_	0.01	0.01	_	_	_	_	_	_	_
Onsite truck	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	_
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Off-Road Equipmen		0.02	0.11	0.55	< 0.005	< 0.005	_	< 0.005	< 0.005	_	< 0.005	-	83.5	83.5	< 0.005	< 0.005	_	83.7
Dust From Material Movemen	<u> </u>	_	_	_	_	_	0.01	0.01	_	< 0.005	< 0.005	_	_	_	_	_	_	_
Onsite truck	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	_
Offsite	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	-	_	_	_	-	-	_	_	-
Worker	0.15	0.13	0.09	1.42	0.00	0.00	0.27	0.27	0.00	0.06	0.06	_	297	297	0.01	0.01	1.29	_
Vendor	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	_
Hauling	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	_
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	-
Average Daily	_	_	_	_	_	_	_	_	_	_		_	_	_	_	_	_	_
Worker	0.02	0.02	0.01	0.15	0.00	0.00	0.03	0.03	0.00	0.01	0.01	_	34.2	34.2	< 0.005	< 0.005	0.07	_
Vendor	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	_

Hauling	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	_
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	_	5.67	5.67	< 0.005	< 0.005	0.01	_
Vendor	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	_
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	_	0.00	0.00	0.00	0.00	0.00	_

3.11. Linear, Paving (2024) - Unmitigated

		110 (1.07 0.0	,	J, J-			O O O (.		, ,	, ,	a							
Location	TOG	ROG	NOx	со	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Off-Road Equipmen		0.93	8.43	11.8	0.02	0.40	_	0.40	0.37	_	0.37	_	1,769	1,769	0.07	0.01	_	1,775
Onsite truck	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	_
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Average Daily	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Off-Road Equipmen		0.05	0.44	0.61	< 0.005	0.02	_	0.02	0.02	_	0.02	_	92.1	92.1	< 0.005	< 0.005	_	92.4
Onsite truck	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	_
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Off-Road Equipmen		0.01	0.08	0.11	< 0.005	< 0.005	_	< 0.005	< 0.005	_	< 0.005	_	15.2	15.2	< 0.005	< 0.005	_	15.3
Onsite truck	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	_

Offsite	_	_	-	_	_	_	<u> </u>	_	_	_	-	_	_	_	-	_	_	_
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Worker	0.11	0.10	0.07	1.10	0.00	0.00	0.21	0.21	0.00	0.05	0.05	_	228	228	< 0.005	0.01	1.00	_
Vendor	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	_
Hauling	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	_
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Average Daily	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Worker	0.01	0.01	< 0.005	0.05	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	_	11.1	11.1	< 0.005	< 0.005	0.02	_
Vendor	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	_
Hauling	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	_
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	_	1.84	1.84	< 0.005	< 0.005	< 0.005	_
Vendor	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	_
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	_	0.00	0.00	0.00	0.00	0.00	_

3.12. Linear, Paving (2024) - Mitigated

Location	TOG	ROG	NOx	со	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	_	_	<u> </u>	_	_		<u> </u>	_	_		<u> </u>	<u> </u>	_	_	<u> </u>	_	_	_
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	
Off-Road Equipmen		0.18	2.06	12.4	0.02	0.03	_	0.03	0.03	_	0.03	_	1,769	1,769	0.07	0.01	_	1,775

Onsite truck	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	_
Daily, Winter (Max)	_	_	_	_	_	_	_	-	_	_	_	_	_	_	_	_	_	_
Average Daily	_	_	-	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Off-Road Equipmen		0.01	0.11	0.64	< 0.005	< 0.005	_	< 0.005	< 0.005	_	< 0.005	_	92.1	92.1	< 0.005	< 0.005	_	92.4
Onsite truck	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	_
Annual	_	_	_	_	_	_	<u> </u>	_	_	_	_	_	_	_	_	_	_	_
Off-Road Equipmen		< 0.005	0.02	0.12	< 0.005	< 0.005	_	< 0.005	< 0.005	_	< 0.005	_	15.2	15.2	< 0.005	< 0.005	_	15.3
Onsite truck	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	-
Offsite	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Daily, Summer (Max)	_	_	_	_	_	_	_	-	_	_	_	_	_	_	-	_	_	_
Worker	0.11	0.10	0.07	1.10	0.00	0.00	0.21	0.21	0.00	0.05	0.05	_	228	228	< 0.005	0.01	1.00	_
Vendor	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	_
Hauling	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	_
Daily, Winter (Max)	_	_	_	_	_	_	_	-	_	_	_	_	_	_	-	_	_	_
Average Daily	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Worker	0.01	0.01	< 0.005	0.05	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	_	11.1	11.1	< 0.005	< 0.005	0.02	_
Vendor	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	_
Hauling	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	_
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_

Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	_	1.84	1.84	< 0.005	< 0.005	< 0.005	_
Vendor	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	_
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	_	0.00	0.00	0.00	0.00	0.00	_

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetatio n	TOG			со	SO2	PM10E			PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Total	_	_	_	_	_	_	_	_	_	_	_	_	_	<u> </u>	_	_	_	_
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Total	_	_	_	_	_	_	_	_	_	_	_	_		_	_	_	_	_
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Total	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

_	ritoria	· Ollatali	بعد رای مدر	, ioi aan	y, (Oi', y i	ioi aiiii	iai, aiia	01100 (1	or ady ioi	aany, n	, y	armaan							
	₋and Jse	TOG	ROG	NOx	со	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
	Daily,	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
5	Summer																		
(Max)																		

Total	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Total	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Total	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Species	TOG	ROG	NOx	со	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Avoided	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Subtotal	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Sequest ered	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Subtotal	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Remove d	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Subtotal	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Avoided	_	_	_	_	_	_	_	_			_	_	_	_		_	_	_
Subtotal	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Sequest ered	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Subtotal	_	_	_	_	_	_	_		_	_	_	_		_	_	_		

Remove	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Subtotal	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Avoided	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Subtotal	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Sequest ered	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Subtotal	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Remove d	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Subtotal	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

Vegetatio n	TOG	ROG	NOx	со	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	СО2Т	CH4	N2O	R	CO2e
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Total	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Total	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Total	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

		(<i>J</i> ,		adij dira												
Land Use	TOG	ROG	NOx	СО	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Total	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Total	_	_	_	_	_	_	_	_	<u> </u>	_	<u> </u>	_	_	_	_	_	<u> </u>	_
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Total	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

Species	TOG	ROG	NOx	со	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Avoided	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Subtotal	_	_	_	_	_	_	_	_	_		<u> </u>	_		_	_	_	_	_
Sequest ered	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Subtotal	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Remove d	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Subtotal	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_

Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Avoided	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Subtotal	_	_	_	_		_	<u> </u>	_	_	_	_	_	_	_	_	_	_	_
Sequest ered	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Subtotal	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Remove d	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Subtotal	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Avoided	_	_	_	_		_	<u> </u>	_	_	_	_	_	_	_	_	_	_	_
Subtotal	_	_	_	_		_	<u> </u>	_	_	_	_	_	_	_	_	_	_	_
Sequest ered	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Subtotal	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Remove d	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Subtotal	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Site Preparation	Site Preparation	1/1/2024	2/23/2024	5.00	40.0	_
Grading	Grading	1/29/2024	6/28/2024	5.00	110	_

Linear, Grubbing & Land Clearing	Linear, Grubbing & Land Clearing	1/1/2024	1/19/2024	5.00	13.0	_
Linear, Grading & Excavation	Linear, Grading & Excavation	1/20/2024	3/31/2024	5.00	51.0	_
Linear, Drainage, Utilities, & Sub-Grade	Linear, Drainage, Utilities, & Sub-Grade	4/1/2024	6/3/2024	5.00	45.0	_
Linear, Paving	Linear, Paving	6/4/2024	6/30/2024	5.00	19.0	_

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Site Preparation	Rubber Tired Dozers	Diesel	Average	3.00	8.00	367	0.40
Site Preparation	Tractors/Loaders/Backh oes	Diesel	Average	4.00	8.00	84.0	0.37
Grading	Excavators	Diesel	Average	2.00	8.00	36.0	0.38
Grading	Graders	Diesel	Average	1.00	8.00	148	0.41
Grading	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Grading	Scrapers	Diesel	Average	2.00	8.00	423	0.48
Grading	Tractors/Loaders/Backh oes	Diesel	Average	2.00	8.00	84.0	0.37
Linear, Grubbing & Land Clearing	Crawler Tractors	Diesel	Average	1.00	8.00	87.0	0.43
Linear, Grubbing & Land Clearing	Excavators	Diesel	Average	2.00	8.00	36.0	0.38
Linear, Grubbing & Land Clearing	Signal Boards	Electric	Average	3.00	8.00	6.00	0.82
Linear, Grading & Excavation	Crawler Tractors	Diesel	Average	1.00	8.00	87.0	0.43
Linear, Grading & Excavation	Excavators	Diesel	Average	3.00	8.00	36.0	0.38

Linear, Grading & Excavation	Graders	Diesel	Average	2.00	8.00	148	0.41
Linear, Grading & Excavation	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
Linear, Grading & Excavation	Rubber Tired Loaders	Diesel	Average	1.00	8.00	150	0.36
Linear, Grading & Excavation	Scrapers	Diesel	Average	2.00	8.00	423	0.48
Linear, Grading & Excavation	Signal Boards	Electric	Average	3.00	8.00	6.00	0.82
Linear, Grading & Excavation	Tractors/Loaders/Backh oes	Diesel	Average	4.00	8.00	84.0	0.37
Linear, Drainage, Utilities, & Sub-Grade	Air Compressors	Diesel	Average	1.00	8.00	37.0	0.48
Linear, Drainage, Utilities, & Sub-Grade	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Linear, Drainage, Utilities, & Sub-Grade	Graders	Diesel	Average	1.00	8.00	148	0.41
Linear, Drainage, Utilities, & Sub-Grade	Plate Compactors	Diesel	Average	1.00	8.00	8.00	0.43
Linear, Drainage, Utilities, & Sub-Grade	Pumps	Diesel	Average	1.00	8.00	11.0	0.74
Linear, Drainage, Utilities, & Sub-Grade	Rough Terrain Forklifts	Diesel	Average	1.00	8.00	96.0	0.40
Linear, Drainage, Utilities, & Sub-Grade	Scrapers	Diesel	Average	1.00	8.00	423	0.48
Linear, Drainage, Utilities, & Sub-Grade	Signal Boards	Electric	Average	3.00	8.00	6.00	0.82
Linear, Drainage, Utilities, & Sub-Grade	Tractors/Loaders/Backh oes	Diesel	Average	3.00	8.00	84.0	0.37
Linear, Paving	Pavers	Diesel	Average	1.00	8.00	81.0	0.42
Linear, Paving	Paving Equipment	Diesel	Average	1.00	8.00	89.0	0.36
Linear, Paving	Rollers	Diesel	Average	2.00	8.00	36.0	0.38

Linear, Paving	Signal Boards	Electric	Average	3.00	8.00	6.00	0.82
Linear, Paving	Tractors/Loaders/Backh oes	Diesel	Average	3.00	8.00	84.0	0.37

5.2.2. Mitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Site Preparation	Rubber Tired Dozers	Diesel	Tier 4 Final	3.00	8.00	367	0.40
Site Preparation	Tractors/Loaders/Backh oes	Diesel	Tier 4 Final	4.00	8.00	84.0	0.37
Grading	Excavators	Diesel	Tier 4 Final	2.00	8.00	36.0	0.38
Grading	Graders	Diesel	Tier 4 Final	1.00	8.00	148	0.41
Grading	Rubber Tired Dozers	Diesel	Tier 4 Final	1.00	8.00	367	0.40
Grading	Scrapers	Diesel	Tier 4 Final	2.00	8.00	423	0.48
Grading	Tractors/Loaders/Backh oes	Diesel	Tier 4 Final	2.00	8.00	84.0	0.37
Linear, Grubbing & Land Clearing	Crawler Tractors	Diesel	Tier 4 Final	1.00	8.00	87.0	0.43
Linear, Grubbing & Land Clearing	Excavators	Diesel	Tier 4 Final	2.00	8.00	36.0	0.38
Linear, Grubbing & Land Clearing	Signal Boards	Electric	Average	3.00	8.00	6.00	0.82
Linear, Grading & Excavation	Crawler Tractors	Diesel	Tier 4 Final	1.00	8.00	87.0	0.43
Linear, Grading & Excavation	Excavators	Diesel	Tier 4 Final	3.00	8.00	36.0	0.38
Linear, Grading & Excavation	Graders	Diesel	Tier 4 Final	2.00	8.00	148	0.41
Linear, Grading & Excavation	Rollers	Diesel	Tier 4 Final	2.00	8.00	36.0	0.38
Linear, Grading & Excavation	Rubber Tired Loaders	Diesel	Tier 4 Final	1.00	8.00	150	0.36

Linear, Grading & Excavation	Scrapers	Diesel	Tier 4 Final	2.00	8.00	423	0.48
Linear, Grading & Excavation	Signal Boards	Electric	Average	3.00	8.00	6.00	0.82
Linear, Grading & Excavation	Tractors/Loaders/Backh oes	Diesel	Tier 4 Final	4.00	8.00	84.0	0.37
Linear, Drainage, Utilities, & Sub-Grade	Air Compressors	Diesel	Average	1.00	8.00	37.0	0.48
Linear, Drainage, Utilities, & Sub-Grade	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Linear, Drainage, Utilities, & Sub-Grade	Graders	Diesel	Tier 4 Final	1.00	8.00	148	0.41
Linear, Drainage, Utilities, & Sub-Grade	Plate Compactors	Diesel	Average	1.00	8.00	8.00	0.43
Linear, Drainage, Utilities, & Sub-Grade	Pumps	Diesel	Average	1.00	8.00	11.0	0.74
Linear, Drainage, Utilities, & Sub-Grade	Rough Terrain Forklifts	Diesel	Tier 4 Final	1.00	8.00	96.0	0.40
Linear, Drainage, Utilities, & Sub-Grade	Scrapers	Diesel	Tier 4 Final	1.00	8.00	423	0.48
Linear, Drainage, Utilities, & Sub-Grade	Signal Boards	Electric	Average	3.00	8.00	6.00	0.82
Linear, Drainage, Utilities, & Sub-Grade	Tractors/Loaders/Backh oes	Diesel	Tier 4 Final	3.00	8.00	84.0	0.37
Linear, Paving	Pavers	Diesel	Tier 4 Final	1.00	8.00	81.0	0.42
Linear, Paving	Paving Equipment	Diesel	Tier 4 Final	1.00	8.00	89.0	0.36
Linear, Paving	Rollers	Diesel	Tier 4 Final	2.00	8.00	36.0	0.38
Linear, Paving	Signal Boards	Electric	Average	3.00	8.00	6.00	0.82
Linear, Paving	Tractors/Loaders/Backh oes	Diesel	Tier 4 Final	3.00	8.00	84.0	0.37

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Site Preparation	_	_	_	_
Site Preparation	Worker	17.5	11.7	LDA,LDT1,LDT2
Site Preparation	Vendor	4.00	8.40	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	_	_	HHDT
Grading	_	_	_	_
Grading	Worker	20.0	11.7	LDA,LDT1,LDT2
Grading	Vendor	4.00	8.40	HHDT,MHDT
Grading	Hauling	6.80	20.0	HHDT
Grading	Onsite truck	_	_	HHDT
Linear, Grubbing & Land Clearing	_	_	_	_
Linear, Grubbing & Land Clearing	Worker	15.0	11.7	LDA,LDT1,LDT2
Linear, Grubbing & Land Clearing	Vendor	_	8.40	HHDT,MHDT
Linear, Grubbing & Land Clearing	Hauling	0.00	20.0	HHDT
Linear, Grubbing & Land Clearing	Onsite truck	_	_	HHDT
Linear, Grading & Excavation	_	_	_	_
Linear, Grading & Excavation	Worker	45.0	11.7	LDA,LDT1,LDT2
Linear, Grading & Excavation	Vendor	1.00	8.40	HHDT,MHDT
Linear, Grading & Excavation	Hauling	0.00	20.0	HHDT
Linear, Grading & Excavation	Onsite truck	_	_	HHDT
Linear, Drainage, Utilities, & Sub-Grade	_	_	_	_
Linear, Drainage, Utilities, & Sub-Grade	Worker	32.5	11.7	LDA,LDT1,LDT2
Linear, Drainage, Utilities, & Sub-Grade	Vendor	_	8.40	HHDT,MHDT
Linear, Drainage, Utilities, & Sub-Grade	Hauling	0.00	20.0	HHDT
Linear, Drainage, Utilities, & Sub-Grade	Onsite truck	_	_	HHDT

Linear, Paving	_	_	_	_
Linear, Paving	Worker	25.0	11.7	LDA,LDT1,LDT2
Linear, Paving	Vendor	_	8.40	HHDT,MHDT
Linear, Paving	Hauling	0.00	20.0	HHDT
Linear, Paving	Onsite truck	_	_	HHDT

5.3.2. Mitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Site Preparation	_	_	_	_
Site Preparation	Worker	17.5	11.7	LDA,LDT1,LDT2
Site Preparation	Vendor	4.00	8.40	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	_	_	HHDT
Grading	_	_	_	_
Grading	Worker	20.0	11.7	LDA,LDT1,LDT2
Grading	Vendor	4.00	8.40	HHDT,MHDT
Grading	Hauling	6.80	20.0	HHDT
Grading	Onsite truck	_	_	HHDT
Linear, Grubbing & Land Clearing	_	_	_	_
Linear, Grubbing & Land Clearing	Worker	15.0	11.7	LDA,LDT1,LDT2
Linear, Grubbing & Land Clearing	Vendor	_	8.40	HHDT,MHDT
Linear, Grubbing & Land Clearing	Hauling	0.00	20.0	HHDT
Linear, Grubbing & Land Clearing	Onsite truck	_	_	HHDT
Linear, Grading & Excavation	_	_	_	_
Linear, Grading & Excavation	Worker	45.0	11.7	LDA,LDT1,LDT2
Linear, Grading & Excavation	Vendor	1.00	8.40	HHDT,MHDT
Linear, Grading & Excavation	Hauling	0.00	20.0	HHDT

Linear, Grading & Excavation	Onsite truck	_	_	HHDT
Linear, Drainage, Utilities, & Sub-Grade	_	_	_	_
Linear, Drainage, Utilities, & Sub-Grade	Worker	32.5	11.7	LDA,LDT1,LDT2
Linear, Drainage, Utilities, & Sub-Grade	Vendor	_	8.40	HHDT,MHDT
Linear, Drainage, Utilities, & Sub-Grade	Hauling	0.00	20.0	HHDT
Linear, Drainage, Utilities, & Sub-Grade	Onsite truck	_	_	HHDT
Linear, Paving	_	_	_	_
Linear, Paving	Worker	25.0	11.7	LDA,LDT1,LDT2
Linear, Paving	Vendor	_	8.40	HHDT,MHDT
Linear, Paving	Hauling	0.00	20.0	HHDT
Linear, Paving	Onsite truck	_	_	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated	Residential Exterior Area Coated	Non-Residential Interior Area	Non-Residential Exterior Area	Parking Area Coated (sq ft)
	(sq ft)	(sq ft)	Coated (sq ft)	Coated (sq ft)	

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (cy)	Material Exported (cy)	Acres Graded (acres)	Material Demolished (sq. ft.)	Acres Paved (acres)
Site Preparation	_	_	60.0	0.00	_
Grading	5,977	0.00	330	0.00	_
Linear, Grubbing & Land Clearing	_	_	2.60	0.00	_

Linear, Grading & Excavation	_	_	2.60	0.00	_
Linear, Drainage, Utilities, & Sub-Grade	_	_	2.60	0.00	_

5.6.2. Construction Earthmoving Control Strategies

Non-applicable. No control strategies activated by user.

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Refrigerated Warehouse-No Rail	0.00	0%
Road Widening	2.60	100%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2024	352	204	0.03	< 0.005

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres
vegetation Land Ose Type	vegetation con Type	Illital Acres	i illai Acies

5.18.1.2. Mitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres
vogetation Earla 600 Type	regetation con type	Title 7 to 60	T ITIAL 7 (CFCC

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type Initial Acres Final Acres

5.18.1.2. Mitigated

Biomass Cover Type	Initial Acres	Final Acres
Biomass Cover Type	Initial Acres	Trinai Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)
1100 1/20	T CONTROL	Libertially Carea (ittilly)	ratarar Sas Savea (Starysar)

5.18.2.2. Mitigated

Tree Type	Nur	ımber	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)
noo iypo	I TWI		Electricity Savea (KVIII)	Hatarar Cas Cavoa (StaryCar)

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	19.0	annual days of extreme heat
Extreme Precipitation	4.95	annual days with precipitation above 20 mm
Sea Level Rise	0.00	meters of inundation depth
Wildfire	0.00	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider different increments of sea level rise coupled with extreme storm events. Users may select from four model simulations to view the range in potential inundation depth for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 50 meters (m) by 50 m, or about 164 feet (ft) by 164 ft.

Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	N/A	N/A	N/A	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	N/A	N/A	N/A	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.

The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.

The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	N/A	N/A	N/A	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A

Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	N/A	N/A	N/A	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.

The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.

The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	_
AQ-Ozone	22.2
AQ-PM	27.0
AQ-DPM	37.4
Drinking Water	37.4
Lead Risk Housing	64.3
Pesticides	64.0
Toxic Releases	59.0
Traffic	59.3
Effect Indicators	_

CleanUp Sites	0.00
Groundwater	86.3
Haz Waste Facilities/Generators	88.1
Impaired Water Bodies	58.7
Solid Waste	52.9
Sensitive Population	_
Asthma	95.3
Cardio-vascular	67.9
Low Birth Weights	92.7
Socioeconomic Factor Indicators	_
Education	75.7
Housing	62.4
Linguistic	79.0
Poverty	64.0
Unemployment	33.6

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	_
Above Poverty	27.48620557
Employed	12.39573977
Median HI	28.30745541
Education	_
Bachelor's or higher	21.46798409
High school enrollment	6.210701912
Preschool enrollment	14.35904016

Transportation	_
Auto Access	16.74579751
Active commuting	52.20069293
Social	_
2-parent households	27.53753368
Voting	30.6685487
Neighborhood	_
Alcohol availability	49.62145515
Park access	62.53047607
Retail density	36.41729757
Supermarket access	32.42653664
Tree canopy	69.11330681
Housing	_
Homeownership	31.38714231
Housing habitability	40.75452329
Low-inc homeowner severe housing cost burden	63.7495188
Low-inc renter severe housing cost burden	28.85923264
Uncrowded housing	30.12960349
Health Outcomes	_
Insured adults	34.83895804
Arthritis	33.8
Asthma ER Admissions	7.2
High Blood Pressure	31.6
Cancer (excluding skin)	63.4
Asthma	18.0
Coronary Heart Disease	51.0
Chronic Obstructive Pulmonary Disease	25.1

Diagnosed Diabetes	36.9
Life Expectancy at Birth	26.7
Cognitively Disabled	33.5
Physically Disabled	45.1
Heart Attack ER Admissions	18.8
Mental Health Not Good	25.4
Chronic Kidney Disease	45.1
Obesity	20.7
Pedestrian Injuries	83.2
Physical Health Not Good	31.5
Stroke	34.3
Health Risk Behaviors	_
Binge Drinking	48.9
Current Smoker	20.2
No Leisure Time for Physical Activity	33.2
Climate Change Exposures	_
Wildfire Risk	0.0
SLR Inundation Area	40.9
Children	37.8
Elderly	74.7
English Speaking	34.0
Foreign-born	62.2
Outdoor Workers	13.3
Climate Change Adaptive Capacity	_
Impervious Surface Cover	39.1
Traffic Density	54.7
Traffic Access	56.6

Other Indices	_
Hardship	70.9
Other Decision Support	_
2016 Voting	32.5

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	84.0
Healthy Places Index Score for Project Location (b)	16.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	No
Project Located in a Low-Income Community (Assembly Bill 1550)	Yes
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
	Total developed area site prep and grading (51.83 acres), plus construction of offsite roadway and utility improvements in Phase 1 of construction.

b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Construction: Construction Phases	Phase 1 Construction for onsite site prep and grading only, plus linear offsite roadway and utility
	improvements. Total of 6 months.

Reduced Footprint Hwy 12 Logistics Center - Construction + Ops Bldgs A & B Detailed Report

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1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Reduced Footprint Hwy 12 Logistics Center - Construction + Ops Bldgs A & B
Construction Start Date	7/1/2024
Operational Year	2025
Lead Agency	_
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	5.70
Precipitation (days)	39.2
Location	38.23586799668021, -122.05368682172676
County	Solano-San Francisco
City	Unincorporated
Air District	Bay Area AQMD
Air Basin	San Francisco Bay Area
TAZ	856
EDFZ	4
Electric Utility	Pacific Gas & Electric Company
Gas Utility	Pacific Gas & Electric
App Version	2022.1.1.18

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq	Special Landscape	Population	Description
					ft)	Area (sq ft)		

Refrigerated Warehouse-No Rail	357	1000sqft	16.7	357,328	370,016	0.00	_	Buildings A & B
Parking Lot	561	1000sqft	12.9	0.00	0.00	_	_	_
User Defined Recreational	1.14	User Defined Unit	1.14	0.00	0.00	_	_	_
Other Non-Asphalt Surfaces	6.19	Acre	6.19	0.00	0.00	_	_	_

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Construction	C-2*	Limit Heavy-Duty Diesel Vehicle Idling
Construction	C-5	Use Advanced Engine Tiers
Construction	C-10-A	Water Exposed Surfaces
Construction	C-13	Use Low-VOC Paints for Construction
Transportation	T-53*	Electrify Loading Docks
Refrigerants	R-1	Use Alternative Refrigerants Instead of High-GWP Refrigerants

^{*} Qualitative or supporting measure. Emission reductions not included in the mitigated emissions results.

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

Un/Mit.	TOG	ROG	NOx	со	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	всо2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Unmit.	2.75	2.31	22.4	20.5	0.05	0.93	2.78	3.71	0.86	0.40	1.17	_	5,357	5,357	0.21	0.31	10.2	5,464
Mit.	1.35	1.17	5.76	27.2	0.05	0.14	1.65	1.80	0.14	0.40	0.54	_	5,357	5,357	0.21	0.31	10.2	5,464

% Reduced	51%	49%	74%	-33%	_	85%	41%	52%	84%	_	54%	_	_	_	_	_	_	_
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	-	_	_	_	_	_	_	_
Unmit.	2.20	440	14.0	19.8	0.03	0.52	1.65	2.17	0.48	0.40	0.88	-	5,255	5,255	0.19	0.31	0.26	5,352
Mit.	1.32	197	6.03	21.7	0.03	0.14	1.65	1.80	0.14	0.40	0.54	-	5,255	5,255	0.19	0.31	0.26	5,352
% Reduced	40%	55%	57%	-9%	_	73%	_	17%	72%	_	39%	_	_	_	_	_	_	_
Average Daily (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Unmit.	0.73	11.5	4.77	6.40	0.01	0.18	0.54	0.72	0.17	0.12	0.29	_	1,678	1,678	0.06	0.09	1.27	1,708
Mit.	0.41	5.30	1.83	7.13	0.01	0.05	0.49	0.53	0.04	0.12	0.16	_	1,678	1,678	0.06	0.09	1.27	1,708
% Reduced	44%	54%	62%	-11%	_	75%	10%	26%	74%	5%	45%	_	_	_	_	_	_	_
Annual (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Unmit.	0.13	2.11	0.87	1.17	< 0.005	0.03	0.10	0.13	0.03	0.02	0.05	_	278	278	0.01	0.01	0.21	283
Mit.	0.07	0.97	0.33	1.30	< 0.005	0.01	0.09	0.10	0.01	0.02	0.03	_	278	278	0.01	0.01	0.21	283
% Reduced	44%	54%	62%	-11%	_	75%	10%	26%	74%	5%	45%	-	_	_	_	_	_	_

2.2. Construction Emissions by Year, Unmitigated

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Year	TOG	ROG	NOx	со	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
2024	2.75	2.31	22.4	20.5	0.05	0.93	2.78	3.71	0.86	0.40	1.17	_	5,357	5,357	0.21	0.31	10.2	5,464

Daily - Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
2024	2.20	440	14.0	19.8	0.03	0.52	1.65	2.17	0.48	0.40	0.88	_	5,255	5,255	0.19	0.31	0.26	5,352
Average Daily	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
2024	0.73	11.5	4.77	6.40	0.01	0.18	0.54	0.72	0.17	0.12	0.29	_	1,678	1,678	0.06	0.09	1.27	1,708
Annual	_	_	_	-	_	_	_	_	_	_	_	_	_	_	_	_	_	_
2024	0.13	2.11	0.87	1.17	< 0.005	0.03	0.10	0.13	0.03	0.02	0.05	_	278	278	0.01	0.01	0.21	283

2.3. Construction Emissions by Year, Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	со	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
2024	1.35	1.17	5.76	27.2	0.05	0.14	1.65	1.80	0.14	0.40	0.54	_	5,357	5,357	0.21	0.31	10.2	5,464
Daily - Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
2024	1.32	197	6.03	21.7	0.03	0.14	1.65	1.80	0.14	0.40	0.54	_	5,255	5,255	0.19	0.31	0.26	5,352
Average Daily	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
2024	0.41	5.30	1.83	7.13	0.01	0.05	0.49	0.53	0.04	0.12	0.16	_	1,678	1,678	0.06	0.09	1.27	1,708
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
2024	0.07	0.97	0.33	1.30	< 0.005	0.01	0.09	0.10	0.01	0.02	0.03	_	278	278	0.01	0.01	0.21	283

2.4. Operations Emissions Compared Against Thresholds

Un/Mit.	TOG	ROG	NOx	со	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
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Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Unmit.	6.26	14.5	16.2	32.2	0.02	1.07	0.00	1.07	1.04	0.00	1.04	339	8,362	8,702	35.4	0.51	9,523	19,261
Mit.	6.26	14.5	16.2	32.2	0.02	1.07	0.00	1.07	1.04	0.00	1.04	339	8,362	8,702	35.4	0.51	4,431	14,169
% Reduced	_	_	_	_	_	_	_	_	_	_	_		_		_	_	53%	26%
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Unmit.	3.49	11.9	16.0	16.7	0.02	1.04	0.00	1.04	1.02	0.00	1.02	339	8,298	8,638	35.4	0.51	9,523	19,197
Mit.	3.49	11.9	16.0	16.7	0.02	1.04	0.00	1.04	1.02	0.00	1.02	339	8,298	8,638	35.4	0.51	4,431	14,105
% Reduced	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	53%	27%
Average Daily (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Unmit.	2.17	10.7	5.73	15.0	0.01	0.34	0.00	0.34	0.31	0.00	0.31	339	7,079	7,418	35.3	0.50	9,523	17,973
Mit.	2.17	10.7	5.73	15.0	0.01	0.34	0.00	0.34	0.31	0.00	0.31	339	7,079	7,418	35.3	0.50	4,431	12,882
% Reduced	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	53%	28%
Annual (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Unmit.	0.40	1.96	1.05	2.74	< 0.005	0.06	0.00	0.06	0.06	0.00	0.06	56.2	1,172	1,228	5.85	0.08	1,577	2,976
Mit.	0.40	1.96	1.05	2.74	< 0.005	0.06	0.00	0.06	0.06	0.00	0.06	56.2	1,172	1,228	5.85	0.08	734	2,133
% Reduced	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	53%	28%

2.5. Operations Emissions by Sector, Unmitigated

Sector	TOG	ROG	NOx	СО	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Mobile	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	0.00
Area	2.76	11.3	0.13	15.5	< 0.005	0.03	_	0.03	0.02	_	0.02	_	63.9	63.9	< 0.005	< 0.005	_	64.1
Energy	0.05	0.03	0.48	0.40	< 0.005	0.04	_	0.04	0.04	_	0.04	_	5,729	5,729	0.89	0.10	_	5,781
Water	_	_	_	_	_	_	_	_	_	_	_	158	312	470	16.3	0.39	_	994
Waste	_	_	_	_	_	_	_	_	_	_	_	181	0.00	181	18.1	0.00	_	633
Refrig.	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	9,523	9,523
Off-Road	0.56	0.47	4.43	6.25	0.01	0.23	_	0.23	0.22	_	0.22	_	915	915	0.04	0.01	_	918
Stationar y	2.89	2.63	11.1	10.0	0.01	0.77	0.00	0.77	0.77	0.00	0.77	0.00	1,343	1,343	0.05	0.01	0.00	1,348
Total	6.26	14.5	16.2	32.2	0.02	1.07	0.00	1.07	1.04	0.00	1.04	339	8,362	8,702	35.4	0.51	9,523	19,261
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Mobile	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	0.00
Area	_	8.80	_	<u> </u>	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Energy	0.05	0.03	0.48	0.40	< 0.005	0.04	_	0.04	0.04	_	0.04	_	5,729	5,729	0.89	0.10	_	5,781
Water	_	_	_	_	_	_	_	-	_	_	-	158	312	470	16.3	0.39	_	994
Waste	_	_	_	_	_	_	_	_	_	_	_	181	0.00	181	18.1	0.00	_	633
Refrig.	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	9,523	9,523
Off-Road	0.56	0.47	4.43	6.25	0.01	0.23	_	0.23	0.22	_	0.22	_	915	915	0.04	0.01	_	918
Stationar y	2.89	2.63	11.1	10.0	0.01	0.77	0.00	0.77	0.77	0.00	0.77	0.00	1,343	1,343	0.05	0.01	0.00	1,348
Total	3.49	11.9	16.0	16.7	0.02	1.04	0.00	1.04	1.02	0.00	1.02	339	8,298	8,638	35.4	0.51	9,523	19,197
Average Daily	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Mobile	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	0.00
Area	1.36	10.1	0.06	7.66	< 0.005	0.01	_	0.01	0.01	_	0.01	_	31.5	31.5	< 0.005	< 0.005	_	31.6

Energy	0.05	0.03	0.48	0.40	< 0.005	0.04	_	0.04	0.04	_	0.04	_	5,729	5,729	0.89	0.10	_	5,781
Water	_	_	_	_	_	_	_	_	_	_	_	158	312	470	16.3	0.39	_	994
Waste	_	_	_	<u> </u>	_	_	_	_	_	_	_	181	0.00	181	18.1	0.00	_	633
Refrig.	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	9,523	9,523
Off-Road	0.56	0.47	4.43	6.25	0.01	0.23	_	0.23	0.22	_	0.22	_	915	915	0.04	0.01	_	918
Stationar y	0.20	0.18	0.76	0.69	< 0.005	0.05	0.00	0.05	0.05	0.00	0.05	0.00	92.0	92.0	< 0.005	< 0.005	0.00	92.3
Total	2.17	10.7	5.73	15.0	0.01	0.34	0.00	0.34	0.31	0.00	0.31	339	7,079	7,418	35.3	0.50	9,523	17,973
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Mobile	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	0.00
Area	0.25	1.83	0.01	1.40	< 0.005	< 0.005	_	< 0.005	< 0.005	_	< 0.005	_	5.22	5.22	< 0.005	< 0.005	_	5.24
Energy	0.01	< 0.005	0.09	0.07	< 0.005	0.01	_	0.01	0.01	_	0.01	_	948	948	0.15	0.02	_	957
Water	_	_	_	_	_	_	_	_	_	_	_	26.2	51.6	77.8	2.70	0.06	_	165
Waste	_	_	_	_	_	_	_	_	_	_	_	30.0	0.00	30.0	3.00	0.00	_	105
Refrig.	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	1,577	1,577
Off-Road	0.10	0.09	0.81	1.14	< 0.005	0.04	_	0.04	0.04	_	0.04	_	151	151	0.01	< 0.005	_	152
Stationar y	0.04	0.03	0.14	0.13	< 0.005	0.01	0.00	0.01	0.01	0.00	0.01	0.00	15.2	15.2	< 0.005	< 0.005	0.00	15.3
Total	0.40	1.96	1.05	2.74	< 0.005	0.06	0.00	0.06	0.06	0.00	0.06	56.2	1,172	1,228	5.85	0.08	1,577	2,976

2.6. Operations Emissions by Sector, Mitigated

Ontona	i Ollataii	راله/ تلظ	y ioi aaii	iy, toinyi	ioi aiiii	adi) dila	01 103 (1	Drady 10	i dully, iv	11/91 101	ariilaaij							
Sector	TOG	ROG	NOx	со	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Mobile	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	0.00
Area	2.76	11.3	0.13	15.5	< 0.005	0.03	_	0.03	0.02	_	0.02	_	63.9	63.9	< 0.005	< 0.005	_	64.1
Energy	0.05	0.03	0.48	0.40	< 0.005	0.04	_	0.04	0.04	_	0.04	_	5,729	5,729	0.89	0.10	_	5,781

Water	_	_	_	_	_	_	_	<u> </u>	_	_	_	158	312	470	16.3	0.39	_	994
Waste	_	_	_	_	_	_	_	_	_	_	_	181	0.00	181	18.1	0.00	_	633
Refrig.	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	4,431	4,431
Off-Road	0.56	0.47	4.43	6.25	0.01	0.23	_	0.23	0.22	_	0.22	_	915	915	0.04	0.01	_	918
Stationar y	2.89	2.63	11.1	10.0	0.01	0.77	0.00	0.77	0.77	0.00	0.77	0.00	1,343	1,343	0.05	0.01	0.00	1,348
Total	6.26	14.5	16.2	32.2	0.02	1.07	0.00	1.07	1.04	0.00	1.04	339	8,362	8,702	35.4	0.51	4,431	14,169
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Mobile	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	0.00
Area	_	8.80	_	<u> </u>	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Energy	0.05	0.03	0.48	0.40	< 0.005	0.04	_	0.04	0.04	_	0.04	_	5,729	5,729	0.89	0.10	_	5,781
Water	_	_	_	_	_	_	_	_	_	_	_	158	312	470	16.3	0.39	_	994
Waste	_	_	_	_	_	_	_	_	_	_	_	181	0.00	181	18.1	0.00	_	633
Refrig.	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	4,431	4,431
Off-Road	0.56	0.47	4.43	6.25	0.01	0.23	_	0.23	0.22	_	0.22	_	915	915	0.04	0.01	_	918
Stationar y	2.89	2.63	11.1	10.0	0.01	0.77	0.00	0.77	0.77	0.00	0.77	0.00	1,343	1,343	0.05	0.01	0.00	1,348
Total	3.49	11.9	16.0	16.7	0.02	1.04	0.00	1.04	1.02	0.00	1.02	339	8,298	8,638	35.4	0.51	4,431	14,105
Average Daily	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Mobile	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	0.00
Area	1.36	10.1	0.06	7.66	< 0.005	0.01	_	0.01	0.01	_	0.01	_	31.5	31.5	< 0.005	< 0.005	_	31.6
Energy	0.05	0.03	0.48	0.40	< 0.005	0.04	_	0.04	0.04	_	0.04	_	5,729	5,729	0.89	0.10	_	5,781
Water	_	_	_	_	_	_	_	_	_	_	_	158	312	470	16.3	0.39	_	994
Waste	_	_	_	_	_	_	_	-	_	_	_	181	0.00	181	18.1	0.00	_	633
Refrig.	_	_	_	_	_	_	_	_	_	_	-	-	<u> </u>	_	_	_	4,431	4,431
Off-Road	0.56	0.47	4.43	6.25	0.01	0.23	_	0.23	0.22	_	0.22	_	915	915	0.04	0.01	_	918

Stationar	0.20	0.18	0.76	0.69	< 0.005	0.05	0.00	0.05	0.05	0.00	0.05	0.00	92.0	92.0	< 0.005	< 0.005	0.00	92.3
Total	2.17	10.7	5.73	15.0	0.01	0.34	0.00	0.34	0.31	0.00	0.31	339	7,079	7,418	35.3	0.50	4,431	12,882
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Mobile	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	0.00
Area	0.25	1.83	0.01	1.40	< 0.005	< 0.005	_	< 0.005	< 0.005	_	< 0.005	_	5.22	5.22	< 0.005	< 0.005	_	5.24
Energy	0.01	< 0.005	0.09	0.07	< 0.005	0.01	_	0.01	0.01	_	0.01	_	948	948	0.15	0.02	_	957
Water	_	_	_	_	_	_	_	_	_	_	_	26.2	51.6	77.8	2.70	0.06	_	165
Waste	_	_	_	_	_	_	_	_	_	_	_	30.0	0.00	30.0	3.00	0.00	_	105
Refrig.	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	734	734
Off-Road	0.10	0.09	0.81	1.14	< 0.005	0.04	_	0.04	0.04	_	0.04	_	151	151	0.01	< 0.005	_	152
Stationar y	0.04	0.03	0.14	0.13	< 0.005	0.01	0.00	0.01	0.01	0.00	0.01	0.00	15.2	15.2	< 0.005	< 0.005	0.00	15.3
Total	0.40	1.96	1.05	2.74	< 0.005	0.06	0.00	0.06	0.06	0.00	0.06	56.2	1,172	1,228	5.85	0.08	734	2,133

3. Construction Emissions Details

3.1. Grading (2024) - Unmitigated

Location	TOG	ROG	NOx	со	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	_		_	_	_	_	_	_		_	_	_		_	_	_	_	_
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Off-Road Equipmen		2.26	22.2	19.7	0.05	0.93	_	0.93	0.85		0.85	_	4,937	4,937	0.20	0.04	_	4,954
Dust From Material Movemen	<u> </u>	_	_	_	_	_	2.65	2.65	_	0.29	0.29	_	_	_	_	_	_	_

Onsite truck	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	
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Average Daily	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	-	_	_
Off-Road Equipmen		0.06	0.61	0.54	< 0.005	0.03	_	0.03	0.02	_	0.02	_	135	135	0.01	< 0.005	_	136
Dust From Material Movemen	<u> </u>	_	_	_	_	_	0.07	0.07	-	0.01	0.01	_	_	_	_	_	_	_
Onsite truck	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	_
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Off-Road Equipmen		0.01	0.11	0.10	< 0.005	< 0.005	_	< 0.005	< 0.005	_	< 0.005	_	22.4	22.4	< 0.005	< 0.005	_	22.5
Dust From Material Movemen	_	_	_	_	_	_	0.01	0.01	_	< 0.005	< 0.005	_	_	_	_	_	_	-
Onsite truck	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	_
Offsite	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Worker	0.06	0.05	0.04	0.55	0.00	0.00	0.10	0.10	0.00	0.02	0.02	_	114	114	< 0.005	< 0.005	0.50	_
Vendor	0.01	< 0.005	0.15	0.06	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	_	109	109	< 0.005	0.02	0.29	_
Hauling	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	_
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_

Average Daily	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	_	2.92	2.92	< 0.005	< 0.005	0.01	_
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	_	2.98	2.98	< 0.005	< 0.005	< 0.005	_
Hauling	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	_
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	_	0.48	0.48	< 0.005	< 0.005	< 0.005	_
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	_	0.49	0.49	< 0.005	< 0.005	< 0.005	_
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	_	0.00	0.00	0.00	0.00	0.00	_

3.2. Grading (2024) - Mitigated

Location	TOG	ROG	NOx	со	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Off-Road Equipmen		0.47	2.43	26.6	0.05	0.09	_	0.09	0.09	_	0.09	_	4,937	4,937	0.20	0.04	_	4,954
Dust From Material Movemen	<u> </u>	_	_	_	_	_	0.69	0.69	_	0.07	0.07	_	_	_	_	_	_	_
Onsite truck	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	_
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Average Daily	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Off-Road Equipmen		0.01	0.07	0.73	< 0.005	< 0.005	_	< 0.005	< 0.005	-	< 0.005	_	135	135	0.01	< 0.005	_	136

Dust From Material Movemen	-	_		_		_	0.02	0.02		< 0.005	< 0.005	_			_			
Onsite truck	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	_
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Off-Road Equipmen		< 0.005	0.01	0.13	< 0.005	< 0.005	_	< 0.005	< 0.005	_	< 0.005	_	22.4	22.4	< 0.005	< 0.005	_	22.5
Dust From Material Movemen	<u> </u>	_	_	_	_	_	< 0.005	< 0.005	_	< 0.005	< 0.005	_	_	_	_	_	_	_
Onsite truck	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	_
Offsite	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Daily, Summer (Max)	_	-	-	-	_	_	-	_	_	_	_	_	_	-	-	_	_	_
Worker	0.06	0.05	0.04	0.55	0.00	0.00	0.10	0.10	0.00	0.02	0.02	_	114	114	< 0.005	< 0.005	0.50	_
Vendor	0.01	< 0.005	0.15	0.06	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	_	109	109	< 0.005	0.02	0.29	_
Hauling	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	_
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Average Daily	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	_	2.92	2.92	< 0.005	< 0.005	0.01	_
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	_	2.98	2.98	< 0.005	< 0.005	< 0.005	_
Hauling	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	_
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	_	0.48	0.48	< 0.005	< 0.005	< 0.005	_

⊢Ha	aulina	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	_
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3.3. Building Construction (2024) - Unmitigated

					r for anni													
_ocation	TOG	ROG	NOx	со	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Off-Road Equipmen		1.20	11.2	13.1	0.02	0.50	_	0.50	0.46	_	0.46	_	2,398	2,398	0.10	0.02	_	2,406
Onsite truck	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	_
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Off-Road Equipmen		1.20	11.2	13.1	0.02	0.50	_	0.50	0.46	_	0.46	_	2,398	2,398	0.10	0.02	_	2,406
Onsite truck	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	_
Average Daily	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Off-Road Equipmen		0.34	3.17	3.70	0.01	0.14	_	0.14	0.13	_	0.13	_	677	677	0.03	0.01	_	679
Onsite truck	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	_
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Off-Road Equipmen		0.06	0.58	0.68	< 0.005	0.03	_	0.03	0.02	_	0.02	_	112	112	< 0.005	< 0.005	_	112
Onsite ruck	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	_
Offsite	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_

Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Worker	0.67	0.62	0.42	6.58	0.00	0.00	1.24	1.24	0.00	0.29	0.29	<u> </u>	1,370	1,370	0.03	0.05	5.98	_
Vendor	0.12	0.06	2.13	0.83	0.01	0.02	0.41	0.43	0.02	0.11	0.14	_	1,590	1,590	0.05	0.24	4.22	_
Hauling	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	-
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Worker	0.65	0.59	0.57	5.85	0.00	0.00	1.24	1.24	0.00	0.29	0.29	_	1,266	1,266	0.04	0.05	0.15	_
Vendor	0.12	0.06	2.25	0.86	0.01	0.02	0.41	0.43	0.02	0.11	0.14	_	1,591	1,591	0.05	0.24	0.11	_
Hauling	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	_
Average Daily	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Worker	0.18	0.16	0.14	1.59	0.00	0.00	0.34	0.34	0.00	0.08	0.08	_	362	362	0.01	0.01	0.73	_
Vendor	0.03	0.02	0.62	0.24	< 0.005	0.01	0.11	0.12	0.01	0.03	0.04	_	449	449	0.01	0.07	0.51	_
Hauling	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	_
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Worker	0.03	0.03	0.03	0.29	0.00	0.00	0.06	0.06	0.00	0.01	0.01	_	59.9	59.9	< 0.005	< 0.005	0.12	_
Vendor	0.01	< 0.005	0.11	0.04	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	<u> </u>	74.3	74.3	< 0.005	0.01	0.08	_
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	_	0.00	0.00	0.00	0.00	0.00	_

3.4. Building Construction (2024) - Mitigated

Location	TOG	ROG	NOx	со	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	_	_	<u> </u>	_	_	_	<u> </u>	<u> </u>	<u> </u>	_	_	_	_	_	_	_	_	_
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_

Off-Road Equipmen		0.49	3.21	15.0	0.02	0.12	_	0.12	0.11	_	0.11	_	2,398	2,398	0.10	0.02	_	2,406
Onsite truck	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	_
Daily, Winter (Max)	_	_	_	_	_	_	-	_	_	_	_	_	_	_	_	_	_	_
Off-Road Equipmen		0.49	3.21	15.0	0.02	0.12	_	0.12	0.11	_	0.11	-	2,398	2,398	0.10	0.02	_	2,406
Onsite truck	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	_
Average Daily	_	_	-	_	_	_	_	_	-	-	_	-	_	_	_	-	-	-
Off-Road Equipmen		0.14	0.90	4.23	0.01	0.03	_	0.03	0.03	-	0.03	-	677	677	0.03	0.01	-	679
Onsite truck	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	-
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Off-Road Equipmen		0.03	0.17	0.77	< 0.005	0.01	_	0.01	0.01	_	0.01	-	112	112	< 0.005	< 0.005	_	112
Onsite truck	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	_
Offsite	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Daily, Summer (Max)	_	_	_	_	_	_	_	_	-	_	_	_	_	_	_	_	_	-
Worker	0.67	0.62	0.42	6.58	0.00	0.00	1.24	1.24	0.00	0.29	0.29	_	1,370	1,370	0.03	0.05	5.98	_
Vendor	0.12	0.06	2.13	0.83	0.01	0.02	0.41	0.43	0.02	0.11	0.14	_	1,590	1,590	0.05	0.24	4.22	_
Hauling	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	_
Daily, Winter (Max)	_	_	-	-	_	_	_	_	-	_	_	_	_	_	_	_	_	-
Worker	0.65	0.59	0.57	5.85	0.00	0.00	1.24	1.24	0.00	0.29	0.29	_	1,266	1,266	0.04	0.05	0.15	_

Vendor	0.12	0.06	2.25	0.86	0.01	0.02	0.41	0.43	0.02	0.11	0.14	_	1,591	1,591	0.05	0.24	0.11	_
Hauling	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	_
Average Daily	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Worker	0.18	0.16	0.14	1.59	0.00	0.00	0.34	0.34	0.00	0.08	0.08	_	362	362	0.01	0.01	0.73	_
Vendor	0.03	0.02	0.62	0.24	< 0.005	0.01	0.11	0.12	0.01	0.03	0.04	_	449	449	0.01	0.07	0.51	_
Hauling	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	_
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Worker	0.03	0.03	0.03	0.29	0.00	0.00	0.06	0.06	0.00	0.01	0.01	_	59.9	59.9	< 0.005	< 0.005	0.12	_
Vendor	0.01	< 0.005	0.11	0.04	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	_	74.3	74.3	< 0.005	0.01	0.08	_
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	_	0.00	0.00	0.00	0.00	0.00	_

3.5. Paving (2024) - Unmitigated

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Location	TOG	ROG	NOx	СО	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Off-Road Equipmen		0.85	7.81	10.0	0.01	0.39	_	0.39	0.36	_	0.36	_	1,512	1,512	0.06	0.01	_	1,517
Paving	_	3.75	_	_	_	_	<u> </u>	_		_	_	_	_	_	_	_	_	_
Onsite truck	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	_
Average Daily	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_

Off-Road Equipmen		0.02	0.19	0.25	< 0.005	0.01	_	0.01	0.01	_	0.01	_	37.3	37.3	< 0.005	< 0.005	_	37.4
Paving	_	0.09	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Onsite truck	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	_
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Off-Road Equipmen		< 0.005	0.04	0.05	< 0.005	< 0.005	_	< 0.005	< 0.005	_	< 0.005	_	6.17	6.17	< 0.005	< 0.005	_	6.19
Paving	_	0.02	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Onsite truck	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	_
Offsite	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Daily, Summer (Max)	_	_	_	_	_	_	-	-	_	_	_	-	_	_	_	_	_	-
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	-	_	_	_	_
Worker	0.06	0.06	0.06	0.59	0.00	0.00	0.12	0.12	0.00	0.03	0.03	_	127	127	< 0.005	0.01	0.02	_
Vendor	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	_
Hauling	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	_
Average Daily	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	-
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	_	3.16	3.16	< 0.005	< 0.005	0.01	_
Vendor	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	_
Hauling	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	_
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	_	0.52	0.52	< 0.005	< 0.005	< 0.005	_
Vendor	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	_
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	_	0.00	0.00	0.00	0.00	0.00	_

3.6. Paving (2024) - Mitigated

Location	TOG	ROG	NOx	со	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Off-Road Equipmen		0.41	2.45	10.6	0.01	0.12	_	0.12	0.11	_	0.11	_	1,512	1,512	0.06	0.01	_	1,517
Paving	_	3.75	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Onsite truck	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	_
Average Daily	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Off-Road Equipmen		0.01	0.06	0.26	< 0.005	< 0.005	_	< 0.005	< 0.005	_	< 0.005	_	37.3	37.3	< 0.005	< 0.005	_	37.4
Paving	_	0.09	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Onsite truck	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	_
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Off-Road Equipmen		< 0.005	0.01	0.05	< 0.005	< 0.005	-	< 0.005	< 0.005	_	< 0.005	_	6.17	6.17	< 0.005	< 0.005	_	6.19
Paving	_	0.02	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Onsite truck	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	_
Offsite	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Daily, Summer (Max)	_	_	_	_	_	_	-	_	_	_	-	_	_	_	-	_	_	-

Daily, Winter (Max)	_	_	_		_	_	_	_	_		_	_		_	_	_	_	_
Worker	0.06	0.06	0.06	0.59	0.00	0.00	0.12	0.12	0.00	0.03	0.03	_	127	127	< 0.005	0.01	0.02	_
Vendor	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	_
Hauling	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	_
Average Daily	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	_	3.16	3.16	< 0.005	< 0.005	0.01	_
Vendor	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	_
Hauling	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	_
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	_	0.52	0.52	< 0.005	< 0.005	< 0.005	_
Vendor	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	_
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	_	0.00	0.00	0.00	0.00	0.00	_

3.7. Architectural Coating (2024) - Unmitigated

Location		ROG							PM2.5E			BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Off-Road Equipmen		0.14	0.91	1.15	< 0.005	0.03	_	0.03	0.03	_	0.03	_	134	134	0.01	< 0.005	_	134
Architect ural Coatings	_	440	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_

Onsite truck	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	
Average Daily	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Off-Road Equipmer		< 0.005	0.02	0.03	< 0.005	< 0.005	_	< 0.005	< 0.005	_	< 0.005	_	3.29	3.29	< 0.005	< 0.005	_	3.30
Architect ural Coatings	-	10.8	_	_	_	_	_	-	_	_	_	_	_	-	_	_	_	_
Onsite truck	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	_
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Off-Road Equipmer		< 0.005	< 0.005	0.01	< 0.005	< 0.005	_	< 0.005	< 0.005	_	< 0.005	-	0.55	0.55	< 0.005	< 0.005	-	0.55
Architect ural Coatings	_	1.98	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Onsite truck	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	_
Offsite	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Daily, Summer (Max)	-	_	_	_	_	_	-	_	_	_	_	-	_	-	_	_	_	_
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Worker	0.13	0.12	0.11	1.17	0.00	0.00	0.25	0.25	0.00	0.06	0.06	_	253	253	0.01	0.01	0.03	_
Vendor	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	_
Hauling	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	_
Average Daily	-	_	_	_	_	_	_	-	-	_	-	-	_	-	_	-	-	-
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	_	6.32	6.32	< 0.005	< 0.005	0.01	_
Vendor	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	_

Hauling	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	_
Annual	_	_	_	_	_	_	_	_		_	_	_	_	_	_	_	_	_
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	_	1.05	1.05	< 0.005	< 0.005	< 0.005	_
Vendor	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	_
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	_	0.00	0.00	0.00	0.00	0.00	_

3.8. Architectural Coating (2024) - Mitigated

J		10 (107 00	,	<i>J</i> , <i>J</i>		,	O O O (.		· J ,		a							
Location	TOG	ROG	NOx	СО	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Off-Road Equipmen		0.14	0.91	1.15	< 0.005	0.03	_	0.03	0.03	_	0.03	_	134	134	0.01	< 0.005	_	134
Architect ural Coatings	_	197	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Onsite truck	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	_
Average Daily	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Off-Road Equipmen		< 0.005	0.02	0.03	< 0.005	< 0.005	_	< 0.005	< 0.005	_	< 0.005	_	3.29	3.29	< 0.005	< 0.005	_	3.30
Architect ural Coatings	_	4.86	_	_			_	_	_	_	_						_	_
Onsite truck	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	_

Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Off-Road Equipmen		< 0.005	< 0.005	0.01	< 0.005	< 0.005	_	< 0.005	< 0.005	_	< 0.005	-	0.55	0.55	< 0.005	< 0.005	_	0.55
Architect ural Coatings	_	0.89	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Onsite truck	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	_
Offsite	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Worker	0.13	0.12	0.11	1.17	0.00	0.00	0.25	0.25	0.00	0.06	0.06	_	253	253	0.01	0.01	0.03	_
Vendor	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	_
Hauling	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	_
Average Daily	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	_	6.32	6.32	< 0.005	< 0.005	0.01	_
Vendor	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	_
Hauling	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	_
Annual	_	_	_	_	_	_	_	-	_	_	_	_	_	_	_	_	_	_
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	_	1.05	1.05	< 0.005	< 0.005	< 0.005	_
Vendor	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	_
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	_	0.00	0.00	0.00	0.00	0.00	_

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

Cillella	rullula	into (ib/u	ay ioi u	any, ton,	yı ioi aii	nuai) and	GI IGS (ib/uay ic	n dany, N	/11/y1 101	aririuaij							
Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Refrigera ted Warehou se-No Rail	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	0.00
Parking Lot	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	0.00
User Defined Recreation	0.00 าal	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
Other Non-Asph Surfaces	0.00 alt	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
Total	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	0.00
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Refrigera ted Warehou se-No Rail	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	0.00
Parking Lot	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	0.00

User Defined Recreation	0.00 nal	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
Other Non-Asph Surfaces	0.00 alt	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
Total	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	0.00
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Refrigera ted Warehou se-No Rail	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	0.00
Parking Lot	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	0.00
User Defined Recreation	0.00 าal	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
Other Non-Asph Surfaces	0.00 alt	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
Total	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	0.00

4.1.2. Mitigated

Land Use	TOG	ROG	NOx	СО	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Refrigera ted Warehou se-No Rail	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	0.00

Parking Lot	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	0.00
User Defined Recreation	0.00 nal	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
Other Non-Aspha Surfaces	0.00 alt	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
Total	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	0.00
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	-	_	_	_	_	_	_
Refrigera ted Warehou se-No Rail	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	0.00
Parking Lot	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	0.00
User Defined Recreation	0.00 nal	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
Other Non-Aspha Surfaces	0.00 alt	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
Total	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	0.00
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Refrigera ted Warehou se-No Rail	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	0.00
Parking Lot	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	0.00

User Defined Recreation	0.00 nal	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
Other Non-Asph Surfaces	0.00 alt	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
Total	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	0.00

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

										DM0.5D		D000	NDOOS	COST	OUL	NOO		000
Land Use	TOG	ROG	NOx	со	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.51	BCO2	NBCO2	СО2Т	CH4	N2O	R	CO2e
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Refrigera ted Warehou se-No Rail				_	_	_		_		_		_	4,886	4,886	0.79	0.10	_	4,934
Parking Lot	_	_	_	_	_	_	_	_	_	_	_	_	275	275	0.04	0.01	_	277
User Defined Recreation	_ nal	_	_	_	_	_	_	_	_	_	_	_	0.00	0.00	0.00	0.00	_	0.00
Other Non-Asph Surfaces	— alt	_	_	_	_	_	_	_	_	_	_	_	0.00	0.00	0.00	0.00	_	0.00
Total	_	_	_	_	_	_	_	_	_	_	_	_	5,161	5,161	0.83	0.10	_	5,212
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_

Refrigera Warehouse Rail		_	_	_	_	_	_	_	_	_	_	_	4,886	4,886	0.79	0.10	_	4,934
Parking Lot	_	_	_	_	_	_	_	_	_	_	_	_	275	275	0.04	0.01	_	277
User Defined Recreation	— al	_	-	_	_	_	_	_	_	_	_	_	0.00	0.00	0.00	0.00	_	0.00
Other Non-Aspha Surfaces	— alt	_	_	_	_	_	_	_	_	_	_	_	0.00	0.00	0.00	0.00	_	0.00
Total		_	_	_		_	_	_			_	_	5,161	5,161	0.83	0.10	_	5,212
Annual	_	_	_	-	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Refrigera ted Warehou se-No Rail	_	_	_	_	_	_	_	_	_	_	_	_	809	809	0.13	0.02	_	817
Parking -	_	_	_	_	_	_	-	_	_	_	_	_	45.5	45.5	0.01	< 0.005	_	45.9
User Defined Recreation	— al	_	-	_	_	_	_	_	_	_	_	_	0.00	0.00	0.00	0.00	_	0.00
Other Non-Aspha Surfaces	— alt	_	_	_	_	_	_	_	_	_	_	_	0.00	0.00	0.00	0.00	_	0.00
Total	_	_	_	<u> </u>	<u> </u>	_	_	_	_	_	_	_	854	854	0.14	0.02	_	863

4.2.2. Electricity Emissions By Land Use - Mitigated

Land	TOG	ROG	NOx	СО	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Use																		

Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Refrigera ted Warehou se-No Rail	_	_	_	_	_			_	_	_	_	_	4,886	4,886	0.79	0.10		4,934
Parking Lot	_	_	_	_	_	_	_	_	_	_	_	_	275	275	0.04	0.01	_	277
User Defined Recreation	— าal	_	_	_	_	_	_	_	_	_	_	_	0.00	0.00	0.00	0.00	_	0.00
Other Non-Asph Surfaces	— alt	_	_	_	_	_	_	_	_	_	_	_	0.00	0.00	0.00	0.00	_	0.00
Total	_	_	_	_	_		_	_	_	_	_	_	5,161	5,161	0.83	0.10		5,212
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Refrigera ted Warehou se-No Rail	_	-	_	_	_	_	_	_	_	_	_	_	4,886	4,886	0.79	0.10	_	4,934
Parking Lot	_	_	_	_	_	_	_	_	_	_	_	_	275	275	0.04	0.01	_	277
User Defined Recreation	_ nal	_	_	_	_	_	_	_	_	_	_	-	0.00	0.00	0.00	0.00	_	0.00
Other Non-Asph Surfaces	— alt	_	_	_	_	_	_	_	_	_	_	_	0.00	0.00	0.00	0.00	_	0.00
Total	_	_	_	_	_	_	_	_	_	_	_	_	5,161	5,161	0.83	0.10	_	5,212
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_

Refrigera ted	_	_	_	_	_	_	_	_	_	_	_	_	809	809	0.13	0.02	_	817
Parking Lot	_	_	_	_	_	_	_	_	_	_	_	_	45.5	45.5	0.01	< 0.005	_	45.9
User Defined Recreation	— nal	_	_	_	_	_	_	_	_	_	_	_	0.00	0.00	0.00	0.00	_	0.00
Other Non-Asph Surfaces	— alt	_	_	_	_	_		_	_	_	_	_	0.00	0.00	0.00	0.00	_	0.00
Total	_	_	_	_	_	_	_	_	_	_	_	_	854	854	0.14	0.02	_	863

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

Land Use	TOG	ROG	NOx	со	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Refrigera ted Warehou se-No Rail	0.05	0.03	0.48	0.40	< 0.005	0.04	_	0.04	0.04	_	0.04	_	568	568	0.05	< 0.005	_	570
Parking Lot	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
User Defined Recreation	0.00 nal	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
Other Non-Asph Surfaces	0.00 alt	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
Total	0.05	0.03	0.48	0.40	< 0.005	0.04	_	0.04	0.04	_	0.04	_	568	568	0.05	< 0.005	_	570

Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Refrigera ted Warehou se-No Rail	0.05	0.03	0.48	0.40	< 0.005	0.04	_	0.04	0.04	_	0.04	_	568	568	0.05	< 0.005	_	570
Parking Lot	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
User Defined Recreation	0.00 nal	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
Other Non-Asph Surfaces	0.00 alt	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
Total	0.05	0.03	0.48	0.40	< 0.005	0.04	_	0.04	0.04	_	0.04	_	568	568	0.05	< 0.005	_	570
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Refrigera ted Warehou se-No Rail	0.01	< 0.005	0.09	0.07	< 0.005	0.01	_	0.01	0.01	_	0.01	_	94.1	94.1	0.01	< 0.005	_	94.3
Parking Lot	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
User Defined Recreation	0.00 nal	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
Other Non-Asph Surfaces	0.00 alt	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
Total	0.01	< 0.005	0.09	0.07	< 0.005	0.01	_	0.01	0.01	_	0.01	_	94.1	94.1	0.01	< 0.005	_	94.3

4.2.4. Natural Gas Emissions By Land Use - Mitigated

Land	TOG	ROG	NOx	СО	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Use																		
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_		_	_	_	_	_	_
Refrigera ted Warehou se-No Rail	0.05	0.03	0.48	0.40	< 0.005	0.04	_	0.04	0.04	_	0.04	_	568	568	0.05	< 0.005	_	570
Parking Lot	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
User Defined Recreation	0.00 nal	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
Other Non-Asph Surfaces	0.00 alt	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
Total	0.05	0.03	0.48	0.40	< 0.005	0.04	_	0.04	0.04	_	0.04	_	568	568	0.05	< 0.005	_	570
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Refrigera ted Warehou se-No Rail	0.05	0.03	0.48	0.40	< 0.005	0.04	-	0.04	0.04	_	0.04	_	568	568	0.05	< 0.005	_	570
Parking Lot	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
User Defined Recreation	0.00 nal	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
Other Non-Asph Surfaces	0.00 alt	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
Total	0.05	0.03	0.48	0.40	< 0.005	0.04	_	0.04	0.04	_	0.04	_	568	568	0.05	< 0.005	_	570

Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Refrigera ted Warehou se-No Rail	0.01	< 0.005	0.09	0.07	< 0.005	0.01	_	0.01	0.01	_	0.01	_	94.1	94.1	0.01	< 0.005	_	94.3
Parking Lot	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
User Defined Recreatio	0.00 nal	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
Other Non-Asph Surfaces	0.00 nalt	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
Total	0.01	< 0.005	0.09	0.07	< 0.005	0.01	_	0.01	0.01	_	0.01	_	94.1	94.1	0.01	< 0.005	_	94.3

4.3. Area Emissions by Source

4.3.1. Unmitigated

Source	TOG	ROG		со	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	всо2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Consum er Products	_	7.71	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Architect ural Coatings		1.08	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Landsca pe Equipme nt	2.76	2.55	0.13	15.5	< 0.005	0.03	_	0.03	0.02	_	0.02	_	63.9	63.9	< 0.005	< 0.005	_	64.1

Total	2.76	11.3	0.13	15.5	< 0.005	0.03	_	0.03	0.02	_	0.02	_	63.9	63.9	< 0.005	< 0.005	_	64.1
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Consum er Products	_	7.71	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Architect ural Coatings	_	1.08	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Total	_	8.80	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Consum er Products	_	1.41	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	
Architect ural Coatings	_	0.20	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Landsca pe Equipme nt	0.25	0.23	0.01	1.40	< 0.005	< 0.005	-	< 0.005	< 0.005	_	< 0.005	_	5.22	5.22	< 0.005	< 0.005	_	5.24
Total	0.25	1.83	0.01	1.40	< 0.005	< 0.005	_	< 0.005	< 0.005	_	< 0.005	_	5.22	5.22	< 0.005	< 0.005	_	5.24

4.3.2. Mitigated

Source	TOG	ROG	NOx	со	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Consum er Products	_	7.71	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_

Architect ural	_	1.08	_	-	_	_	_	_	_	_	_	_	_	_	_	_	_	-
Landsca pe Equipme nt	2.76	2.55	0.13	15.5	< 0.005	0.03	_	0.03	0.02	_	0.02	_	63.9	63.9	< 0.005	< 0.005	_	64.1
Total	2.76	11.3	0.13	15.5	< 0.005	0.03	_	0.03	0.02	_	0.02	_	63.9	63.9	< 0.005	< 0.005	_	64.1
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Consum er Products	_	7.71	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Architect ural Coatings	_	1.08	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Total	_	8.80	<u> </u>	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Consum er Products	_	1.41	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Architect ural Coatings	_	0.20	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Landsca pe Equipme nt		0.23	0.01	1.40	< 0.005	< 0.005	-	< 0.005	< 0.005	-	< 0.005	_	5.22	5.22	< 0.005	< 0.005	_	5.24
Total	0.25	1.83	0.01	1.40	< 0.005	< 0.005	_	< 0.005	< 0.005	_	< 0.005	_	5.22	5.22	< 0.005	< 0.005	_	5.24

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

		200	o		200				D140 -=	2110 -2		2000	VID O O O	2007	lau.	No.		000
Land Use	TOG	ROG	NOx	СО	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	_	_	_	_	-	_	_	_	_	_	_	_	-	_	_	_	_	-
Refrigera ted Warehou se-No Rail	_	_	_	_	_	_	-	-	_	_	_	158	312	470	16.3	0.39	_	994
Parking Lot	_	_	_	_	_	_	_	_	_	_	_	0.00	0.00	0.00	0.00	0.00	_	0.00
User Defined Recreation	— nal	_	_	_		_	_	_	_	-	-	0.00	0.00	0.00	0.00	0.00	_	0.00
Other Non-Asph Surfaces	— alt	_	_	_	_	_	_	_	_	_	_	0.00	0.00	0.00	0.00	0.00	_	0.00
Total	_	_	_	_	_	_	_	_	_	_	_	158	312	470	16.3	0.39	_	994
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Refrigera ted Warehou se-No Rail		_	_	_	_	_	_	_	_	_	_	158	312	470	16.3	0.39	_	994
Parking Lot	_	_	_	_	_	_	_	_	_	-	-	0.00	0.00	0.00	0.00	0.00	_	0.00
User Defined Recreation	_ nal	_	_	_	-	_	_	_	_	_	_	0.00	0.00	0.00	0.00	0.00	-	0.00
Other Non-Asph Surfaces	— alt	_	_	_	-	_	_	_	_	_	_	0.00	0.00	0.00	0.00	0.00	_	0.00
Total	_	_	_	_	_	_	_	_	_	_	_	158	312	470	16.3	0.39	_	994

Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Refrigera ted Warehou se-No Rail	_	_	_	_	_	_	_	_		_	_	26.2	51.6	77.8	2.70	0.06	_	165
Parking Lot	_	_	_	_	_	_	_	_	_	_	_	0.00	0.00	0.00	0.00	0.00	_	0.00
User Defined Recreation	— nal	_	_	_	_	_	_	_	_	_	_	0.00	0.00	0.00	0.00	0.00	_	0.00
Other Non-Asph Surfaces	— alt	_	_	_	_	_	_	_	_	_	_	0.00	0.00	0.00	0.00	0.00	_	0.00
Total	_	_	_	_	_	_	_	_	_	_	_	26.2	51.6	77.8	2.70	0.06	_	165

4.4.2. Mitigated

Land Use	TOG	ROG	NOx	СО	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Refrigera ted Warehou se-No Rail	_	_	_	_	_	_	_	_	_	_	_	158	312	470	16.3	0.39	_	994
Parking Lot	_	_	_	_	_	_	_	_	_	_	_	0.00	0.00	0.00	0.00	0.00	_	0.00
User Defined Recreation	— nal	_	_	_	_	_	_	_	_	_	_	0.00	0.00	0.00	0.00	0.00	_	0.00

Other Non-Aspha	— alt	_	_	_	_	_	_	_	_	_	_	0.00	0.00	0.00	0.00	0.00	_	0.00
Surfaces																		
Total	_	_	_	_	_	_	_	_	_	_	_	158	312	470	16.3	0.39	_	994
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Refrigera ted Warehou se-No Rail	_	_		_	_	_	_	_	_	_	_	158	312	470	16.3	0.39	_	994
Parking Lot	_	_	_	_	_	_	_	_	_	_	_	0.00	0.00	0.00	0.00	0.00	_	0.00
User Defined Recreation	— nal	_	_	_	_	_	_	_	_	_	_	0.00	0.00	0.00	0.00	0.00	_	0.00
Other Non-Aspha Surfaces	— alt	_	_	_	_		_	_	-	-	-	0.00	0.00	0.00	0.00	0.00	-	0.00
Total	_	_	_	_	_	_	_	_	_	_	_	158	312	470	16.3	0.39	_	994
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Refrigera ted Warehou se-No Rail	_	_	_	_	_	_	_	_	_	_	_	26.2	51.6	77.8	2.70	0.06	_	165
Parking Lot	_	_	_	_	_	_	_	_	_	_	_	0.00	0.00	0.00	0.00	0.00	_	0.00
User Defined Recreation	— nal	_	_	-	_	_	-	_	_	_	_	0.00	0.00	0.00	0.00	0.00	-	0.00
Other Non-Aspha Surfaces	— alt	_	_	_	_	_	_	_	_	_	_	0.00	0.00	0.00	0.00	0.00	_	0.00
Total	_	_	_	_	_	_	_	_		_	_	26.2	51.6	77.8	2.70	0.06	_	165

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

				ily, ton/yi														
Land Use	TOG	ROG	NOx	СО	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Refrigera ted Warehou se-No Rail	_	_	_	_	_	_	_	_	_	_		181	0.00	181	18.1	0.00	_	633
Parking Lot	_	_	_	_	_	_	_	_	_	_	_	0.00	0.00	0.00	0.00	0.00	_	0.00
User Defined Recreation	— nal	_	_	_	_	_	_	_	_	_	_	0.00	0.00	0.00	0.00	0.00	_	0.00
Other Non-Asph Surfaces	— alt	_	_	_	_	_	_	_	_	_	_	0.00	0.00	0.00	0.00	0.00	_	0.00
Total	_	_	_	_	_	_	_	_	_	_	<u> </u>	181	0.00	181	18.1	0.00	_	633
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Refrigera ted Warehou se-No Rail	_	_	_	_	_	_	_	_	_	_	_	181	0.00	181	18.1	0.00	_	633
Parking Lot	_	_	_	_	_	_	_	_	_	_	_	0.00	0.00	0.00	0.00	0.00	_	0.00

User Defined Recreation	— nal	_	_	_	_	_	_	_	_	_	_	0.00	0.00	0.00	0.00	0.00	_	0.00
Other Non-Asph Surfaces	— alt	_	_	_	_	_	_	_	_	_	_	0.00	0.00	0.00	0.00	0.00	_	0.00
Total	_	_	_	_	_	_	_	_	_	_	_	181	0.00	181	18.1	0.00	_	633
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Refrigera ted Warehou se-No Rail	_	_	_	_	_	_	_	_	_	_	_	30.0	0.00	30.0	3.00	0.00		105
Parking Lot	_	_	_	_	_	_	_	_	_	_	_	0.00	0.00	0.00	0.00	0.00	_	0.00
User Defined Recreation	— nal	_	_	_	_	_	_	_	_	_	_	0.00	0.00	0.00	0.00	0.00	_	0.00
Other Non-Asph Surfaces	— alt	_	_	_	_	_	_	_	_	_	_	0.00	0.00	0.00	0.00	0.00	_	0.00
Total	_	_	_	_	_	_	_	_	_	_	_	30.0	0.00	30.0	3.00	0.00	_	105

4.5.2. Mitigated

Land Use	TOG	ROG	NOx	СО	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Refrigera ted Warehou se-No Rail	_	_	_	_	_	_	_	_	_	_	_	181	0.00	181	18.1	0.00	_	633

Parking Lot	_	_	_	_	_	_	_	_	_	_	_	0.00	0.00	0.00	0.00	0.00	_	0.00
User Defined Recreation	— nal	_	_	_	_	_	_	_	_	_	_	0.00	0.00	0.00	0.00	0.00	_	0.00
Other Non-Asph Surfaces	— alt	_	_	_	_	_	_	_	_	_	_	0.00	0.00	0.00	0.00	0.00	_	0.00
Total	_	_	_	_	_	_	_	_	_	_	_	181	0.00	181	18.1	0.00	_	633
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	-	-	_	_	_	_	_	_
Refrigera ted Warehou se-No Rail	_	_	_	_	_	_	_	_	_	_	_	181	0.00	181	18.1	0.00	_	633
Parking Lot	_	_	_	_	_	_	_	_	_	_	_	0.00	0.00	0.00	0.00	0.00	_	0.00
User Defined Recreation	— nal	_	_	_	_	_	_	_	_	_	_	0.00	0.00	0.00	0.00	0.00	_	0.00
Other Non-Asph Surfaces	— alt	_	_	_	_	_	_	_	_	_	_	0.00	0.00	0.00	0.00	0.00	_	0.00
Total	_	_	_		_	_	_	_	_	_	_	181	0.00	181	18.1	0.00	_	633
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Refrigera ted Warehou se-No Rail	_	_	_	_	_	_	_	_	_	_	_	30.0	0.00	30.0	3.00	0.00	_	105
Parking Lot	_	_	_	_	_	_	_	_	_	_	_	0.00	0.00	0.00	0.00	0.00	_	0.00

User Defined Recreation	— nal	_	_	_	_	_	_	_	_	_	_	0.00	0.00	0.00	0.00	0.00	_	0.00
Other Non-Asph Surfaces	— alt	_	_	_	_	_	_	_	_	_	_	0.00	0.00	0.00	0.00	0.00	_	0.00
Total	_	_	_	_	_	_	_	_	_	_	_	30.0	0.00	30.0	3.00	0.00	_	105

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

			NO		1					DMO ED		D000	NDOOO	ОООТ	0114	Noo	_	000
Land Use	TOG	ROG	NOx	со	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.51	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Refrigera ted Warehou se-No Rail	_	_	_	_	_	_	_			_	_	_	_	_	_	_	9,523	9,523
Total	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	9,523	9,523
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Refrigera ted Warehou se-No Rail	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	9,523	9,523
Total	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	9,523	9,523
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_

Refrigera ted	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	1,577	1,577
Total	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	1,577	1,577

4.6.2. Mitigated

Land Use	TOG	ROG	NOx	СО	SO2					PM2.5D		BCO2	NBCO2	СО2Т	CH4	N2O	R	CO2e
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Refrigera ted Warehou se-No Rail	_	_	_	_	-	_	_	_	_	_	_	_	_	_	_	_	4,431	4,431
Total	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	4,431	4,431
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Refrigera ted Warehou se-No Rail	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	4,431	4,431
Total	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	4,431	4,431
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Refrigera ted Warehou se-No Rail	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	734	734
Total	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	734	734

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

O 1 1 1 O 1 1 O 1		110 (10, 00	.,	.,, , .		aai, aira	000	,,										
Equipme nt Type	тос	ROG	NOx	со	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	СО2Т	CH4	N2O	R	CO2e
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Forklifts	0.56	0.47	4.43	6.25	0.01	0.23	_	0.23	0.22	_	0.22	_	915	915	0.04	0.01	_	_
undefine d	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	918
Total	0.56	0.47	4.43	6.25	0.01	0.23	_	0.23	0.22	_	0.22	_	915	915	0.04	0.01	_	918
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Forklifts	0.56	0.47	4.43	6.25	0.01	0.23	_	0.23	0.22	_	0.22	_	915	915	0.04	0.01	_	_
undefine d	_	_	_	_	_	_	_	_	_	_	-	_	_	_	_	-	_	918
Total	0.56	0.47	4.43	6.25	0.01	0.23	_	0.23	0.22	_	0.22	_	915	915	0.04	0.01	_	918
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Forklifts	0.10	0.09	0.81	1.14	< 0.005	0.04	_	0.04	0.04	_	0.04	_	151	151	0.01	< 0.005	_	_
undefine d	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	152
Total	0.10	0.09	0.81	1.14	< 0.005	0.04	_	0.04	0.04	_	0.04	_	151	151	0.01	< 0.005	_	152

4.7.2. Mitigated

Equipme nt	TOG	ROG	NOx	СО	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	СО2Т	CH4	N2O	R	CO2e
Туре																		
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	
Forklifts	0.56	0.47	4.43	6.25	0.01	0.23	_	0.23	0.22	_	0.22	_	915	915	0.04	0.01	_	_
undefine d	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	918
Total	0.56	0.47	4.43	6.25	0.01	0.23	_	0.23	0.22	_	0.22	_	915	915	0.04	0.01	_	918
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Forklifts	0.56	0.47	4.43	6.25	0.01	0.23	_	0.23	0.22	_	0.22	_	915	915	0.04	0.01	_	_
undefine d	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	918
Total	0.56	0.47	4.43	6.25	0.01	0.23	_	0.23	0.22	_	0.22	_	915	915	0.04	0.01	_	918
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Forklifts	0.10	0.09	0.81	1.14	< 0.005	0.04	_	0.04	0.04	_	0.04	_	151	151	0.01	< 0.005	_	_
undefine d	_	-	-	-	_	_	-	_	_	_	-	-	_	-	-	-	-	152
Total	0.10	0.09	0.81	1.14	< 0.005	0.04	_	0.04	0.04	_	0.04	_	151	151	0.01	< 0.005	_	152

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

			,	J, J-					,									
Equipme	TOG	ROG	NOx	со	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
nt																		
Туре																		

Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Emergen cy Generato r	1.44	1.31	5.56	5.02	0.01	0.38	0.00	0.38	0.38	0.00	0.38	0.00	672	672	0.03	0.01	0.00	0.00
Fire Pump	1.44	1.31	5.56	5.02	0.01	0.38	0.00	0.38	0.38	0.00	0.38	0.00	672	672	0.03	0.01	0.00	0.00
undefine d	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	1,348
Total	2.89	2.63	11.1	10.0	0.01	0.77	0.00	0.77	0.77	0.00	0.77	0.00	1,343	1,343	0.05	0.01	0.00	1,348
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	-
Emergen cy Generato r	1.44	1.31	5.56	5.02	0.01	0.38	0.00	0.38	0.38	0.00	0.38	0.00	672	672	0.03	0.01	0.00	0.00
Fire Pump	1.44	1.31	5.56	5.02	0.01	0.38	0.00	0.38	0.38	0.00	0.38	0.00	672	672	0.03	0.01	0.00	0.00
undefine d	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	1,348
Total	2.89	2.63	11.1	10.0	0.01	0.77	0.00	0.77	0.77	0.00	0.77	0.00	1,343	1,343	0.05	0.01	0.00	1,348
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Emergen cy Generato r	0.02	0.02	0.07	0.06	< 0.005	< 0.005	0.00	< 0.005	< 0.005	0.00	< 0.005	0.00	7.62	7.62	< 0.005	< 0.005	0.00	0.00
Fire Pump	0.02	0.02	0.07	0.06	< 0.005	< 0.005	0.00	< 0.005	< 0.005	0.00	< 0.005	0.00	7.62	7.62	< 0.005	< 0.005	0.00	0.00
undefine d	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	15.3
Total	0.04	0.03	0.14	0.13	< 0.005	0.01	0.00	0.01	0.01	0.00	0.01	0.00	15.2	15.2	< 0.005	< 0.005	0.00	15.3

4.8.2. Mitigated

Equipme nt Type		ROG	NOx	СО	SO2	PM10E	PM10D	PM10T		PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Emergen cy Generato r		1.31	5.56	5.02	0.01	0.38	0.00	0.38	0.38	0.00	0.38	0.00	672	672	0.03	0.01	0.00	0.00
Fire Pump	1.44	1.31	5.56	5.02	0.01	0.38	0.00	0.38	0.38	0.00	0.38	0.00	672	672	0.03	0.01	0.00	0.00
undefine d	_	_	-	-	_	_	-	_	-	-	-	_	_	_	_	_	_	1,348
Total	2.89	2.63	11.1	10.0	0.01	0.77	0.00	0.77	0.77	0.00	0.77	0.00	1,343	1,343	0.05	0.01	0.00	1,348
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Emergen cy Generato r		1.31	5.56	5.02	0.01	0.38	0.00	0.38	0.38	0.00	0.38	0.00	672	672	0.03	0.01	0.00	0.00
Fire Pump	1.44	1.31	5.56	5.02	0.01	0.38	0.00	0.38	0.38	0.00	0.38	0.00	672	672	0.03	0.01	0.00	0.00
undefine d	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	1,348
Total	2.89	2.63	11.1	10.0	0.01	0.77	0.00	0.77	0.77	0.00	0.77	0.00	1,343	1,343	0.05	0.01	0.00	1,348
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Emergen cy Generato r		0.02	0.07	0.06	< 0.005	< 0.005	0.00	< 0.005	< 0.005	0.00	< 0.005	0.00	7.62	7.62	< 0.005	< 0.005	0.00	0.00

Fire Pump	0.02	0.02	0.07	0.06	< 0.005	< 0.005	0.00	< 0.005	< 0.005	0.00	< 0.005	0.00	7.62	7.62	< 0.005	< 0.005	0.00	0.00
undefine d	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	15.3
Total	0.04	0.03	0.14	0.13	< 0.005	0.01	0.00	0.01	0.01	0.00	0.01	0.00	15.2	15.2	< 0.005	< 0.005	0.00	15.3

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

				<i>,</i>														
Equipme nt Type	TOG	ROG	NOx	со	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Total	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Daily, Winter (Max)	_	_	_	_	_	_	_	_		_	_	_	_	_	_	_	_	_
Total	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Total	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_

4.9.2. Mitigated

Equipme	TOG	ROG	NOx	со	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
nt																		
Туре																		
Daily,	_	_	-	_	_	-	-	_	_	_	_	_	_	_	_	_	_	_
Summer																		
(Max)																		

Total	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Total	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Total	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Cinteria		(1.07 0.0.)		i i	i e													
Vegetatio n	TOG	ROG	NOx	со	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Total	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Total	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Total	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Land	то	OG	ROG	NOx	СО	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Use																			

Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Total	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Total	_	_	_	_	_	_	<u> </u>	_	<u> </u>	<u> </u>	_	_	_	<u> </u>	_	_	<u> </u>	_
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Total	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Species	TOG	ROG	NOx	СО	SO2	PM10E	PM10D	PM10T		PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	_	_	-	-	_	_	_	_	_	_	_	_	_	_	_	_	_	-
Avoided	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Subtotal	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Sequest ered	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Subtotal	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Remove d	_	_	_	_	_	_	_	-	_	_	_	_	_	_	_	_	_	_
Subtotal	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Avoided	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Subtotal	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_

Sequest	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Subtotal	_	_	_	_	_	_	_	_	_	_	_	_		_	_	_	_	_
Remove d	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Subtotal	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Avoided	_	_	_	_	_	_	_	_	_	_	_	_		_	_	_	_	_
Subtotal	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_		_
Sequest ered	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Subtotal	_	_	_	_	_	_	<u> </u>	_	_	_	_	_	_	_	_	_	_	_
Remove d	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Subtotal	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

Vegetatio n		ROG								PM2.5D		BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Total	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Total	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_

-	F- 4 - 1																	
. []		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	 _

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG				PM10E				PM2.5D		BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Total	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Total	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Total	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

Species	TOG	ROG		со	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	_	_	_	_	_	_		_	_	_	_	_	_	_	_	_	_	_
Avoided	_	_	_	_	_	_		_	_	_	_	_	_	_	_	_	_	_
Subtotal	_		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Sequest ered	_	_	_	_	_	_		_	_	_	_	_	_	_	_	_	_	_
Subtotal	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Remove d	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_

Subtotal	_	_	_	_	_	_	_	_	<u> </u>	_	_	_	_	_	_	_	_	_
_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Avoided	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Subtotal	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Sequest ered	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Subtotal		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Remove d	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Subtotal	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Avoided	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Subtotal	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Sequest ered	_	_	_	_	_	_	_	_	_	_	_	_		_	_	_	_	_
Subtotal	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Remove d	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Subtotal	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_

5. Activity Data

5.1. Construction Schedule

and the second second		0		S		
Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description

Grading	Grading	7/1/2024	7/12/2024	5.00	10.0	_
Building Construction	Building Construction	7/13/2024	12/4/2024	5.00	103	_
Paving	Paving	12/5/2024	12/17/2024	5.00	9.00	_
Architectural Coating	Architectural Coating	12/18/2024	12/30/2024	5.00	9.00	_

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Grading	Graders	Diesel	Average	1.00	8.00	148	0.41
Grading	Scrapers	Diesel	Average	2.00	8.00	423	0.48
Grading	Tractors/Loaders/Backh oes	Diesel	Average	2.00	8.00	84.0	0.37
Building Construction	Cranes	Diesel	Average	1.00	7.00	367	0.29
Building Construction	Forklifts	Diesel	Average	3.00	8.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Building Construction	Tractors/Loaders/Backh oes	Diesel	Average	3.00	7.00	84.0	0.37
Building Construction	Welders	Diesel	Average	1.00	8.00	46.0	0.45
Paving	Pavers	Diesel	Average	2.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Average	2.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
Architectural Coating	Air Compressors	Diesel	Average	1.00	6.00	37.0	0.48

5.2.2. Mitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Grading	Graders	Diesel	Tier 4 Final	1.00	8.00	148	0.41
Grading	Scrapers	Diesel	Tier 4 Final	2.00	8.00	423	0.48

Grading	Tractors/Loaders/Backh	Diesel	Tier 4 Final	2.00	8.00	84.0	0.37
Building Construction	Cranes	Diesel	Tier 4 Final	1.00	7.00	367	0.29
Building Construction	Forklifts	Diesel	Tier 4 Final	3.00	8.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Building Construction	Tractors/Loaders/Backh oes	Diesel	Tier 4 Final	3.00	7.00	84.0	0.37
Building Construction	Welders	Diesel	Average	1.00	8.00	46.0	0.45
Paving	Pavers	Diesel	Tier 4 Final	2.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Tier 4 Final	2.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
Architectural Coating	Air Compressors	Diesel	Average	1.00	6.00	37.0	0.48

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Grading	_	_	_	_
Grading	Worker	12.5	11.7	LDA,LDT1,LDT2
Grading	Vendor	4.00	8.40	HHDT,MHDT
Grading	Hauling	0.00	20.0	HHDT
Grading	Onsite truck	_	_	HHDT
Building Construction	_	_	_	_
Building Construction	Worker	150	11.7	LDA,LDT1,LDT2
Building Construction	Vendor	58.6	8.40	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	_	_	HHDT
Paving	_	_	_	_
Paving	Worker	15.0	11.7	LDA,LDT1,LDT2

Paving	Vendor	_	8.40	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	_	_	HHDT
Architectural Coating	_	_	_	_
Architectural Coating	Worker	30.0	11.7	LDA,LDT1,LDT2
Architectural Coating	Vendor	_	8.40	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	_	_	HHDT

5.3.2. Mitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Grading	_	_	_	_
Grading	Worker	12.5	11.7	LDA,LDT1,LDT2
Grading	Vendor	4.00	8.40	HHDT,MHDT
Grading	Hauling	0.00	20.0	HHDT
Grading	Onsite truck	_	_	HHDT
Building Construction	_	_	_	_
Building Construction	Worker	150	11.7	LDA,LDT1,LDT2
Building Construction	Vendor	58.6	8.40	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	_	_	HHDT
Paving	_	_	_	_
Paving	Worker	15.0	11.7	LDA,LDT1,LDT2
Paving	Vendor	_	8.40	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	_	_	HHDT
Architectural Coating	_	_	_	_

Architectural Coating	Worker	30.0	11.7	LDA,LDT1,LDT2
Architectural Coating	Vendor	_	8.40	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	_	_	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	0.00	0.00	535,992	178,664	49,831

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (Cubic Yards)	Material Exported (Cubic Yards)	Acres Graded (acres)	Material Demolished (sq. ft.)	Acres Paved (acres)
Grading	0.00	0.00	25.0	0.00	_
Paving	0.00	0.00	0.00	0.00	19.1

5.6.2. Construction Earthmoving Control Strategies

Non-applicable. No control strategies activated by user.

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Refrigerated Warehouse-No Rail	0.00	0%

Parking Lot	12.9	100%
User Defined Recreational	0.00	0%
Other Non-Asphalt Surfaces	6.19	0%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2024	0.00	204	0.03	< 0.005

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Refrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
User Defined Recreational	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

5.9.2. Mitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Refrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
User Defined Recreational	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Other Non-Asphalt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Surfaces								

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

5.10.1.2. Mitigated

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
0	0.00	535,992	178,664	49,831

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	180

5.10.4. Landscape Equipment - Mitigated

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	180

5.11. Operational Energy Consumption

5.11.1. Unmitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Refrigerated Warehouse-No Rail	8,742,845	204	0.0330	0.0040	1,772,764
Parking Lot	491,338	204	0.0330	0.0040	0.00
User Defined Recreational	0.00	204	0.0330	0.0040	0.00
Other Non-Asphalt Surfaces	0.00	204	0.0330	0.0040	0.00

5.11.2. Mitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Refrigerated Warehouse-No Rail	8,742,845	204	0.0330	0.0040	1,772,764
Parking Lot	491,338	204	0.0330	0.0040	0.00
User Defined Recreational	0.00	204	0.0330	0.0040	0.00
Other Non-Asphalt Surfaces	0.00	204	0.0330	0.0040	0.00

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Refrigerated Warehouse-No Rail	82,632,100	4,524,631
Parking Lot	0.00	0.00
User Defined Recreational	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00

5.12.2. Mitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Refrigerated Warehouse-No Rail	82,632,100	4,524,631
Parking Lot	0.00	0.00
User Defined Recreational	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Refrigerated Warehouse-No Rail	336	_
Parking Lot	0.00	_
User Defined Recreational	0.00	_
Other Non-Asphalt Surfaces	0.00	_

5.13.2. Mitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Refrigerated Warehouse-No Rail	336	_
Parking Lot	0.00	_
User Defined Recreational	0.00	_
Other Non-Asphalt Surfaces	0.00	_

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use Type E	Equipment Type	Refrigerant	CMD	Quantity (kg)	Operations Leak Rate	Sorvice Leak Date	Times Serviced
Land Use Type	rquipinent type	Remgerant	GWF	Quantity (kg)	Operations Leak Nate	Service Leak Nate	Tillies Serviced

Refrigerated	Cold storage	R-404A	3,922	7.50	7.50	7.50	25.0
Warehouse-No Rail							

5.14.2. Mitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Refrigerated Warehouse-No Rail	Cold storage	R-407F	1,825	7.50	7.50	7.50	25.0

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Forklifts	Diesel	Average	6.00	8.00	82.0	0.20

5.15.2. Mitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Forklifts	Diesel	Average	6.00	8.00	82.0	0.20

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

Equipment Type	Fuel Type	Number per Day	Hours per Day	Hours per Year	Horsepower	Load Factor
Emergency Generator	Diesel	2.00	4.00	100	50.0	0.73
Fire Pump	Diesel	2.00	4.00	100	50.0	0.73

5.16.2. Process Boilers

Equipment Type	Fuel Type	Number	Boiler Rating (MMBtu/hr)	Daily Heat Input (MMBtu/day)	Annual Heat Input (MMBtu/yr)

5.17. User Defined

Fuel Type **Equipment Type** 5.18. Vegetation 5.18.1. Land Use Change 5.18.1.1. Unmitigated Vegetation Land Use Type Vegetation Soil Type **Initial Acres** Final Acres 5.18.1.2. Mitigated Vegetation Land Use Type Vegetation Soil Type **Initial Acres** Final Acres 5.18.1. Biomass Cover Type 5.18.1.1. Unmitigated Biomass Cover Type Final Acres Initial Acres 5.18.1.2. Mitigated Biomass Cover Type Initial Acres Final Acres 5.18.2. Sequestration 5.18.2.1. Unmitigated Tree Type Number Electricity Saved (kWh/year) Natural Gas Saved (btu/year)

5.18.2.2. Mitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)
2.1 21 2	1 11		

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	19.0	annual days of extreme heat
Extreme Precipitation	4.95	annual days with precipitation above 20 mm
Sea Level Rise	0.00	meters of inundation depth
Wildfire	0.00	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider different increments of sea level rise coupled with extreme storm events. Users may select from four model simulations to view the range in potential inundation depth for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 50 meters (m) by 50 m, or about 164 feet (ft) by 164 ft.

Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	N/A	N/A	N/A	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A

Wildfire	N/A	N/A	N/A	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	N/A	N/A	N/A	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.

The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.

The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	N/A	N/A	N/A	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	N/A	N/A	N/A	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.

The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.

The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.		
Indicator	Result for Project Census Tract	
Exposure Indicators	_	
AQ-Ozone	22.2	
AQ-PM	27.0	
AQ-DPM	37.4	
Drinking Water	37.4	
Lead Risk Housing	64.3	
Pesticides	64.0	
Toxic Releases	59.0	
Traffic	59.3	
Effect Indicators		
CleanUp Sites	0.00	
Groundwater	86.3	
Haz Waste Facilities/Generators	88.1	
Impaired Water Bodies	58.7	
Solid Waste	52.9	
Sensitive Population	_	
Asthma	95.3	
Cardio-vascular	67.9	
Low Birth Weights	92.7	
Socioeconomic Factor Indicators	_	
Education	75.7	
Housing	62.4	
Linguistic	79.0	
Poverty	64.0	

Unemployment	33 6
Unemployment	33.6

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier co	
Indicator	Result for Project Census Tract
Economic	_
Above Poverty	27.48620557
Employed	12.39573977
Median HI	28.30745541
Education	_
Bachelor's or higher	21.46798409
High school enrollment	6.210701912
Preschool enrollment	14.35904016
Transportation	_
Auto Access	16.74579751
Active commuting	52.20069293
Social	_
2-parent households	27.53753368
Voting	30.6685487
Neighborhood	_
Alcohol availability	49.62145515
Park access	62.53047607
Retail density	36.41729757
Supermarket access	32.42653664
Tree canopy	69.11330681
Housing	_
Homeownership	31.38714231

Housing habitability	40.75452329
Low-inc homeowner severe housing cost burden	63.7495188
Low-inc renter severe housing cost burden	28.85923264
Uncrowded housing	30.12960349
Health Outcomes	_
Insured adults	34.83895804
Arthritis	33.8
Asthma ER Admissions	7.2
High Blood Pressure	31.6
Cancer (excluding skin)	63.4
Asthma	18.0
Coronary Heart Disease	51.0
Chronic Obstructive Pulmonary Disease	25.1
Diagnosed Diabetes	36.9
Life Expectancy at Birth	26.7
Cognitively Disabled	33.5
Physically Disabled	45.1
Heart Attack ER Admissions	18.8
Mental Health Not Good	25.4
Chronic Kidney Disease	45.1
Obesity	20.7
Pedestrian Injuries	83.2
Physical Health Not Good	31.5
Stroke	34.3
Health Risk Behaviors	_
Binge Drinking	48.9
Current Smoker	20.2

No Leisure Time for Physical Activity	33.2
Climate Change Exposures	_
Wildfire Risk	0.0
SLR Inundation Area	40.9
Children	37.8
Elderly	74.7
English Speaking	34.0
Foreign-born	62.2
Outdoor Workers	13.3
Climate Change Adaptive Capacity	_
Impervious Surface Cover	39.1
Traffic Density	54.7
Traffic Access	56.6
Other Indices	_
Hardship	70.9
Other Decision Support	_
2016 Voting	32.5

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	84.0
Healthy Places Index Score for Project Location (b)	16.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	No
Project Located in a Low-Income Community (Assembly Bill 1550)	Yes
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Land Use	Reduced Footprint development for Planning Area 1 (Buildings A & B and related infrastructure).
Construction: Construction Phases	Anticipated 6-month duration for fine grading, building construction, paving and arch coatings for Buildings A & B.
Construction: Off-Road Equipment	Removed excavator and dozer from grading, as this is the fine grading phase - site prep and rough grading is planned for the whole development area as Phase 1 prior to this phase.
Operations: Vehicle Data	Mobile emissions calculated outside of CalEEMod with project-specific traffic study and EMFAC.
Operations: Off-Road Equipment	Assumed 365 days operation per year.

Reduced Footprint Hwy 12 Logistics Center - Construction + Ops Bldg C Detailed Report

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1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Reduced Footprint Hwy 12 Logistics Center - Construction + Ops Bldg C
Construction Start Date	1/1/2025
Operational Year	2025
Lead Agency	
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	5.70
Precipitation (days)	39.2
Location	38.23614250677295, -122.05384919416963
County	Solano-San Francisco
City	Suisun City
Air District	Bay Area AQMD
Air Basin	San Francisco Bay Area
TAZ	856
EDFZ	4
Electric Utility	Pacific Gas & Electric Company
Gas Utility	Pacific Gas & Electric
App Version	2022.1.1.18

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq.	Special Landscape	Population	Description
	0.23	J	_otribioago	_ aaga. (04)	_aassaps		. opaianon	
					lft)	Area (sq ft)		

Refrigerated Warehouse-No Rail	172	1000sqft	7.61	172,380	159,025	0.00	_	_
Parking Lot	3.89	Acre	3.89	0.00	0.00	0.00	_	_
User Defined Recreational	0.44	User Defined Unit	0.44	0.00	0.00	0.00	_	_
Other Non-Asphalt Surfaces	2.98	Acre	2.98	0.00	0.00	0.00	_	_

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Construction	C-2*	Limit Heavy-Duty Diesel Vehicle Idling
Construction	C-5	Use Advanced Engine Tiers
Construction	C-10-A	Water Exposed Surfaces
Construction	C-13	Use Low-VOC Paints for Construction
Refrigerants	R-1	Use Alternative Refrigerants Instead of High-GWP Refrigerants

^{*} Qualitative or supporting measure. Emission reductions not included in the mitigated emissions results.

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

Un/Mit.	TOG	ROG	NOx	со	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Unmit.	1.71	269	11.6	16.4	0.03	0.44	0.80	1.24	0.41	0.20	0.60	_	3,801	3,801	0.13	0.15	4.69	3,855
Mit.	0.90	120	4.33	18.3	0.03	0.12	0.80	0.92	0.12	0.20	0.31	_	3,801	3,801	0.13	0.15	4.69	3,855
% Reduced	47%	55%	63%	-12%	_	72%	_	26%	71%	_	48%	_	_	_	_	_	_	_

Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_		_	_	_
Unmit.	3.89	3.27	29.9	29.1	0.06	1.24	9.40	10.6	1.14	3.70	4.84	_	6,871	6,871	0.28	0.15	0.12	6,901
Mit.	0.87	0.77	4.64	36.1	0.06	0.13	2.59	2.71	0.13	1.00	1.12	_	6,871	6,871	0.28	0.15	0.12	6,901
% Reduced	78%	76%	84%	-24%	_	90%	72%	74%	89%	73%	77%	_	_	_	_	_	_	_
Average Daily (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Unmit.	0.61	5.70	4.34	5.62	0.01	0.17	0.49	0.65	0.16	0.16	0.31	-	1,306	1,306	0.05	0.05	0.60	1,322
Mit.	0.28	2.58	1.46	6.38	0.01	0.04	0.30	0.34	0.04	0.08	0.12	_	1,306	1,306	0.05	0.05	0.60	1,322
% Reduced	54%	55%	66%	-14%	_	75%	38%	48%	74%	47%	61%	_	_	_	_	_	_	_
Annual (Max)	_	_	_	_	_	_	_	-	_	_	_	-	_	_	-	_	_	_
Unmit.	0.11	1.04	0.79	1.02	< 0.005	0.03	0.09	0.12	0.03	0.03	0.06	_	216	216	0.01	0.01	0.10	219
Mit.	0.05	0.47	0.27	1.16	< 0.005	0.01	0.05	0.06	0.01	0.02	0.02	_	216	216	0.01	0.01	0.10	219
% Reduced	54%	55%	66%	-14%	_	75%	38%	48%	74%	47%	61%	-	_	_	_	-	_	-

2.2. Construction Emissions by Year, Unmitigated

Year	TOG	ROG	NOx	со	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
2025	1.71	269	11.6	16.4	0.03	0.44	0.80	1.24	0.41	0.20	0.60	_	3,801	3,801	0.13	0.15	4.69	3,855
Daily - Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
2025	3.89	3.27	29.9	29.1	0.06	1.24	9.40	10.6	1.14	3.70	4.84	-	6,871	6,871	0.28	0.15	0.12	6,901

Average Daily	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
2025	0.61	5.70	4.34	5.62	0.01	0.17	0.49	0.65	0.16	0.16	0.31	_	1,306	1,306	0.05	0.05	0.60	1,322
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
2025	0.11	1.04	0.79	1.02	< 0.005	0.03	0.09	0.12	0.03	0.03	0.06	_	216	216	0.01	0.01	0.10	219

2.3. Construction Emissions by Year, Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	со	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
2025	0.90	120	4.33	18.3	0.03	0.12	0.80	0.92	0.12	0.20	0.31	_	3,801	3,801	0.13	0.15	4.69	3,855
Daily - Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
2025	0.87	0.77	4.64	36.1	0.06	0.13	2.59	2.71	0.13	1.00	1.12	_	6,871	6,871	0.28	0.15	0.12	6,901
Average Daily	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
2025	0.28	2.58	1.46	6.38	0.01	0.04	0.30	0.34	0.04	0.08	0.12	_	1,306	1,306	0.05	0.05	0.60	1,322
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
2025	0.05	0.47	0.27	1.16	< 0.005	0.01	0.05	0.06	0.01	0.02	0.02	_	216	216	0.01	0.01	0.10	219

2.4. Operations Emissions Compared Against Thresholds

Un/Mit.	TOG	ROG	NOx	со	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Unmit.	3.38	7.17	16.1	29.9	0.03	0.89	0.00	0.89	0.82	0.00	0.82	164	6,130	6,294	17.1	0.26	4,594	11,395

Mit.	3.38	7.17	16.1	29.9	0.03	0.89	0.00	0.89	0.82	0.00	0.82	164	6,130	6,294	17.1	0.26	2,138	8,938
% Reduced	_	_	_	_	_	_	_	_	_	_	_	_		_	_	_	53%	22%
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	
Unmit.	2.05	5.94	16.1	22.4	0.03	0.88	0.00	0.88	0.81	0.00	0.81	164	6,099	6,263	17.1	0.26	4,594	11,364
Mit.	2.05	5.94	16.1	22.4	0.03	0.88	0.00	0.88	0.81	0.00	0.81	164	6,099	6,263	17.1	0.26	2,138	8,907
% Reduced	_	_	_	_	_	_	_	_	_	_	_		_	_	_	_	53%	22%
Average Daily (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Unmit.	2.64	6.49	15.8	25.8	0.03	0.85	0.00	0.85	0.78	0.00	0.78	164	6,083	6,247	17.1	0.26	4,594	11,348
Mit.	2.64	6.49	15.8	25.8	0.03	0.85	0.00	0.85	0.78	0.00	0.78	164	6,083	6,247	17.1	0.26	2,138	8,891
% Reduced	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	53%	22%
Annual (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Unmit.	0.48	1.18	2.88	4.70	0.01	0.15	0.00	0.15	0.14	0.00	0.14	27.1	1,007	1,034	2.84	0.04	761	1,879
Mit.	0.48	1.18	2.88	4.70	0.01	0.15	0.00	0.15	0.14	0.00	0.14	27.1	1,007	1,034	2.84	0.04	354	1,472
% Reduced	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	53%	22%

2.5. Operations Emissions by Sector, Unmitigated

Sector	TOG	ROG	NOx	со	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Mobile	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	0.00

Area	1.33	5.46	0.06	7.50	< 0.005	0.01	_	0.01	0.01	_	0.01	_	30.8	30.8	< 0.005	< 0.005	_	30.9
Energy	0.03	0.01	0.23	0.19	< 0.005	0.02	_	0.02	0.02	_	0.02	_	2,714	2,714	0.42	0.05	_	2,739
Water	_	_	_	-	_	_	_	_	_	_	_	76.4	150	226	7.86	0.19	_	479
Waste	_	_	_	-	_	_	_	_	_	_	_	87.3	0.00	87.3	8.73	0.00	_	306
Refrig.	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	4,594	4,594
Off-Road	1.95	1.64	15.5	21.9	0.03	0.82	_	0.82	0.75	_	0.75	_	3,202	3,202	0.13	0.03	_	3,213
Stationar y	0.07	0.07	0.34	0.38	< 0.005	0.04	0.00	0.04	0.04	0.00	0.04	0.00	33.6	33.6	< 0.005	< 0.005	0.00	33.7
Total	3.38	7.17	16.1	29.9	0.03	0.89	0.00	0.89	0.82	0.00	0.82	164	6,130	6,294	17.1	0.26	4,594	11,395
Daily, Winter (Max)	_	_	_	_	_	_	_	-	_	_	_	_	_	_	_	_	_	_
Mobile	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	0.00
Area	_	4.23	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Energy	0.03	0.01	0.23	0.19	< 0.005	0.02	_	0.02	0.02	_	0.02	_	2,714	2,714	0.42	0.05	_	2,739
Water	_	_	_	_	_	_	_	_	_	_	_	76.4	150	226	7.86	0.19	_	479
Waste	_	_	_	_	_	_	_	_	_	_	_	87.3	0.00	87.3	8.73	0.00	_	306
Refrig.	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	4,594	4,594
Off-Road	1.95	1.64	15.5	21.9	0.03	0.82	_	0.82	0.75	_	0.75	_	3,202	3,202	0.13	0.03	_	3,213
Stationar y	0.07	0.07	0.34	0.38	< 0.005	0.04	0.00	0.04	0.04	0.00	0.04	0.00	33.6	33.6	< 0.005	< 0.005	0.00	33.7
Total	2.05	5.94	16.1	22.4	0.03	0.88	0.00	0.88	0.81	0.00	0.81	164	6,099	6,263	17.1	0.26	4,594	11,364
Average Daily	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	-	_	_
Mobile	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	0.00
Area	0.66	4.83	0.03	3.70	< 0.005	0.01	_	0.01	< 0.005	_	< 0.005	_	15.2	15.2	< 0.005	< 0.005	_	15.3
Energy	0.03	0.01	0.23	0.19	< 0.005	0.02	_	0.02	0.02	_	0.02	_	2,714	2,714	0.42	0.05	_	2,739
Water	_	_	_	_	_	_	_	_	_	_	_	76.4	150	226	7.86	0.19	_	479
Waste		_	_	_	_	_	_		_	_	_	87.3	0.00	87.3	8.73	0.00	_	306

Refrig.	_	_		_	_	_	_	_	_	_	-	_	-	-	_		4,594	4,594
Off-Road	1.95	1.64	15.5	21.9	0.03	0.82	_	0.82	0.75	_	0.75	_	3,202	3,202	0.13	0.03	_	3,213
Stationar y	< 0.005	< 0.005	0.02	0.03	< 0.005	< 0.005	0.00	< 0.005	< 0.005	0.00	< 0.005	0.00	2.30	2.30	< 0.005	< 0.005	0.00	2.31
Total	2.64	6.49	15.8	25.8	0.03	0.85	0.00	0.85	0.78	0.00	0.78	164	6,083	6,247	17.1	0.26	4,594	11,348
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Mobile	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	0.00
Area	0.12	0.88	0.01	0.67	< 0.005	< 0.005	_	< 0.005	< 0.005	_	< 0.005	_	2.52	2.52	< 0.005	< 0.005	_	2.53
Energy	< 0.005	< 0.005	0.04	0.04	< 0.005	< 0.005	_	< 0.005	< 0.005	_	< 0.005	_	449	449	0.07	0.01	_	453
Water	_	_	_	_	_	_	_	_	_	_	_	12.6	24.8	37.4	1.30	0.03	_	79.3
Waste	_	_	_	_	_	_	_	_	_	_	_	14.5	0.00	14.5	1.45	0.00	_	50.6
Refrig.	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	761	761
Off-Road	0.36	0.30	2.83	3.99	0.01	0.15	_	0.15	0.14	_	0.14	_	530	530	0.02	< 0.005	_	532
Stationar y	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.00	< 0.005	< 0.005	0.00	< 0.005	0.00	0.38	0.38	< 0.005	< 0.005	0.00	0.38
Total	0.48	1.18	2.88	4.70	0.01	0.15	0.00	0.15	0.14	0.00	0.14	27.1	1,007	1,034	2.84	0.04	761	1,879

2.6. Operations Emissions by Sector, Mitigated

Sector	TOG	ROG	NOx	со	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Mobile	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	0.00
Area	1.33	5.46	0.06	7.50	< 0.005	0.01	_	0.01	0.01	_	0.01	_	30.8	30.8	< 0.005	< 0.005	_	30.9
Energy	0.03	0.01	0.23	0.19	< 0.005	0.02	_	0.02	0.02	_	0.02	_	2,714	2,714	0.42	0.05	_	2,739
Water	_	_	_	_	_	_	_	_	_	_	_	76.4	150	226	7.86	0.19	_	479
Waste	_	_	_	_	_	_	_	_	_	_	_	87.3	0.00	87.3	8.73	0.00	_	306
Refrig.	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	2,138	2,138

Off-Road	1.95	1.64	15.5	21.9	0.03	0.82	_	0.82	0.75	_	0.75	_	3,202	3,202	0.13	0.03	_	3,213
Stationar y	0.07	0.07	0.34	0.38	< 0.005	0.04	0.00	0.04	0.04	0.00	0.04	0.00	33.6	33.6	< 0.005	< 0.005	0.00	33.7
Total	3.38	7.17	16.1	29.9	0.03	0.89	0.00	0.89	0.82	0.00	0.82	164	6,130	6,294	17.1	0.26	2,138	8,938
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Mobile	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	0.00
Area	_	4.23	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Energy	0.03	0.01	0.23	0.19	< 0.005	0.02	_	0.02	0.02	_	0.02	_	2,714	2,714	0.42	0.05	_	2,739
Water	_	_	_	_	_	_	_	_	_	_	_	76.4	150	226	7.86	0.19	_	479
Waste	_	_	_	_	_	_	_	_	_	_	_	87.3	0.00	87.3	8.73	0.00	_	306
Refrig.	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	2,138	2,138
Off-Road	1.95	1.64	15.5	21.9	0.03	0.82	_	0.82	0.75	_	0.75	_	3,202	3,202	0.13	0.03	_	3,213
Stationar y	0.07	0.07	0.34	0.38	< 0.005	0.04	0.00	0.04	0.04	0.00	0.04	0.00	33.6	33.6	< 0.005	< 0.005	0.00	33.7
Total	2.05	5.94	16.1	22.4	0.03	0.88	0.00	0.88	0.81	0.00	0.81	164	6,099	6,263	17.1	0.26	2,138	8,907
Average Daily	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Mobile	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	0.00
Area	0.66	4.83	0.03	3.70	< 0.005	0.01	_	0.01	< 0.005	_	< 0.005	_	15.2	15.2	< 0.005	< 0.005	_	15.3
Energy	0.03	0.01	0.23	0.19	< 0.005	0.02	_	0.02	0.02	_	0.02	_	2,714	2,714	0.42	0.05	_	2,739
Water	_	_	_	_	_	_	_	_	_	_	_	76.4	150	226	7.86	0.19	_	479
Waste	_	_	_	_	_	_	_	_	_	_	_	87.3	0.00	87.3	8.73	0.00	_	306
Refrig.	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	2,138	2,138
Off-Road	1.95	1.64	15.5	21.9	0.03	0.82	_	0.82	0.75	_	0.75	_	3,202	3,202	0.13	0.03	_	3,213
Stationar y	< 0.005	< 0.005	0.02	0.03	< 0.005	< 0.005	0.00	< 0.005	< 0.005	0.00	< 0.005	0.00	2.30	2.30	< 0.005	< 0.005	0.00	2.31
Total	2.64	6.49	15.8	25.8	0.03	0.85	0.00	0.85	0.78	0.00	0.78	164	6,083	6,247	17.1	0.26	2,138	8,891
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_

Mobile	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	0.00
Area	0.12	0.88	0.01	0.67	< 0.005	< 0.005	_	< 0.005	< 0.005	_	< 0.005	_	2.52	2.52	< 0.005	< 0.005	_	2.53
Energy	< 0.005	< 0.005	0.04	0.04	< 0.005	< 0.005	_	< 0.005	< 0.005	_	< 0.005	_	449	449	0.07	0.01	_	453
Water	_	_	_	_	_	_	_	_	_	_	_	12.6	24.8	37.4	1.30	0.03	_	79.3
Waste	_	_	_	_	_	_	_	_	_	_	_	14.5	0.00	14.5	1.45	0.00	_	50.6
Refrig.	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	354	354
Off-Road	0.36	0.30	2.83	3.99	0.01	0.15	_	0.15	0.14	_	0.14	_	530	530	0.02	< 0.005	_	532
Stationar y	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.00	< 0.005	< 0.005	0.00	< 0.005	0.00	0.38	0.38	< 0.005	< 0.005	0.00	0.38
Total	0.48	1.18	2.88	4.70	0.01	0.15	0.00	0.15	0.14	0.00	0.14	27.1	1,007	1,034	2.84	0.04	354	1,472

3. Construction Emissions Details

3.1. Grading (2025) - Unmitigated

Location	TOG	ROG	NOx	со	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Off-Road Equipmen		3.20	29.7	28.3	0.06	1.23	_	1.23	1.14	_	1.14	_	6,599	6,599	0.27	0.05	_	6,622
Dust From Material Movemen	_	_	_	_	_	_	9.20	9.20	_	3.65	3.65	_	_	_	_	_	_	_
Onsite truck	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	_

Average Daily	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Off-Road Equipmen		0.09	0.81	0.78	< 0.005	0.03	_	0.03	0.03	_	0.03	_	181	181	0.01	< 0.005	_	181
Dust From Material Movemen	_	_	_	_	_	_	0.25	0.25	_	0.10	0.10	_	_	_	_	_	_	_
Onsite truck	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	_
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Off-Road Equipmen		0.02	0.15	0.14	< 0.005	0.01	_	0.01	0.01	_	0.01	-	29.9	29.9	< 0.005	< 0.005	_	30.0
Dust From Material Movemen	_	_	_	_	_	-	0.05	0.05	_	0.02	0.02	_	_	-	-	_	_	_
Onsite truck	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	_
Offsite	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Daily, Winter (Max)	_	_	_	_	_	_	-	_	_	_	_	_	_	-	_	_	_	_
Worker	0.08	0.07	0.07	0.72	0.00	0.00	0.17	0.17	0.00	0.04	0.04	_	166	166	< 0.005	0.01	0.02	_
Vendor	0.01	< 0.005	0.15	0.06	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	_	107	107	< 0.005	0.02	0.01	_
Hauling	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	_
Average Daily	_	_	_	_	_	_	_	_	_	_	_	-	_	_	_	_	_	_
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	_	4.59	4.59	< 0.005	< 0.005	0.01	_
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	_	2.93	2.93	< 0.005	< 0.005	< 0.005	_

Hauling	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	_
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	_	0.76	0.76	< 0.005	< 0.005	< 0.005	_
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	_	0.49	0.49	< 0.005	< 0.005	< 0.005	_
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	_	0.00	0.00	0.00	0.00	0.00	_

3.2. Grading (2025) - Mitigated

Location	TOG	ROG	NOx	со	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Off-Road Equipmen		0.64	4.43	35.3	0.06	0.12	_	0.12	0.12	_	0.12	_	6,599	6,599	0.27	0.05	_	6,622
Dust From Material Movemen	<u> </u>	_	_	_	_	_	2.39	2.39	_	0.95	0.95	_	_	_	_	_	_	_
Onsite truck	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	_
Average Daily	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Off-Road Equipmen		0.02	0.12	0.97	< 0.005	< 0.005	_	< 0.005	< 0.005	_	< 0.005	_	181	181	0.01	< 0.005	_	181
Dust From Material Movemen	_	_	_	_	_	_	0.07	0.07	_	0.03	0.03	_	_	_	_	_	_	_

Onsite truck	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	_
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Off-Road Equipmen		< 0.005	0.02	0.18	< 0.005	< 0.005	_	< 0.005	< 0.005	_	< 0.005	_	29.9	29.9	< 0.005	< 0.005	_	30.0
Dust From Material Movemen	_	_	_	_	_	_	0.01	0.01	_	< 0.005	< 0.005	_	_	-	_	_	_	_
Onsite truck	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	-
Offsite	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Daily, Summer (Max)	_	_	_	_	_	-	-	_	_	_	_	_	-	-	_	_	_	_
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Worker	0.08	0.07	0.07	0.72	0.00	0.00	0.17	0.17	0.00	0.04	0.04	_	166	166	< 0.005	0.01	0.02	_
Vendor	0.01	< 0.005	0.15	0.06	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	_	107	107	< 0.005	0.02	0.01	_
Hauling	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	_
Average Daily	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	_	4.59	4.59	< 0.005	< 0.005	0.01	_
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	_	2.93	2.93	< 0.005	< 0.005	< 0.005	_
Hauling	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	_
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	_	0.76	0.76	< 0.005	< 0.005	< 0.005	_
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	_	0.49	0.49	< 0.005	< 0.005	< 0.005	_
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	_	0.00	0.00	0.00	0.00	0.00	_

3.3. Building Construction (2025) - Unmitigated

Location	TOG	ROG	NOx	СО	SO2	PM10E	PM10D	PM10T		PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Off-Road Equipmen		1.13	10.4	13.0	0.02	0.43	_	0.43	0.40	_	0.40	_	2,398	2,398	0.10	0.02	_	2,406
Onsite truck	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	_
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	-	_	_	_	_
Off-Road Equipmen		1.13	10.4	13.0	0.02	0.43	_	0.43	0.40	_	0.40	_	2,398	2,398	0.10	0.02	_	2,406
Onsite truck	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	_
Average Daily	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Off-Road Equipmen		0.32	3.00	3.75	0.01	0.12	_	0.12	0.11	_	0.11	_	690	690	0.03	0.01	_	692
Onsite truck	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	_
Annual	_	<u> </u>	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Off-Road Equipmen		0.06	0.55	0.68	< 0.005	0.02	_	0.02	0.02	_	0.02	_	114	114	< 0.005	< 0.005	_	115
Onsite truck	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	_
Offsite	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_

Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_			_	_	_	_
Worker	0.31	0.29	0.18	2.93	0.00	0.00	0.60	0.60	0.00	0.14	0.14	_	648	648	0.01	0.03	2.66	_
Vendor	0.05	0.02	0.98	0.38	0.01	0.01	0.20	0.21	0.01	0.06	0.07	_	755	755	0.02	0.11	2.03	_
Hauling	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	_
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Worker	0.28	0.27	0.25	2.62	0.00	0.00	0.60	0.60	0.00	0.14	0.14	_	599	599	0.02	0.03	0.07	
Vendor	0.05	0.02	1.04	0.40	0.01	0.01	0.20	0.21	0.01	0.06	0.07	_	756	756	0.02	0.11	0.05	_
Hauling	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	_
Average Daily	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Worker	0.08	0.08	0.06	0.72	0.00	0.00	0.17	0.17	0.00	0.04	0.04	_	174	174	< 0.005	0.01	0.33	_
Vendor	0.02	0.01	0.29	0.11	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	_	217	217	0.01	0.03	0.25	_
Hauling	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	_
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Worker	0.01	0.01	0.01	0.13	0.00	0.00	0.03	0.03	0.00	0.01	0.01	_	28.9	28.9	< 0.005	< 0.005	0.05	_
Vendor	< 0.005	< 0.005	0.05	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	_	36.0	36.0	< 0.005	0.01	0.04	_
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	_	0.00	0.00	0.00	0.00	0.00	_

3.4. Building Construction (2025) - Mitigated

Location	TOG	ROG	NOx	со	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	_	_	_	_	_	_	<u> </u>	_	_	_	_	_	_	_	_	_	_	_
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_

Off-Road Equipmen		0.48	3.16	15.0	0.02	0.11	_	0.11	0.11	_	0.11	_	2,398	2,398	0.10	0.02	_	2,406
Onsite truck	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	_
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	-	_	_	_	_	_	_	_	_
Off-Road Equipmen		0.48	3.16	15.0	0.02	0.11	_	0.11	0.11	_	0.11	-	2,398	2,398	0.10	0.02	_	2,406
Onsite truck	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	_
Average Daily	_	_	_	-	_	_	_	_	_	_	-	-	_	_	-	_	_	_
Off-Road Equipmen		0.14	0.91	4.31	0.01	0.03	_	0.03	0.03	_	0.03	_	690	690	0.03	0.01	_	692
Onsite truck	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	_
Annual	_	_	_	_	_	_	_	_		_	_		_	_	_	_	_	_
Off-Road Equipmen		0.03	0.17	0.79	< 0.005	0.01	_	0.01	0.01	_	0.01	-	114	114	< 0.005	< 0.005	-	115
Onsite truck	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	_
Offsite	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	-	_	_	_	_	_	_	-	-
Worker	0.31	0.29	0.18	2.93	0.00	0.00	0.60	0.60	0.00	0.14	0.14	_	648	648	0.01	0.03	2.66	_
Vendor	0.05	0.02	0.98	0.38	0.01	0.01	0.20	0.21	0.01	0.06	0.07	_	755	755	0.02	0.11	2.03	_
Hauling	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	_
Daily, Winter (Max)	_	_	_	-	_	_	_	_	_	-	-	_	_	_	_	_	_	_
Worker	0.28	0.27	0.25	2.62	0.00	0.00	0.60	0.60	0.00	0.14	0.14	_	599	599	0.02	0.03	0.07	_

Vendor	0.05	0.02	1.04	0.40	0.01	0.01	0.20	0.21	0.01	0.06	0.07	_	756	756	0.02	0.11	0.05	_
Hauling	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	_
Average Daily	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Worker	0.08	0.08	0.06	0.72	0.00	0.00	0.17	0.17	0.00	0.04	0.04	_	174	174	< 0.005	0.01	0.33	_
Vendor	0.02	0.01	0.29	0.11	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	_	217	217	0.01	0.03	0.25	_
Hauling	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	_
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Worker	0.01	0.01	0.01	0.13	0.00	0.00	0.03	0.03	0.00	0.01	0.01	_	28.9	28.9	< 0.005	< 0.005	0.05	_
Vendor	< 0.005	< 0.005	0.05	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	_	36.0	36.0	< 0.005	0.01	0.04	_
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	<u> </u>	0.00	0.00	0.00	0.00	0.00	_

3.5. Paving (2025) - Unmitigated

	TOG	ROG	NOx	СО	SO2	PM10E		PM10T		PM2.5D		BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Off-Road Equipmen		0.80	7.45	9.98	0.01	0.35	_	0.35	0.32	_	0.32	_	1,511	1,511	0.06	0.01	_	1,517
Paving	_	1.46	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Onsite truck	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	_
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Average Daily	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_

Off-Road Equipmen		0.02	0.14	0.19	< 0.005	0.01	_	0.01	0.01	_	0.01	_	29.0	29.0	< 0.005	< 0.005	_	29.1
Paving	_	0.03	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Onsite truck	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	-
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Off-Road Equipmen		< 0.005	0.03	0.03	< 0.005	< 0.005	_	< 0.005	< 0.005	_	< 0.005	_	4.80	4.80	< 0.005	< 0.005	_	4.82
Paving	_	0.01	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Onsite truck	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	_
Offsite	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Daily, Summer (Max)	_	_	_	_	_	_	-	-	_	_	_	_	_	_	_	_	_	-
Worker	0.06	0.06	0.04	0.61	0.00	0.00	0.12	0.12	0.00	0.03	0.03	_	134	134	< 0.005	0.01	0.55	_
Vendor	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	_
Hauling	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	_
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Average Daily	_	_	_	_	_	_	-	-	_	_	_	_	_	_	_	_	_	-
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	_	2.41	2.41	< 0.005	< 0.005	< 0.005	_
Vendor	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	_
Hauling	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	_
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	_	0.40	0.40	< 0.005	< 0.005	< 0.005	_
Vendor	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	_
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	_	0.00	0.00	0.00	0.00	0.00	_

3.6. Paving (2025) - Mitigated

Location	TOG	ROG	NOx	СО	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Off-Road Equipmen		0.39	2.38	10.6	0.01	0.10	_	0.10	0.10	_	0.10	_	1,511	1,511	0.06	0.01	_	1,517
Paving	_	1.46	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Onsite truck	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	_
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Average Daily		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Off-Road Equipmen		0.01	0.05	0.20	< 0.005	< 0.005	_	< 0.005	< 0.005	_	< 0.005	_	29.0	29.0	< 0.005	< 0.005	_	29.1
Paving	_	0.03	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Onsite truck	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	_
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Off-Road Equipmen		< 0.005	0.01	0.04	< 0.005	< 0.005	_	< 0.005	< 0.005	_	< 0.005	_	4.80	4.80	< 0.005	< 0.005	_	4.82
Paving	_	0.01	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Onsite truck	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	_
Offsite	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_

Worker	0.06	0.06	0.04	0.61	0.00	0.00	0.12	0.12	0.00	0.03	0.03	_	134	134	< 0.005	0.01	0.55	_
Vendor	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	_
Hauling	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	_
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Average Daily	_	_	_	_	_	_	_	_	_	_	_	_		_	_	_	_	_
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	_	2.41	2.41	< 0.005	< 0.005	< 0.005	_
Vendor	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	_
Hauling	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	_
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	_	0.40	0.40	< 0.005	< 0.005	< 0.005	_
Vendor	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	_
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	_	0.00	0.00	0.00	0.00	0.00	_

3.7. Architectural Coating (2025) - Unmitigated

Location	TOG	ROG	NOx	со	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Off-Road Equipmen		0.13	0.88	1.14	< 0.005	0.03	_	0.03	0.03	_	0.03	_	134	134	0.01	< 0.005	_	134
Architect ural Coatings	_	269	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Onsite truck	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	_

Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Average Daily	_	_	_	_	_	_	_	-	_	_	_	_	-	_	-	_	_	_
Off-Road Equipmen		< 0.005	0.02	0.02	< 0.005	< 0.005	_	< 0.005	< 0.005	_	< 0.005	_	2.56	2.56	< 0.005	< 0.005	_	2.57
Architect ural Coatings	_	5.15	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Onsite truck	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	_
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Off-Road Equipmen		< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	_	< 0.005	< 0.005	_	< 0.005	_	0.42	0.42	< 0.005	< 0.005	_	0.43
Architect ural Coatings	_	0.94	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Onsite truck	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	_
Offsite	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	-
Worker	0.06	0.06	0.04	0.59	0.00	0.00	0.12	0.12	0.00	0.03	0.03	_	130	130	< 0.005	0.01	0.53	_
Vendor	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	_
Hauling	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	_
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Average Daily	_	_	-	_	_	-	_	-	_	_	-	_	_	-	_	_	_	_
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	_	2.33	2.33	< 0.005	< 0.005	< 0.005	_

Vendor	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	_
Hauling	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	_
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	_	0.39	0.39	< 0.005	< 0.005	< 0.005	_
Vendor	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	_
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	_	0.00	0.00	0.00	0.00	0.00	_

3.8. Architectural Coating (2025) - Mitigated

	TOG	ROG	NOx	СО	SO2		PM10D	PM10T			PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Off-Road Equipmen		0.13	0.88	1.14	< 0.005	0.03	_	0.03	0.03	_	0.03	_	134	134	0.01	< 0.005	_	134
Architect ural Coatings	_	120	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Onsite truck	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	_
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Average Daily	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Off-Road Equipmen		< 0.005	0.02	0.02	< 0.005	< 0.005	_	< 0.005	< 0.005	_	< 0.005	_	2.56	2.56	< 0.005	< 0.005	_	2.57
Architect ural Coatings	_	2.30	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_

Onsite truck	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	-
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Off-Road Equipmer		< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	_	< 0.005	< 0.005	_	< 0.005	_	0.42	0.42	< 0.005	< 0.005	_	0.43
Architect ural Coatings	_	0.42	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Onsite truck	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	_
Offsite	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	-	_	_	-
Worker	0.06	0.06	0.04	0.59	0.00	0.00	0.12	0.12	0.00	0.03	0.03	_	130	130	< 0.005	0.01	0.53	_
Vendor	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	_
Hauling	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	_
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Average Daily	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	_	2.33	2.33	< 0.005	< 0.005	< 0.005	_
Vendor	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	_
Hauling	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	_
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	-	_	_
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	_	0.39	0.39	< 0.005	< 0.005	< 0.005	_
Vendor	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	_
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	_	0.00	0.00	0.00	0.00	0.00	_

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

Mobile source emissions results are presented in Sections 2.6. No further detailed breakdown of emissions is available.

4.1.2. Mitigated

Mobile source emissions results are presented in Sections 2.5. No further detailed breakdown of emissions is available.

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

Land Use	TOG	ROG	NOx	со	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Refrigera ted Warehou se-No Rail	_	_	_	_	_	_	_	_	_	_	_	_	2,357	2,357	0.38	0.05	_	2,380
Parking Lot	_	_	_	_	_	_	_	_	_	_	_	_	83.0	83.0	0.01	< 0.005	_	83.8
User Defined Recreatio	— nal	_	_	_	_	_	_	_	_	_	_	_	0.00	0.00	0.00	0.00	_	0.00
Other Non-Asph Surfaces	— alt	_	_	_	_	_	_	_	_	_	_	_	0.00	0.00	0.00	0.00	_	0.00
Total	_	_	_	_	_	_	_	_	_	_	_	_	2,440	2,440	0.39	0.05	_	2,464

													_					
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Refrigera ted Warehou se-No Rail		_	_		_	_	_	_	_	_	_	_	2,357	2,357	0.38	0.05	_	2,380
Parking Lot	_	_	_	_	_	_	_	_	_	_	_	_	83.0	83.0	0.01	< 0.005	_	83.8
User Defined Recreation	— nal	_	_	_	_	_	_	_	_	_	_	_	0.00	0.00	0.00	0.00	_	0.00
Other Non-Asph Surfaces	— alt	_	_	_	_	_	_	_	_	_	_	_	0.00	0.00	0.00	0.00	_	0.00
Total	_	_	_	_	_	_	_	_	_	_	_	_	2,440	2,440	0.39	0.05	_	2,464
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Refrigera ted Warehou se-No Rail	_	_	_	_	_	_	_	_	_	_	_	_	390	390	0.06	0.01	_	394
Parking Lot	_	_	_	_	_	_	_	_	_	_	_	_	13.7	13.7	< 0.005	< 0.005	_	13.9
User Defined Recreation	— nal	_	_	_	_	_	_	_	_	_	_	_	0.00	0.00	0.00	0.00	_	0.00
Other Non-Asph Surfaces	— alt	_	_	_	_	_	_	_	_	_	_	_	0.00	0.00	0.00	0.00	_	0.00
Total	_	_	_	_	_	_	_	_	_	_	_	_	404	404	0.07	0.01	_	408

4.2.2. Electricity Emissions By Land Use - Mitigated

Land	TOG	ROG	NOx	СО	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Use																		
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Refrigera ted Warehou se-No Rail	_	_	_	_	_	_	_	_	_	_	_	_	2,357	2,357	0.38	0.05	_	2,380
Parking Lot	_	-	_	_	_	_	_	_	_	_	_	_	83.0	83.0	0.01	< 0.005	_	83.8
User Defined Recreation	— าal	_	_	_	_	_	_	_	_	-	_	_	0.00	0.00	0.00	0.00	_	0.00
Other Non-Asph Surfaces	— alt	_	_	_	_	_	_	_	_	_	_	_	0.00	0.00	0.00	0.00	_	0.00
Total	_	_	_	_	_	_	_	_	_	_	_	_	2,440	2,440	0.39	0.05	_	2,464
Daily, Winter (Max)	-	_	_	_	_	_	_	_	_	-	_	-	_	_	_	_	_	_
Refrigera ted Warehou se-No Rail	_	_	_	_	_	_	-	-	_	_	_	-	2,357	2,357	0.38	0.05	_	2,380
Parking Lot	_	-	_	_	_	_	_	_	_	_	_	_	83.0	83.0	0.01	< 0.005	_	83.8
User Defined Recreation	_ nal	_	-	_	-	_	_	_	_	_	_	_	0.00	0.00	0.00	0.00	_	0.00
Other Non-Asph Surfaces	— alt	_	_	_	-	_	_	_	_	_	_	_	0.00	0.00	0.00	0.00	_	0.00
Total	_	_	_	_	_	_	_	_	_	_	_	_	2,440	2,440	0.39	0.05	_	2,464

Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Refrigera ted Warehou se-No Rail	_	_	_	_	_	_	_	_	_	_	_	_	390	390	0.06	0.01	_	394
Parking Lot	_	_	_	_	_	_	_	_	_	_	_	_	13.7	13.7	< 0.005	< 0.005	_	13.9
User Defined Recreation	— nal	_	_	_	_	_	_	_	_	_	_	_	0.00	0.00	0.00	0.00	_	0.00
Other Non-Asph Surfaces	— alt	_	_	_	_	_	_	_	_	_	_	_	0.00	0.00	0.00	0.00	_	0.00
Total	_	_	_	_	_	_	_	_	_	_	_	_	404	404	0.07	0.01	_	408

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

Land Use	TOG	ROG	NOx	со	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Refrigera ted Warehou se-No Rail	0.03	0.01	0.23	0.19	< 0.005	0.02	_	0.02	0.02	_	0.02	_	274	274	0.02	< 0.005	_	275
Parking Lot	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
User Defined Recreatio	0.00 nal	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

Other Non-Aspha Surfaces	0.00 alt	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
Total	0.03	0.01	0.23	0.19	< 0.005	0.02	_	0.02	0.02	_	0.02	_	274	274	0.02	< 0.005	_	275
Daily, Winter (Max)	_	_	_	_	_	_	-	_	_	_	-	_	_	_	_	_	_	-
Refrigera ted Warehou se-No Rail	0.03	0.01	0.23	0.19	< 0.005	0.02	_	0.02	0.02	_	0.02	_	274	274	0.02	< 0.005	_	275
Parking Lot	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
User Defined Recreation	0.00 nal	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
Other Non-Aspha Surfaces	0.00 alt	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
Total	0.03	0.01	0.23	0.19	< 0.005	0.02	_	0.02	0.02	_	0.02	_	274	274	0.02	< 0.005	_	275
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Refrigera ted Warehou se-No Rail	< 0.005	< 0.005	0.04	0.04	< 0.005	< 0.005	_	< 0.005	< 0.005	_	< 0.005	_	45.4	45.4	< 0.005	< 0.005	_	45.5
Parking Lot	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
User Defined Recreation	0.00 nal	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
Other Non-Aspha Surfaces	0.00 alt	0.00	0.00	0.00	0.00	0.00	_	0.00	0.00	_	0.00	_	0.00	0.00	0.00	0.00	_	0.00
					_	-	-											

4.2.4. Natural Gas Emissions By Land Use - Mitigated

Land Use	TOG	ROG	NOx	СО	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	_	_	-	_	_	_	_	_	_	_	_	_	_	-	_	_	_	_
Refrigera ted Warehou se-No Rail	0.03	0.01	0.23	0.19	< 0.005	0.02	_	0.02	0.02	_	0.02		274	274	0.02	< 0.005	_	275
Parking Lot	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
User Defined Recreatio	0.00 nal	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
Other Non-Asph Surfaces	0.00 nalt	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
Total	0.03	0.01	0.23	0.19	< 0.005	0.02	_	0.02	0.02	_	0.02	_	274	274	0.02	< 0.005	_	275
Daily, Winter (Max)	_	_	-	_	_	_	_	_	_	_	_	_	_	-	_	_	_	_
Refrigera ted Warehou se-No Rail	0.03	0.01	0.23	0.19	< 0.005	0.02	_	0.02	0.02	_	0.02	_	274	274	0.02	< 0.005	_	275
Parking Lot	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
User Defined Recreatio	0.00 nal	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

Other Non-Asph Surfaces	0.00 alt	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
Total	0.03	0.01	0.23	0.19	< 0.005	0.02	_	0.02	0.02	_	0.02	_	274	274	0.02	< 0.005	_	275
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Refrigera ted Warehou se-No Rail	< 0.005	< 0.005	0.04	0.04	< 0.005	< 0.005	_	< 0.005	< 0.005	_	< 0.005	_	45.4	45.4	< 0.005	< 0.005	_	45.5
Parking Lot	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
User Defined Recreation	0.00 าal	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
Other Non-Asph Surfaces	0.00 alt	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
Total	< 0.005	< 0.005	0.04	0.04	< 0.005	< 0.005	_	< 0.005	< 0.005	_	< 0.005	_	45.4	45.4	< 0.005	< 0.005	_	45.5

4.3. Area Emissions by Source

4.3.1. Unmitigated

Source	TOG	ROG	NOx	со	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Consum er Products	_	3.71	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Architect ural Coatings		0.52	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_

Landsca Equipmen	1.33 nt	1.23	0.06	7.50	< 0.005	0.01	_	0.01	0.01	_	0.01	_	30.8	30.8	< 0.005	< 0.005	_	30.9
Total	1.33	5.46	0.06	7.50	< 0.005	0.01	_	0.01	0.01	_	0.01	_	30.8	30.8	< 0.005	< 0.005	_	30.9
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Consum er Products	_	3.71	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Architect ural Coatings	_	0.52	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Total	_	4.23	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Consum er Products	_	0.68	_	_	_	_	_	_	_	_	_	-	_	_	_	_	_	-
Architect ural Coatings	_	0.09	-	_	_	_	-	_	_	_	_	_	_	_	_	_	_	-
Landsca pe Equipme nt	0.12	0.11	0.01	0.67	< 0.005	< 0.005	_	< 0.005	< 0.005	_	< 0.005	_	2.52	2.52	< 0.005	< 0.005	_	2.53
Total	0.12	0.88	0.01	0.67	< 0.005	< 0.005	_	< 0.005	< 0.005	_	< 0.005	_	2.52	2.52	< 0.005	< 0.005	_	2.53

4.3.2. Mitigated

																		
Source	TOG	ROG	NOx	СО	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily,	_		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Summer																		
(Max)																		

Consum er Products	_	3.71	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Architect ural Coatings	_	0.52	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Landsca pe Equipme nt	1.33	1.23	0.06	7.50	< 0.005	0.01	_	0.01	0.01	_	0.01	_	30.8	30.8	< 0.005	< 0.005	_	30.9
Total	1.33	5.46	0.06	7.50	< 0.005	0.01	_	0.01	0.01	_	0.01	_	30.8	30.8	< 0.005	< 0.005	_	30.9
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Consum er Products	_	3.71	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	-
Architect ural Coatings	_	0.52		-	_	_	-	_	_	_	-	-	_	_	_	-	_	_
Total	_	4.23	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Consum er Products	_	0.68	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Architect ural Coatings	_	0.09	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Landsca pe Equipme nt	0.12	0.11	0.01	0.67	< 0.005	< 0.005	_	< 0.005	< 0.005	_	< 0.005	_	2.52	2.52	< 0.005	< 0.005	_	2.53
Total	0.12	0.88	0.01	0.67	< 0.005	< 0.005	_	< 0.005	< 0.005	_	< 0.005	_	2.52	2.52	< 0.005	< 0.005	_	2.53

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

Ciliena				iy, ton/yi		· ·	<u> </u>											
Land Use	TOG	ROG	NOx	СО	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Refrigera ted Warehou se-No Rail	_	_	_	_	_	_	_			_	_	76.4	150	226	7.86	0.19	_	479
Parking Lot	_	_	_	_	_	_	_	_	_	_	_	0.00	0.00	0.00	0.00	0.00	_	0.00
User Defined Recreation	— าal	_	_	_	_	_	_	_	_	_	_	0.00	0.00	0.00	0.00	0.00	_	0.00
Other Non-Asph Surfaces	— alt	_	_	_	_	_	_	_	_	_	_	0.00	0.00	0.00	0.00	0.00	_	0.00
Total	_	_	_	_	_	_	_	_	_	_	_	76.4	150	226	7.86	0.19	_	479
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Refrigera ted Warehou se-No Rail	_	_	_	_	_	_	_	_	_	_	_	76.4	150	226	7.86	0.19	_	479
Parking Lot	_	_	_	_	_	_	_	_	_	_	_	0.00	0.00	0.00	0.00	0.00	_	0.00

User Defined Recreation	— nal	_	_	_	_	_	_	_	_	_	_	0.00	0.00	0.00	0.00	0.00	_	0.00
Other Non-Aspha Surfaces	— alt	_	_	_	_	_	_	_	_	_	_	0.00	0.00	0.00	0.00	0.00	_	0.00
Total	_	_	_	_	_	_	_	_	_	_	_	76.4	150	226	7.86	0.19	_	479
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Refrigera ted Warehou se-No Rail	_	_	_	_	_	_	_	_	_	_	_	12.6	24.8	37.4	1.30	0.03	_	79.3
Parking Lot	_	_	_	_	_	_	_	_			_	0.00	0.00	0.00	0.00	0.00	_	0.00
User Defined Recreation	— nal	_	_	_	_	_	_	_	_	_	_	0.00	0.00	0.00	0.00	0.00	_	0.00
Other Non-Aspha Surfaces	— alt	_	_	_	_	_	_	_	_	_	_	0.00	0.00	0.00	0.00	0.00	_	0.00
Total	_	_	_	_	_	_	_	_	_	_	_	12.6	24.8	37.4	1.30	0.03	_	79.3

4.4.2. Mitigated

Land Use	TOG	ROG	NOx	СО	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Refrigera ted Warehou se-No Rail		_	_	_	_	_	_	_	_	_	_	76.4	150	226	7.86	0.19	_	479

Parking	_	_	_	_	_	_	_	_	_	_	_	0.00	0.00	0.00	0.00	0.00	_	0.00
Lot User Defined	_	_	_	_	_	_	_	_	_	_	_	0.00	0.00	0.00	0.00	0.00	_	0.00
Recreation	nal																	
Other Non-Asph Surfaces	— alt		_	_	_	_	_	_	_	_		0.00	0.00	0.00	0.00	0.00		0.00
Total	_	_	_	_	_	_	_	_	_	_	_	76.4	150	226	7.86	0.19	_	479
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Refrigera ted Warehou se-No Rail	_	_	_	_	_	_	_	_	_	_	_	76.4	150	226	7.86	0.19	_	479
Parking Lot	_	_	-	_	_	_	_	_	_	_	_	0.00	0.00	0.00	0.00	0.00	_	0.00
User Defined Recreation	— nal	_	_	_	_	_	_	_	_	_	_	0.00	0.00	0.00	0.00	0.00	-	0.00
Other Non-Asph Surfaces	— alt	_	_	_	_	_	_	_	_	_		0.00	0.00	0.00	0.00	0.00	-	0.00
Total	_	_	_	_	_	_	_	_	_	_	_	76.4	150	226	7.86	0.19	_	479
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Refrigera ted Warehou se-No Rail	_	_	_	_	_	_	_	_	_	_	_	12.6	24.8	37.4	1.30	0.03	_	79.3
Parking Lot	_	_	_	_	_	_	_	_	_	_	_	0.00	0.00	0.00	0.00	0.00	_	0.00

User Defined Recreation	_ nal	_	_	_	_	_	_	_	_	_	_	0.00	0.00	0.00	0.00	0.00	_	0.00
Other Non-Asph Surfaces	— alt	_	_	_	_	_	_	_	_	_	_	0.00	0.00	0.00	0.00	0.00	_	0.00
Total	_	_	_	_	_	_	_	_	_	_	_	12.6	24.8	37.4	1.30	0.03	_	79.3

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

		()		<i>j</i> ,		,	· · · · · · · · · · · · · · · · · · ·	· · · · ·	J.J., 11.	.,,	o,							
Land Use	TOG	ROG	NOx	со	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	СО2Т	CH4	N2O	R	CO2e
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Refrigera ted Warehou se-No Rail		_				_	_	_	_	_		87.3	0.00	87.3	8.73	0.00	_	306
Parking Lot	_	_	_	_	_	_	_	_	_	_	_	0.00	0.00	0.00	0.00	0.00	_	0.00
User Defined Recreation	— nal	_	_	_	_	_	_	_	_	_	_	0.00	0.00	0.00	0.00	0.00	_	0.00
Other Non-Asph Surfaces	— alt	_	_	_	_	_	_	_	_	_	_	0.00	0.00	0.00	0.00	0.00	_	0.00
Total	_	_	_	_	_	_	_	_	_	_	_	87.3	0.00	87.3	8.73	0.00		306
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_

Refrigera Warehouse Rail		_	_	_	_	_	_	_	_	_	_	87.3	0.00	87.3	8.73	0.00	_	306
Parking Lot	_	_	_	_	_	_	_	_	_	_	_	0.00	0.00	0.00	0.00	0.00	_	0.00
User Defined Recreation	— nal	_	_	_	_	_	_	_	_	_	_	0.00	0.00	0.00	0.00	0.00	_	0.00
Other Non-Aspha Surfaces	— alt	_	_	_	_	_	_	_	_	_	_	0.00	0.00	0.00	0.00	0.00	_	0.00
Total	_	_	_	_	_	_		_			_	87.3	0.00	87.3	8.73	0.00	_	306
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Refrigera ted Warehou se-No Rail	_	_	_	_	_	_	_	_	_	_	_	14.5	0.00	14.5	1.45	0.00	_	50.6
Parking Lot	_	_	_	_	_	_	_	_	_	_	_	0.00	0.00	0.00	0.00	0.00	_	0.00
User Defined Recreation	— nal	-	_	_	_	_	_	_	_	_	_	0.00	0.00	0.00	0.00	0.00	_	0.00
Other Non-Aspha Surfaces	— alt	_	_	_	_	_	_	_	_	_	_	0.00	0.00	0.00	0.00	0.00	_	0.00
Total	_	_	_	_	_	_	_	_	_	_	_	14.5	0.00	14.5	1.45	0.00	_	50.6

4.5.2. Mitigated

Land	TOG	ROG	NOx	СО	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Use																		

Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Refrigera ted Warehou se-No Rail	_	_	_	_	_	_	_	_	_	_	_	87.3	0.00	87.3	8.73	0.00	_	306
Parking Lot	_	_	_	_	_	_	_	_	_	_	_	0.00	0.00	0.00	0.00	0.00	_	0.00
User Defined Recreation	— nal	_	_	_	_	_	_	_	_	_	_	0.00	0.00	0.00	0.00	0.00	_	0.00
Other Non-Aspha Surfaces	— alt	_	_	_	_	_	_	_	_	_	_	0.00	0.00	0.00	0.00	0.00	_	0.00
Total	_	_	_	_	_	_	_	_	_	_	_	87.3	0.00	87.3	8.73	0.00	_	306
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Refrigera ted Warehou se-No Rail	_	_	_	_	_	_	_	_	_	_	_	87.3	0.00	87.3	8.73	0.00	_	306
Parking Lot	_	_	_	_	_	_	_	_	_	_	_	0.00	0.00	0.00	0.00	0.00	_	0.00
User Defined Recreation	— nal	_	_	_	_	_	_	_	_	_	_	0.00	0.00	0.00	0.00	0.00	_	0.00
Other Non-Aspha Surfaces	— alt	_	_	_	_	_	_	_	_	_	_	0.00	0.00	0.00	0.00	0.00	_	0.00
Total	_	_	_	_	_	_	_	_	_	_	_	87.3	0.00	87.3	8.73	0.00	_	306
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_

Refrigera ted	_	_	_	_	_	_	_	_	_	_	_	14.5	0.00	14.5	1.45	0.00	_	50.6
Parking Lot	_	_	_	_	_	_	_	_	_	_	_	0.00	0.00	0.00	0.00	0.00	_	0.00
User Defined Recreation	— nal	_	_	_	_	_	_	_	_	_	_	0.00	0.00	0.00	0.00	0.00	_	0.00
Other Non-Asph Surfaces	— alt	_	_	_	_	_	_	_	_	_	_	0.00	0.00	0.00	0.00	0.00	_	0.00
Total	_	_	_	_	_	_	_	_	_	_	_	14.5	0.00	14.5	1.45	0.00	_	50.6

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

Land Use		ROG		СО					PM2.5E			BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Refrigera ted Warehou se-No Rail	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	4,594	4,594
Total	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	4,594	4,594
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Refrigera ted Warehou se-No Rail	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	4,594	4,594

Total	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	4,594	4,594
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Refrigera ted Warehou se-No Rail					_	_			_		_	_	_		_		761	761
Total	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	761	761

4.6.2. Mitigated

	TOG			co					_	PM2.5D		BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Use	100	NOG	INOX		302	I WITOL	TWITOD	T WITOT	T IVIZ.JL	T IVIZ.JD	1 1012.01	D002	NDCOZ	0021	0114	INZO	IX	0026
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Refrigera ted Warehou se-No Rail	_	_	_	_	_	_	_	_	_		_		_	_	_	_	2,138	2,138
Total	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	2,138	2,138
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Refrigera ted Warehou se-No Rail		_	_	_		_	_	_	_	_	_	_	_		_	_	2,138	2,138
Total	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	2,138	2,138
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_

Refrigera ted Warehou Rail		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	354	354
Total	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	354	354

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

Equipme nt Type	TOG	ROG	NOx	со	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	СО2Т	CH4	N2O	R	CO2e
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Forklifts	1.95	1.64	15.5	21.9	0.03	0.82	_	0.82	0.75		0.75		3,202	3,202	0.13	0.03	_	_
undefine d	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	3,213
Total	1.95	1.64	15.5	21.9	0.03	0.82	_	0.82	0.75	_	0.75	_	3,202	3,202	0.13	0.03	_	3,213
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	-	_
Forklifts	1.95	1.64	15.5	21.9	0.03	0.82	_	0.82	0.75	_	0.75	_	3,202	3,202	0.13	0.03	_	_
undefine d	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	3,213
Total	1.95	1.64	15.5	21.9	0.03	0.82	_	0.82	0.75	_	0.75	_	3,202	3,202	0.13	0.03	_	3,213
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Forklifts	0.36	0.30	2.83	3.99	0.01	0.15	_	0.15	0.14	_	0.14	_	530	530	0.02	< 0.005	_	_
undefine d	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	532
Total	0.36	0.30	2.83	3.99	0.01	0.15	_	0.15	0.14	_	0.14	_	530	530	0.02	< 0.005	_	532

4.7.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

		,	J, J		· · · / · · · ·	(_ · · · J ·	,	۵							
TOG	ROG	NOx	СО	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
1.95	1.64	15.5	21.9	0.03	0.82	_	0.82	0.75	_	0.75	_	3,202	3,202	0.13	0.03	_	_
_	-	_	_	_	_	_	-	_	_	_	_	_	_	-	-	_	3,213
1.95	1.64	15.5	21.9	0.03	0.82	_	0.82	0.75	_	0.75	_	3,202	3,202	0.13	0.03	_	3,213
_	-	_	_	_	_	_	_	_	_	-	-	_	-	-	_	_	_
1.95	1.64	15.5	21.9	0.03	0.82	_	0.82	0.75	_	0.75	_	3,202	3,202	0.13	0.03	_	_
_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	3,213
1.95	1.64	15.5	21.9	0.03	0.82	_	0.82	0.75	_	0.75	_	3,202	3,202	0.13	0.03	_	3,213
_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
0.36	0.30	2.83	3.99	0.01	0.15	_	0.15	0.14	_	0.14	_	530	530	0.02	< 0.005	_	_
-	-	_	_	_	-	-	-	-	-	-	_	_	-	_	-	_	532
0.36	0.30	2.83	3.99	0.01	0.15	_	0.15	0.14	_	0.14	_	530	530	0.02	< 0.005	_	532
	1.95 1.95 1.95 0.36	TOG ROG	TOG ROG NOX — — — 1.95 1.64 15.5 — — — 1.95 1.64 15.5 — — — 1.95 1.64 15.5 — — — 0.36 0.30 2.83 — — —	TOG ROG NOX CO — — — — 1.95 1.64 15.5 21.9 — — — — 1.95 1.64 15.5 21.9 — — — — 1.95 1.64 15.5 21.9 — — — — 0.36 0.30 2.83 3.99 — — — —	TOG ROG NOX CO SO2 — — — — 1.95 1.64 15.5 21.9 0.03 — — — — 1.95 1.64 15.5 21.9 0.03 — — — — 1.95 1.64 15.5 21.9 0.03 — — — — 0.36 0.30 2.83 3.99 0.01 — — — —	TOG ROG NOx CO SO2 PM10E — — — — — 1.95 1.64 15.5 21.9 0.03 0.82 — — — — — 1.95 1.64 15.5 21.9 0.03 0.82 — — — — — 1.95 1.64 15.5 21.9 0.03 0.82 — — — — — 0.36 0.30 2.83 3.99 0.01 0.15 — — — — — —	TOG ROG NOx CO SO2 PM10E PM10D — — — — — — 1.95 1.64 15.5 21.9 0.03 0.82 — — — — — — — 1.95 1.64 15.5 21.9 0.03 0.82 — — — — — — — 1.95 1.64 15.5 21.9 0.03 0.82 — — — — — — — 1.95 1.64 15.5 21.9 0.03 0.82 — — — — — — — — 0.36 0.30 2.83 3.99 0.01 0.15 — — — — — — — —	TOG ROG NOx CO SO2 PM10E PM10D PM10T — — — — — — — 1.95 1.64 15.5 21.9 0.03 0.82 — 0.82 — — — — — — — — 1.95 1.64 15.5 21.9 0.03 0.82 — 0.82 — — — — — — — — 1.95 1.64 15.5 21.9 0.03 0.82 — 0.82 — — — — — — — — 1.95 1.64 15.5 21.9 0.03 0.82 — 0.82 — — — — — — — — 1.95 1.64 15.5 21.9 0.03 0.82 — 0.82 — — <	TOG ROG NOX CO SO2 PM10E PM10D PM10T PM2.5E — — — — — — — — — 1.95 1.64 15.5 21.9 0.03 0.82 — 0.82 0.75 — — — — — — — 1.95 1.64 15.5 21.9 0.03 0.82 — 0.82 0.75 — — — — — — — — 1.95 1.64 15.5 21.9 0.03 0.82 — 0.82 0.75 — — — — — — — — 1.95 1.64 15.5 21.9 0.03 0.82 — 0.82 0.75 — — — — — — — — 0.36 0.30 2.83 3.99 0.01 <td>TOG ROG NOX CO SO2 PM10E PM10D PM10T PM2.5E PM2.5D </td> <td>TOG ROG NOX CO SO2 PM10E PM10D PM10T PM2.5E PM2.5D PM2.5T — — — — — — — — — 1.95 1.64 15.5 21.9 0.03 0.82 — 0.82 0.75 — 0.75 — — — — — — — — — 0.75 — — — — — — — — 0.75 — — — — — — — — — 0.75 — — — — — — — — — 0.75 — 0.75 — — — — — — — — 0.75 — 0.75 — — — — — — — — — — 0.75 <t< td=""><td>TOG ROG NOX CO SO2 PM10E PM10D PM10T PM2.5E PM2.5D PM2.5T BCO2 </td><td>TOG ROG NOX CO SO2 PM10E PM10D PM10T PM2.5E PM2.5D PM2.5T BCO2 NBCO2 </td><td>TOG ROG NOX CO SO2 PM10E PM10D PM10T PM2.5E PM2.5D PM2.5T BCO2 NBCO2 CO2T 1.95 1.64 15.5 21.9 0.03 0.82 — 0.82 0.75 — 0.75 — 3,202 3,202 1.95 1.64 15.5 21.9 0.03 0.82 — 0.82 0.75 — 0.75 — 3,202 3,202 —</td><td>TOG ROG NOX CO SO2 PM10E PM10D PM10T PM2.5E PM2.5D PM2.5T BCO2 NBCO2 CO2T CH4 </td><td>TOG ROG NOX CO SO2 PM10E PM10D PM10T PM2.5E PM2.5D PM2.5T BCO2 NBCO2 CO2T CH4 N2O </td><td>TOG ROG NOX CO SO2 PM10E PM10D PM2.5E PM2.5E PM2.5D PM2.5T BCO2 NBCO2 CO2T CH4 N2O R </td></t<></td>	TOG ROG NOX CO SO2 PM10E PM10D PM10T PM2.5E PM2.5D	TOG ROG NOX CO SO2 PM10E PM10D PM10T PM2.5E PM2.5D PM2.5T — — — — — — — — — 1.95 1.64 15.5 21.9 0.03 0.82 — 0.82 0.75 — 0.75 — — — — — — — — — 0.75 — — — — — — — — 0.75 — — — — — — — — — 0.75 — — — — — — — — — 0.75 — 0.75 — — — — — — — — 0.75 — 0.75 — — — — — — — — — — 0.75 <t< td=""><td>TOG ROG NOX CO SO2 PM10E PM10D PM10T PM2.5E PM2.5D PM2.5T BCO2 </td><td>TOG ROG NOX CO SO2 PM10E PM10D PM10T PM2.5E PM2.5D PM2.5T BCO2 NBCO2 </td><td>TOG ROG NOX CO SO2 PM10E PM10D PM10T PM2.5E PM2.5D PM2.5T BCO2 NBCO2 CO2T 1.95 1.64 15.5 21.9 0.03 0.82 — 0.82 0.75 — 0.75 — 3,202 3,202 1.95 1.64 15.5 21.9 0.03 0.82 — 0.82 0.75 — 0.75 — 3,202 3,202 —</td><td>TOG ROG NOX CO SO2 PM10E PM10D PM10T PM2.5E PM2.5D PM2.5T BCO2 NBCO2 CO2T CH4 </td><td>TOG ROG NOX CO SO2 PM10E PM10D PM10T PM2.5E PM2.5D PM2.5T BCO2 NBCO2 CO2T CH4 N2O </td><td>TOG ROG NOX CO SO2 PM10E PM10D PM2.5E PM2.5E PM2.5D PM2.5T BCO2 NBCO2 CO2T CH4 N2O R </td></t<>	TOG ROG NOX CO SO2 PM10E PM10D PM10T PM2.5E PM2.5D PM2.5T BCO2	TOG ROG NOX CO SO2 PM10E PM10D PM10T PM2.5E PM2.5D PM2.5T BCO2 NBCO2	TOG ROG NOX CO SO2 PM10E PM10D PM10T PM2.5E PM2.5D PM2.5T BCO2 NBCO2 CO2T 1.95 1.64 15.5 21.9 0.03 0.82 — 0.82 0.75 — 0.75 — 3,202 3,202 1.95 1.64 15.5 21.9 0.03 0.82 — 0.82 0.75 — 0.75 — 3,202 3,202 —	TOG ROG NOX CO SO2 PM10E PM10D PM10T PM2.5E PM2.5D PM2.5T BCO2 NBCO2 CO2T CH4	TOG ROG NOX CO SO2 PM10E PM10D PM10T PM2.5E PM2.5D PM2.5T BCO2 NBCO2 CO2T CH4 N2O	TOG ROG NOX CO SO2 PM10E PM10D PM2.5E PM2.5E PM2.5D PM2.5T BCO2 NBCO2 CO2T CH4 N2O R

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

Equipme nt Type	TOG	ROG	NOx	СО	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Emergen cy Generato	0.04	0.03	0.17	0.19	< 0.005	0.02	0.00	0.02	0.02	0.00	0.02	0.00	16.8	16.8	< 0.005	< 0.005	0.00	0.00
Fire Pump	0.04	0.03	0.17	0.19	< 0.005	0.02	0.00	0.02	0.02	0.00	0.02	0.00	16.8	16.8	< 0.005	< 0.005	0.00	0.00
undefine d	_	_	_	-	_	_	_	_	_	_	_	_	_	_	_	-	-	33.7
Total	0.07	0.07	0.34	0.38	< 0.005	0.04	0.00	0.04	0.04	0.00	0.04	0.00	33.6	33.6	< 0.005	< 0.005	0.00	33.7
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Emergen cy Generato r	0.04	0.03	0.17	0.19	< 0.005	0.02	0.00	0.02	0.02	0.00	0.02	0.00	16.8	16.8	< 0.005	< 0.005	0.00	0.00
Fire Pump	0.04	0.03	0.17	0.19	< 0.005	0.02	0.00	0.02	0.02	0.00	0.02	0.00	16.8	16.8	< 0.005	< 0.005	0.00	0.00
undefine d	_	_	_	-	-	_	_	_	_	_	_	_	_	_	_	-	-	33.7
Total	0.07	0.07	0.34	0.38	< 0.005	0.04	0.00	0.04	0.04	0.00	0.04	0.00	33.6	33.6	< 0.005	< 0.005	0.00	33.7
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Emergen cy Generato r		< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.00	< 0.005	< 0.005	0.00	< 0.005	0.00	0.19	0.19	< 0.005	< 0.005	0.00	0.00
Fire Pump	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.00	< 0.005	< 0.005	0.00	< 0.005	0.00	0.19	0.19	< 0.005	< 0.005	0.00	0.00

undefine d	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	0.38
Total	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.00	< 0.005	< 0.005	0.00	< 0.005	0.00	0.38	0.38	< 0.005	< 0.005	0.00	0.38

4.8.2. Mitigated

Equipme	TOG	ROG	NOx	со	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
nt Type																		
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Emergen cy Generato r		0.03	0.17	0.19	< 0.005	0.02	0.00	0.02	0.02	0.00	0.02	0.00	16.8	16.8	< 0.005	< 0.005	0.00	0.00
Fire Pump	0.04	0.03	0.17	0.19	< 0.005	0.02	0.00	0.02	0.02	0.00	0.02	0.00	16.8	16.8	< 0.005	< 0.005	0.00	0.00
undefine d	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	33.7
Total	0.07	0.07	0.34	0.38	< 0.005	0.04	0.00	0.04	0.04	0.00	0.04	0.00	33.6	33.6	< 0.005	< 0.005	0.00	33.7
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Emergen cy Generato r	0.04	0.03	0.17	0.19	< 0.005	0.02	0.00	0.02	0.02	0.00	0.02	0.00	16.8	16.8	< 0.005	< 0.005	0.00	0.00
Fire Pump	0.04	0.03	0.17	0.19	< 0.005	0.02	0.00	0.02	0.02	0.00	0.02	0.00	16.8	16.8	< 0.005	< 0.005	0.00	0.00
undefine d	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	33.7
Total	0.07	0.07	0.34	0.38	< 0.005	0.04	0.00	0.04	0.04	0.00	0.04	0.00	33.6	33.6	< 0.005	< 0.005	0.00	33.7
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_

Emergen Generator		< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.00	< 0.005	< 0.005	0.00	< 0.005	0.00	0.19	0.19	< 0.005	< 0.005	0.00	0.00
Fire Pump	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.00	< 0.005	< 0.005	0.00	< 0.005	0.00	0.19	0.19	< 0.005	< 0.005	0.00	0.00
undefine d	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	0.38
Total	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.00	< 0.005	< 0.005	0.00	< 0.005	0.00	0.38	0.38	< 0.005	< 0.005	0.00	0.38

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipme nt Type		ROG		со						PM2.5D		BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Total	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Total	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Total	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_

4.9.2. Mitigated

Equipme	TOG	ROG	NOx	со	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
nt																		
Туре																		

Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Total	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Total	_	_	_	_	_	_	<u> </u>	_		_	_	_		_	_	_	_	_
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Total	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetatio n	TOG	ROG		СО	SO2	PM10E		PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Total	_		_	_			_	_	_		_	_	_	_	_	_	_	_
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Total	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Total	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Land Use	TOG	ROG	NOx	СО	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Total	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Total	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Total	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

	TOG	DOC.		СО	SO2			PM10T				DCCC	NDCOO	CO2T	CH4	NOO	В	CO2e
Species	100	ROG	NOx	CO	502	PM10E	PINITUD	PIVITUT	PIVIZ.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO21	CH4	N2O	R	COZe
Daily, Summer (Max)	_	_	_	_		_	_	_	_	_	_	_	_	_	_	_	_	_
Avoided	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Subtotal	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Sequest ered	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Subtotal	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Remove d	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Subtotal	_	_	_	_	_	_	_	_	_	_	_	_		_	_	_	_	_
_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_

Avoided	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Subtotal	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Sequest ered	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Subtotal	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Remove d	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Subtotal	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Avoided	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Subtotal	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Sequest ered	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Subtotal	_	_	_	_	<u> </u>	_	_	_	_	_	<u> </u>	_	<u> </u>	_	_	_	_	_
Remove d	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Subtotal	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

Vegetatio n	TOG	ROG	NOx	со	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Total	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_

Total	_	_	_	_	_	_	_	_	_	_	_	_	_	_	-	_	_	_
Annual	_	_	_	_	_	_	<u> </u>	_	_	_	_	_	_	_	_	_	_	_
Total	_	_	_	_	_	_	<u> </u>	_	_	_	_	_	_	_	_	_	_	_

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG		со	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Total	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Total	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Total	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

Species	TOG	ROG		СО	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Avoided		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Subtotal	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Sequest ered	_		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Subtotal	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_

Remove	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Subtotal	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Avoided	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Subtotal	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Sequest ered	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Subtotal	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Remove d	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Subtotal	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Avoided	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Subtotal	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Sequest ered	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Subtotal	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Remove d	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Subtotal	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Grading	Grading	1/1/2025	1/14/2025	5.00	10.0	_
Building Construction	Building Construction	1/15/2025	6/10/2025	5.00	105	_
Paving	Paving	6/11/2025	6/19/2025	5.00	7.00	_
Architectural Coating	Architectural Coating	6/20/2025	6/30/2025	5.00	7.00	_

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Grading	Excavators	Diesel	Average	2.00	8.00	36.0	0.38
Grading	Graders	Diesel	Average	1.00	8.00	148	0.41
Grading	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Grading	Scrapers	Diesel	Average	2.00	8.00	423	0.48
Grading	Tractors/Loaders/Backh oes	Diesel	Average	2.00	8.00	84.0	0.37
Building Construction	Cranes	Diesel	Average	1.00	7.00	367	0.29
Building Construction	Forklifts	Diesel	Average	3.00	8.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Building Construction	Tractors/Loaders/Backh oes	Diesel	Average	3.00	7.00	84.0	0.37
Building Construction	Welders	Diesel	Average	1.00	8.00	46.0	0.45
Paving	Pavers	Diesel	Average	2.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Average	2.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
Architectural Coating	Air Compressors	Diesel	Average	1.00	6.00	37.0	0.48

5.2.2. Mitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Grading	Excavators	Diesel	Tier 4 Final	2.00	8.00	36.0	0.38
Grading	Graders	Diesel	Tier 4 Final	1.00	8.00	148	0.41
Grading	Rubber Tired Dozers	Diesel	Tier 4 Final	1.00	8.00	367	0.40
Grading	Scrapers	Diesel	Tier 4 Final	2.00	8.00	423	0.48
Grading	Tractors/Loaders/Backh oes	Diesel	Tier 4 Final	2.00	8.00	84.0	0.37
Building Construction	Cranes	Diesel	Tier 4 Final	1.00	7.00	367	0.29
Building Construction	Forklifts	Diesel	Tier 4 Final	3.00	8.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Building Construction	Tractors/Loaders/Backh oes	Diesel	Tier 4 Final	3.00	7.00	84.0	0.37
Building Construction	Welders	Diesel	Average	1.00	8.00	46.0	0.45
Paving	Pavers	Diesel	Tier 4 Final	2.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Tier 4 Final	2.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
Architectural Coating	Air Compressors	Diesel	Average	1.00	6.00	37.0	0.48

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Тгір Туре	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Grading	_	_	_	_
Grading	Worker	20.0	11.7	LDA,LDT1,LDT2
Grading	Vendor	4.00	8.40	HHDT,MHDT
Grading	Hauling	0.00	20.0	HHDT
Grading	Onsite truck	_	_	HHDT
Building Construction	_	_	_	_

Building Construction	Worker	72.4	11.7	LDA,LDT1,LDT2
Building Construction	Vendor	28.3	8.40	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	_	_	HHDT
Paving	_	_	_	_
Paving	Worker	15.0	11.7	LDA,LDT1,LDT2
Paving	Vendor	_	8.40	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	_	_	HHDT
Architectural Coating	_	_	_	_
Architectural Coating	Worker	14.5	11.7	LDA,LDT1,LDT2
Architectural Coating	Vendor	_	8.40	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	_	_	HHDT

5.3.2. Mitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Grading	_	_	_	_
Grading	Worker	20.0	11.7	LDA,LDT1,LDT2
Grading	Vendor	4.00	8.40	HHDT,MHDT
Grading	Hauling	0.00	20.0	HHDT
Grading	Onsite truck	_	_	HHDT
Building Construction	_	_	_	_
Building Construction	Worker	72.4	11.7	LDA,LDT1,LDT2
Building Construction	Vendor	28.3	8.40	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	_	_	HHDT

Paving	_		_	_
Paving	Worker	15.0	11.7	LDA,LDT1,LDT2
Paving	Vendor	_	8.40	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	_	_	HHDT
Architectural Coating	_	_	_	_
Architectural Coating	Worker	14.5	11.7	LDA,LDT1,LDT2
Architectural Coating	Vendor	_	8.40	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	_	_	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	0.00	0.00	258,570	86,190	17,955

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (cy)	Material Exported (cy)	Acres Graded (acres)	Material Demolished (sq. ft.)	Acres Paved (acres)
Grading	_	_	30.0	0.00	_
Paving	0.00	0.00	0.00	0.00	6.87

5.6.2. Construction Earthmoving Control Strategies

Non-applicable. No control strategies activated by user.

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Refrigerated Warehouse-No Rail	0.00	0%
Parking Lot	3.89	100%
User Defined Recreational	0.00	0%
Other Non-Asphalt Surfaces	2.98	0%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2025	0.00	204	0.03	< 0.005

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Total all Land Uses	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

5.9.2. Mitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Total all Land Uses	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

5.10.1.2. Mitigated

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
0	0.00	258,570	86,190	17,955

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	180

5.10.4. Landscape Equipment - Mitigated

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	180

5.11. Operational Energy Consumption

5.11.1. Unmitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Refrigerated Warehouse-No Rail	4,217,670	204	0.0330	0.0040	855,206
Parking Lot	148,437	204	0.0330	0.0040	0.00

User Defined Recreational	0.00	204	0.0330	0.0040	0.00
Other Non-Asphalt Surfaces	0.00	204	0.0330	0.0040	0.00

5.11.2. Mitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

		(, , ,			
Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Refrigerated Warehouse-No Rail	4,217,670	204	0.0330	0.0040	855,206
Parking Lot	148,437	204	0.0330	0.0040	0.00
User Defined Recreational	0.00	204	0.0330	0.0040	0.00
Other Non-Asphalt Surfaces	0.00	204	0.0330	0.0040	0.00

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Refrigerated Warehouse-No Rail	39,862,875	1,944,590
Parking Lot	0.00	0.00
User Defined Recreational	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00

5.12.2. Mitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Refrigerated Warehouse-No Rail	39,862,875	1,944,590
Parking Lot	0.00	0.00
User Defined Recreational	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Refrigerated Warehouse-No Rail	162	_
Parking Lot	0.00	_
User Defined Recreational	0.00	_
Other Non-Asphalt Surfaces	0.00	_

5.13.2. Mitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Refrigerated Warehouse-No Rail	162	_
Parking Lot	0.00	_
User Defined Recreational	0.00	_
Other Non-Asphalt Surfaces	0.00	_

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Refrigerated Warehouse-No Rail	Cold storage	R-404A	3,922	7.50	7.50	7.50	25.0

5.14.2. Mitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Refrigerated Warehouse-No Rail	Cold storage	R-407F	1,825	7.50	7.50	7.50	25.0

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Forklifts	Diesel	Average	21.0	8.00	82.0	0.20

5.15.2. Mitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Forklifts	Diesel	Average	21.0	8.00	82.0	0.20

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

Equipment Type	Fuel Type	Number per Day	Hours per Day	Hours per Year	Horsepower	Load Factor
Emergency Generator	Diesel	1.00	4.00	100	5.00	0.73
Fire Pump	Diesel	1.00	4.00	100	5.00	0.73

5.16.2. Process Boilers

Equipment Type	Fuel Type	Number	Boiler Rating (MMBtu/hr)	Daily Heat Input (MMBtu/day)	Annual Heat Input (MMRtu/yr)
Lquipinient Type	i dei Type	Number	Doller Rating (MMDtu/III)	Daily Fleat Input (MiMbtu/day)	Ailidai i leat iriput (MiMbtu/yi)

5.17. User Defined

Equipment Type	Fuel Type
_	_
_	_

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type

Vegetation Soil Type

Initial Acres

Final Acres

5.18.1.2. Mitigated

Vegetation Land Use Type Vegetation Soil Type Initial Acres Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type Initial Acres Final Acres

5.18.1.2. Mitigated

Biomass Cover Type Initial Acres Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type | Number | Electricity Saved (kWh/year) | Natural Gas Saved (btu/year)

5.18.2.2. Mitigated

Tree Type Number Electricity Saved (kWh/year) Natural Gas Saved (btu/year)

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	19.0	annual days of extreme heat
Extreme Precipitation	4.95	annual days with precipitation above 20 mm
Sea Level Rise	0.00	meters of inundation depth
Wildfire	0.00	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider different increments of sea level rise coupled with extreme storm events. Users may select from four model simulations to view the range in potential inundation depth for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 50 meters (m) by 50 m, or about 164 feet (ft) by 164 ft.

Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	N/A	N/A	N/A	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A

Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	N/A	N/A	N/A	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.

The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.

The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	N/A	N/A	N/A	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	N/A	N/A	N/A	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.

The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.

The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator

22.2
27.0
37.4
37.4
64.3
64.0
59.0
59.3
_
0.00
86.3
88.1
58.7
52.9
95.3
67.9
92.7
_
75.7
62.4
79.0
64.0
33.6

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract Result for Project Census Tract
Economic	_
Above Poverty	27.48620557
Employed	12.39573977
Median HI	28.30745541
Education	_
Bachelor's or higher	21.46798409
High school enrollment	6.210701912
Preschool enrollment	14.35904016
Transportation	_
Auto Access	16.74579751
Active commuting	52.20069293
Social	_
2-parent households	27.53753368
Voting	30.6685487
Neighborhood	_
Alcohol availability	49.62145515
Park access	62.53047607
Retail density	36.41729757
Supermarket access	32.42653664
Tree canopy	69.11330681
Housing	_
Homeownership	31.38714231
Housing habitability	40.75452329
Low-inc homeowner severe housing cost burden	63.7495188
Low-inc renter severe housing cost burden	28.85923264
Uncrowded housing	30.12960349

Health Outcomes	_
Insured adults	34.83895804
Arthritis	33.8
Asthma ER Admissions	7.2
High Blood Pressure	31.6
Cancer (excluding skin)	63.4
Asthma	18.0
Coronary Heart Disease	51.0
Chronic Obstructive Pulmonary Disease	25.1
Diagnosed Diabetes	36.9
Life Expectancy at Birth	26.7
Cognitively Disabled	33.5
Physically Disabled	45.1
Heart Attack ER Admissions	18.8
Mental Health Not Good	25.4
Chronic Kidney Disease	45.1
Obesity	20.7
Pedestrian Injuries	83.2
Physical Health Not Good	31.5
Stroke	34.3
Health Risk Behaviors	_
Binge Drinking	48.9
Current Smoker	20.2
No Leisure Time for Physical Activity	33.2
Climate Change Exposures	_
Wildfire Risk	0.0
SLR Inundation Area	40.9

Children	37.8
Elderly	74.7
English Speaking	34.0
Foreign-born	62.2
Outdoor Workers	13.3
Climate Change Adaptive Capacity	_
Impervious Surface Cover	39.1
Traffic Density	54.7
Traffic Access	56.6
Other Indices	_
Hardship	70.9
Other Decision Support	_
2016 Voting	32.5

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	84.0
Healthy Places Index Score for Project Location (b)	16.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	No
Project Located in a Low-Income Community (Assembly Bill 1550)	Yes
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

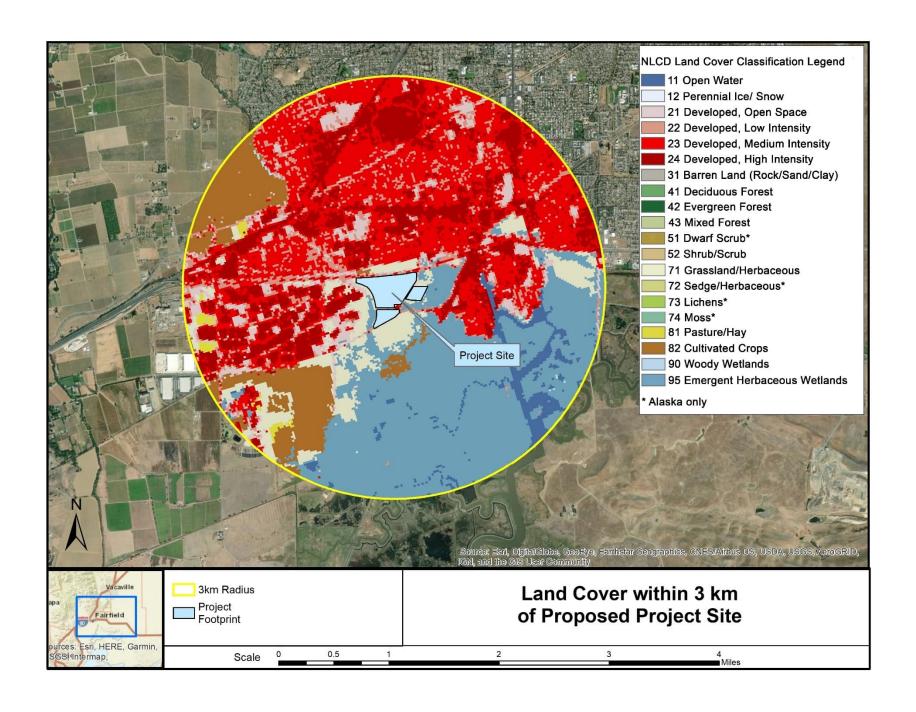
8. User Changes to Default Data

Screen	Justification
Land Use	Reduced Footprint Building C + related onsite infrastructure/land use.
Construction: Construction Phases	Reduced Footprint adjusted construction schedule of 6-months duration; no demolition and site prep occurs during Whole Site Preparation phase.
Operations: Off-Road Equipment	Assumed 365 days of operations per year for onsite equipment.

Attachment B Rural versus Urban Determination

APPENDIX B

Rural vs. Urban Analysis



CATEGORY ID	CLASSIFICATION NAME	COUNT
11	Open Water:	859
12	Perennial Ice/Snow:	0
21	Developed, Open Space:	1648
22	Developed, Low Intensity:	2444
23	Developed, Medium Intensity:	8489
24	Developed, High Intensity:	4784
31	Barren Land (Rock/Sand/Clay):	0
32	Unconsolidated Shore:	0
41	Deciduous Forest:	0
42	Evergreen Forest:	0
43	Mixed Forest:	0
51	Dwarf Scrub:	0
52	Shrub/Scrub:	0
71	Grasslands/Herbaceous:	2326
72	Sedge/Herbaceous:	0
73	Lichens:	0
74	Moss:	0
81	Pasture/Hay:	159
82	Cultivated Crops:	2591
90	Woody Wetlands:	20
91	Palustrine Forested Wetland:	0
92	Palustrine Scrub/Shrub Wetland:	0
93	Estuarine Forested Wetland:	0
94	Estuarine Scrub/Shrub Wetland:	0
95	Emergent Herbaceous Wetland:	8095
96	Palustrine Emergent Wetland (Pe:	0
97	Estuarine Emergent Wetland:	0
98	Palustrine Aquatic Bed:	0
99	Estuarine Aquatic Bed:	0
	Total:	31415
	Urban	42%

Attachment C Health Risk Assessment and PM_{2.5} Modeling Inputs (Project)

Construction Road Segments (Cars) - UNMITIGATED																20:	24	20	125	20.	26	2024	2025	2026	2024	2025	2026
	Road Width	Road Width	Base		Line Volume	Release Height fron	Initial Lateral	Initial Vertical	# Volume	Total Length	g/s per vol (1		Multiplier (1=one-			Exhaust DPM	Total PM2.5	Exhaust DPM	Total PM2.5	Exhaust DPM	Total PM2.5	Total PM2.5	Total PM2.5	Total PM2.5	ROG	ROG	ROG
Road	(ft)	(m)	Elevation	SourceID	Src Type	(m)	Dimension (m)	Dimension (m)	Sources	(m)	g/s)	Route	way, 2=two-way)	Route	Notes	(lb/yr)	(lb/yr)	(lb/yr)	(lb/yr)	(lb/yr)	(lb/yr)	(g/s/vol)	(g/s/vol)	(g/s/vol)	(ton/yr)	(ton/yr)	(ton/yr)
Penn Ave South from SR 12 and South to Project Entrance	50.00	15.24	varies - AERMAP	PEN1	Adjacent	1.30	varies - based on plume width	1.21	19	393.8	5.2632E-02	Inbound and Outbound	2	r3	All Constr	1.10E-01	1.28E+00	1.87E-01	2.01E+00	1.20E-01	1.33E+00	3.26146E-06	8.80540E-06	4.06400E-06	1.20E-03	1.79E-03	1.12E-03
Cordella Rd West of Penn Ave and East of Beck Rd	25.00	7.62	varies - AERMAP	COR2	Adjacent	1.30	varies - based on plume width	1.21	37	500.2	2.7027E-02	Inbound and Outbound	2	r3	All Constr	1.40E-01	1.62E+00	2.37E-01	2.56E+00	1.53E-01	1.69E+00	2.12731E-06	5.74340E-06	2.65078E-06	1.52E-03	2.27E-03	1.43E-03
Penn Ave South of Project Entrance and North of Cordella Rd	50.00	15.24	varies - AERMAP	PEN2	Adjacent	1.30	varies - based on plume width	1.21	11	243.2	9.0909E-02	Inbound and Outbound	2	r3	All Constr	6.81E-02	7.90E-01	1.15E-01	1.24E+00	7.42E-02	8.20E-01	3.47905E-06	9.39286E-06	4.33514E-06	7.40E-04	1.10E-03	6.93E-04
Penn Ave Northbound North from SR 12 and South of Vi Texas St	25	7.62	varies - AERMAP	PEN3	Adjacent	1.30	varies - based on plume width	1.21	64	867.4	1.5625E-02	Outbound	1	r1	40%	5.71E-02	6.62E-01	9.66E-02	1.04E+00	6.23E-02	6.88E-01	5.01422E-07	1.35376E-06	6.24807E-07	6.20E-04	9.26E-04	5.81E-04
Penn Ave Southbound North from SR 12 and South of Vi Texas St	25	7.62	varies - AERMAP	PEN4	Adjacent	1.30	varies - based on plume width	1.21	64	870	1.5625E-02	Inbound	1	r1	40%	5.73E-02	6.64E-01	9.69E-02	1.05E+00	6.24E-02	6.90E-01	5.02925E-07	1.35782E-06	6.26680E-07	6.22E-04	9.29E-04	5.83E-04
SR 12 Westbound West of Chadbourne Rd and East of Beck Ave	30	9.14	varies - AERMAP	HY03	Adjacent	1.30	varies - based on plume width	1.21	101	1535.1	9.9010E-03	Outbound	1	r2	60%	1.12E-01	1.30E+00	1.90E-01	2.05E+00	1.22E-01	1.35E+00	6.24276E-07	1.68544E-06	7.77892E-07	1.22E-03	1.82E-03	1.14E-03
SR 12 Eastbound West of Chadbourne Rd and East of Beck Ave	30	9.14	varies - AERMAP	HY04	Adjacent	1.30	varies - based on plume width	1.21	102	1539.4	9.8039E-03	Inbound	1	г2	60%	1.13E-01	1.30E+00	1.90E-01	2.06E+00	1.23E-01	1.36E+00	6.19888E-07	1.67359E-06	7.72423E-07	1.22E-03	1.83E-03	1.15E-03
SR 12 Westbound West of Beck Ave and East of Penn Ave	30	9.14	varies - AERMAP	HY05	Adjacent	1.30	varies - based on plume width	1.21	91	1370.9	1.0989E-02	Outbound	1	г2	60%	1.00E-01	1.16E+00	1.70E-01	1.83E+00	1.09E-01	1.21E+00	6.18765E-07	1.67056E-06	7.71025E-07	1.09E-03	1.63E-03	1.02E-03
SR 12 Eastbound West of Beck Ave and East of Penn Ave	30	9.14	varies - AERMAP	HY06	Adjacent	1.30	varies - based on plume width	1.21	91	1375.3	1.0989E-02	Inbound	1	r2	60%	1.01E-01	1.17E+00	1.70E-01	1.84E+00	1.10E-01	1.21E+00	6.20751E-07	1.67593E-06	7.73500E-07	1.09E-03	1.63E-03	1.02E-03
Penn Ave Northbound North of West Texas Street and North of Travis Blvd	25	7.62	varies - AERMAP	PEN5	Adjacent	1.30	varies - based on plume width	1.21	73	988.2	1.3699E-02	Outbound	1	r1	40%	6.51E-02	7.54E-01	1.10E-01	1.19E+00	7.09E-02	7.84E-01	5.00825E-07	1.35215E-06	6.24063E-07	7.07E-04	1.06E-03	6.62E-04
Penn Ave Southbound North of West Texas Street and North of Travis Blvd	25	7.62	varies - AFRMAP	PEN6	Adjacent	1.30	varies - based on plume width	1.21	73	991.4	1.3699E-02	Inbound	1	r1	40%	6.53E-02	7.57E-01	1.10E-01	1.19E+00	7.12E-02	7.86E-01	5.02447E-07	1.35652E-06	6.26084E-07	7.09E-04	1.06E-03	6.64E-04

	Beginni	ng 2024
Route Length	meters	miles
Inbound East	4051.9	2.517734
Outbound West	4043.2	2.512328
Inbound South	2998.6	1.863244
Outbound North	2992.8	1.85964
Northern Route	5991.4	
Hwy 12 Route	8095.7	
Penn Ave	7043.25	4.376473
Avg.		4.376473
Route %	409	6 r1
	609	6 r2
	1009	ь r3
	Hours	Voor

Total Hours/12 months of Construction	Hours	Year
Total Hours/12 months of Construction	2600	2024
Total Hours/10 months of Construction	1517	2025
Total Hours/10 months of Construction	2167	2026

Construction Road Segments (Trucks) - UNMITIGAT	Road Segments (Trucks) - UNMITIGATED															20	24	20	2025 2026		16	2024	2025	2026
	Road	Road	Base		Line								Multiplier											
	Width	Width	Elevatio		Volume	Release	Initial Lateral	Initial Vertical	# Volume	Total Length	g/s per vol (1		(1=one-way,			Exhaust DPM	Total PM2.5	Exhaust DPM	Total PM2.5	Exhaust DPM	Total PM2.5	Total PM2.5	Total PM2.5	Total PM2.5
Road	(ft)	(m)	n	SourceID	Src Type	Height (m)	Dimension (m)	Dimension (m)	Sources	(m)	g/s)	Route	2=two-way)	Route	Notes	(lb/yr)	(lb/yr)	(lb/yr)	(lb/yr)	(lb/yr)	(lb/yr)	(g/s/vol)	(g/s/vol)	(g/s/vol)
Penn Ave South from SR 12 and South to Project	50.00	15.24	varies -	PEN1	Adiacent	3.40	varies - based	3.16	10	393.8	5.2632E-02												i .	
Entrance	50.00	10.24	AERMAP	1 2.141	rajacent	5.40	on plume	5.10	.,	575.0	D.ZOOZE OZ	Inbound and Outbound	2	r3	All Constr	1.08E-01	6.34E-01	1.91E-01	1.17E+00	1.26E-01	7.76E-01	1.61613E-06	5.13154E-06	2.37460E-06
Cordelia Rd West of Penn Ave and East of Beck Rd	25.00	7.62	varies - AERMAP	COR2	Adjacent	3.40	varies - based on plume	3.16	37	500.2	2.7027E-02	Inbound and Outbound	2	r3	All Constr	1.37E-01	8.05E-01	2.42E-01	1.49E+00	1.60E-01	9.86E-01	1.05414E-06	3.34709E-06	1.54885E-06
Penn Ave South of Project Entrance and North of	50.00	15.24	varies -	PEN2	Adiacent	3.40	varies - based	3.16	11	243.2	9.0909E-02												i	
Cordelia Rd		10.24	AERMAP	1 1.142	rajacent	5.40	on plume	5.10		240.2	7.07072 02	Inbound and Outbound	2	r3	All Constr	6.66E-02	3.91E-01	1.18E-01	7.25E-01	7.79E-02	4.79E-01	1.72395E-06	5.47389E-06	2.53302E-06
Penn Ave Northbound North from SR 12 and South	25	7.62	varies -	PEN3	Adiacent	3.40	varies - based	3.16	64	867.4	1.5625E-02	0.11		-	40%	5.59E-02	3.28E-01	9.88E-02	6.08E-01	6.53E-02	4.02E-01	2.48467E-07	7 00000 07	0.450355.03
of W Texas St Penn Ave Southbound North from SR 12 and South			AERMAP		,		on plume					Outbound		FI	40%	5.59E-02	3.28E-U1	9.88E-02	6.U8E-U1	6.5.9£-02	4.UZE-U1	2.4846/E-U/	7.88932E-07	3.65075E-07
of W Texas St	25	7.62	varies -	PEN4	Adjacent	3.40	varies - based on plume	3.16	64	870	1.5625E-02	Inbound	1	e1	40%	5.60E-02	3.29E-01	9.91E-02	6.10E-01	6.55E-02	4.03E-01	2.49212E-07	7.91297E-07	3.66170E-07
SR 12 Westbound West of Chadbourne Rd and East		1	varies -				varies - based					IIIDOGIIG		- ''	4076	3.00L-02	3.27L*01	7.71L*UZ	0. IOL-01	0.536-02	4.03E-01	2.47212L-07	7.7127712-07	3.001701-07
of Beck Ave	30	9.14	AERMAP	HY03	Adjacent	3.40	on plume	3.16	101	1535.1	9.9010E-03	Outbound	1	г2	60%	1.10E-01	6.45E-01	1.94E-01	1.19E+00	1.28E-01	7.90E-01	3.09344E-07	9.82229E-07	4.54523E-07
SR 12 Eastbound West of Chadbourne Rd and East	20	0.44	varies -	HY04	Adiacent	3.40	varies - based	3.16	400	1539.4	9.8039E-03													
of Beck Ave	30	9.14	AERMAP	HTU4	Aujacent	3.40	on plume	3.10	102	1539.4	9.0039E-03	Inbound	1	г2	60%	1.10E-01	6.47E-01	1.95E-01	1.20E+00	1.29E-01	7.92E-01	3.07170E-07	9.75324E-07	4.51327E-07
SR 12 Westbound West of Beck Ave and East of	20	9 14	varies -	HY05	Adiacent	3.40	varies - based	3.16	01	1370.9	1.0989E-02													
Penn Ave	30	9.14	AERMAP	nituo	Aujacent	3.40	on plume	3.10	91	1370.9	1.0969E-02	Outbound	1	г2	60%	9.80E-02	5.76E-01	1.73E-01	1.07E+00	1.15E-01	7.05E-01	3.06614E-07	9.73558E-07	4.50510E-07
SR 12 Eastbound West of Beck Ave and East of	20	0.14	varies -	HY06	Adjacent	3.40	varies - based	3.16	01	1375.3	1.0989E-02												i .	1
Penn Ave	30	7.14	AERMAP	11100	Aujacent	3.40	on plume	3.10	71	1373.3	1.0909L-02	Inbound	1	г2	60%	9.83E-02	5.78E-01	1.74E-01	1.07E+00	1.15E-01	7.07E-01	3.07598E-07	9.76683E-07	4.51956E-07
Penn Ave Northbound North of West Texas Street	25	7.62	varies -	PEN5	Adjacent	3.40	varies - based	3.16	73	988.2	1.3699E-02												ı	1
and North of Travis Blvd	2.0	7.02	AERMAP	I LIVO	rajacent	5.40	on plume	5.10	,,,	700.2	1.50772 02	Outbound	1	r1	40%	6.36E-02	3.74E-01	1.13E-01	6.93E-01	7.44E-02	4.58E-01	2.48171E-07	7.87993E-07	3.64641E-07
Penn Ave Southbound North of West Texas Street	25	7.62	varies -	PEN6	Adiacent	3.40	varies - based	3.16	73	991.4	1.3699E-02			1 -	40%	/ nor no	3.75E-01	1.13E-01	/ 055 04	7.445.00	4 505 04	0.400355.03	7.005445.03	0.450045.03
and North of Travis Blvd		1	AERMAP		,		on plume					Inbound		r1	40%	6.38E-02	3.75E-01	1.13E-01	6.95E-01	7.46E-02	4.59E-01	2.48975E-07	7.90544E-07	3.65821E-07

Beginnir	ng 2024
meters	miles
4051.9	2.517734
4043.2	2.512328
2998.6	1.863244
2992.8	1.85964
5991.4	3.722883 r
8095.1	5.030062 r
7043.25	
	4.376473
40%	r1
60%	r2
100%	r3
	meters 4051.9 4043.2 2998.6 2992.8 5991.4 8095.1 7043.25 40% 60%

| Hours | Year | Total Hours/12 months of Construction | 2600 | 2024 | 2024 | 2025 | 2024 | 2025 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | 2

- Interest of the second of th					CONSTR	RUCTION YEAR 202	4					
											Penn Ave	Penn Ave
	EMFAC			Penn Ave South	Penn Ave	Penn Ave	SR 12 Westbound	SR 12 Eastbound			Northbound	Southbound
	Gasoline TOG	Penn Ave South		of Project	Northbound	Southbound	West of	West of	SR 12 Westbound	SR 12 Eastbound	North of West	North of West
Toxic Compounds (lb/yr)	Speciation	from SR 12 and	Cordelia Rd West	Entrance and	North from SR 12	North from SR 12	Chadbourne Rd	Chadbourne Rd	West of Beck Ave	West of Beck Ave	Texas Street and	Texas Street and
	Speciation	South to Project	of Penn Ave and	North of Cordelia	and South of W	and South of W	and East of Beck	and East of Beck	and East of Penn	and East of Penn	North of Travis	North of Travis
		Entrance	East of Beck Rd	Rd	Texas St	Texas St	Ave	Ave	Ave	Ave	Blvd	Blvd
	(% of TOG)	PEN1	COR2	PEN2	PEN3	PEN4	HY03	HY04	HY05	HY06	PEN5	PEN6
Acetaldehyde	0.28%	6.71E-03	8.52E-03		3.47E-03		6.83E-03			6.12E-03	3.96E-03	3.97E-03
Acrolein	0.13%	3.11E-03	3.96E-03	1.92E-03	1.61E-03		3.17E-03	3.18E-03	2.83E-03	2.84E-03	1.84E-03	1.84E-03
Benzene	2.47%	5.92E-02	7.52E-02	3.65E-02	3.06E-02	3.07E-02	6.02E-02	6.04E-02	5.38E-02	5.39E-02	3.49E-02	3.50E-02
1,3-Butadiene	0.55%	1.32E-02	1.67E-02	8.14E-03	6.82E-03	6.85E-03	1.34E-02	1.34E-02	1.20E-02	1.20E-02	7.78E-03	7.80E-03
Ethylbenzene	1.05%	2.52E-02	3.20E-02	1.55E-02	1.30E-02	1.31E-02	2.56E-02	2.57E-02	2.29E-02	2.29E-02	1.48E-02	1.49E-02
Formaldehyde	1.58%	3.79E-02	4.81E-02	2.34E-02	1.96E-02	1.97E-02	3.85E-02	3.86E-02	3.44E-02	3.45E-02	2.23E-02	2.24E-02
Hexane	1.60%	3.83E-02	4.87E-02	2.37E-02	1.99E-02	1.99E-02	3.90E-02	3.91E-02	3.48E-02	3.49E-02	2.26E-02	2.27E-02
Methanol	0.12%	2.88E-03	3.65E-03	1.78E-03	1.49E-03	1.49E-03	2.93E-03	2.93E-03	2.61E-03	2.62E-03	1.70E-03	1.70E-03
Methyl Ethyl Ketone	0.02%	4.79E-04	6.09E-04	2.96E-04	2.48E-04	2.49E-04	4.88E-04	4.89E-04	4.35E-04	4.37E-04	2.83E-04	2.84E-04
Naphthalene	0.05%	1.20E-03	1.52E-03	7.40E-04	6.20E-04	6.22E-04	1.22E-03	1.22E-03	1.09E-03	1.09E-03	7.07E-04	7.09E-04
Propylene	3.06%	7.33E-02	9.31E-02	4.53E-02	3.80E-02	3.81E-02	7.46E-02	7.48E-02	6.66E-02	6.68E-02	4.33E-02	4.34E-02
Styrene	0.12%	2.88E-03	3.65E-03	1.78E-03	1.49E-03	1.49E-03	2.93E-03	2.93E-03	2.61E-03	2.62E-03	1.70E-03	1.70E-03
Toluene	5.76%	1.38E-01	1.75E-01	8.52E-02	7.15E-02	7.17E-02	1.40E-01	1.41E-01	1.25E-01	1.26E-01	8.14E-02	8.17E-02
Xylenes	4.80%	1.15E-01	1.46E-01	7.10E-02	5.96E-02	5.97E-02	1.17E-01	1.17E-01	1.05E-01	1.05E-01	6.79E-02	6.81E-02
Data.	I (2) >	DENIA		DELLO	25110		10/00	1,000	10/05	10/0/	25115	55111
lb/hr	(% of TOG)	PEN1	COR2	PEN2	PEN3	PEN4	HY03	HY04	HY05	HY06	PEN5	PEN6
Acetaldehyde	0.28%	7.66E-07	9.73E-07	4.73E-07	3.97E-07		7.79E-07	7.81E-07	6.96E-07	6.98E-07	4.52E-07	4.53E-07
Acrolein	0.13%	3.56E-07	4.52E-07	2.20E-07	1.84E-07	1.85E-07	3.62E-07	3.63E-07	3.23E-07	3.24E-07	2.10E-07	2.10E-07
Benzene	2.47%	6.76E-06	8.58E-06	4.17E-06	3.50E-06	3.51E-06	6.87E-06	6.89E-06	6.14E-06	6.16E-06	3.99E-06	4.00E-06
1,3-Butadiene	0.55%	1.50E-06	1.91E-06	9.29E-07	7.79E-07		1.53E-06	1.53E-06	1.37E-06	1.37E-06	8.88E-07	8.90E-07
Ethylbenzene	1.05%	2.87E-06	3.65E-06	1.77E-06	1.49E-06	1.49E-06	2.92E-06	2.93E-06	2.61E-06	2.62E-06	1.69E-06	1.70E-06
Formaldehyde	1.58%	4.32E-06	5.49E-06	2.67E-06	2.24E-06		4.40E-06	4.41E-06	3.93E-06	3.94E-06	2.55E-06	2.56E-06
Hexane	1.60%	4.38E-06	5.56E-06	2.70E-06	2.27E-06		4.45E-06	4.47E-06	3.98E-06	3.99E-06	2.58E-06	2.59E-06
Methanol	0.12%	3.28E-07	4.17E-07	2.03E-07	1.70E-07	1.70E-07	3.34E-07	3.35E-07	2.98E-07	2.99E-07	1.94E-07	1.94E-07
Methyl Ethyl Ketone	0.02%	5.47E-08	6.95E-08	3.38E-08	2.83E-08		5.57E-08	5.58E-08	4.97E-08	4.99E-08	3.23E-08	3.24E-08
Naphthalene	0.05%	1.37E-07	1.74E-07	8.45E-08	7.08E-08		1.39E-07	1.40E-07	1.24E-07	1.25E-07	8.07E-08	
Propylene	3.06%	8.37E-06	1.06E-05	5.17E-06	4.33E-06		8.52E-06	8.54E-06		7.63E-06	4.94E-06	4.95E-06
Styrene	0.12%	3.28E-07	4.17E-07	2.03E-07	1.70E-07		3.34E-07	3.35E-07	2.98E-07	2.99E-07	1.94E-07	1.94E-07
Toluene	5.76%	1.58E-05	2.00E-05	9.73E-06	8.16E-06		1.60E-05	1.61E-05		1.44E-05	9.30E-06	9.33E-06
Xylenes	4.80%	1.31E-05	1.67E-05	8.11E-06	6.80E-06	6.82E-06	1.34E-05	1.34E-05	1.19E-05	1.20E-05	7.75E-06	7.77E-06

Unmitigated

Ommitigated						CONSTRUCTION YEAR	2025					
Toxic Compounds (lb/yr)	EMFAC Gasoline TOG Speciation	Penn Ave South from SR 12 and South to Project Entrance	Cordelia Rd West of Penn Ave and East of Beck Rd	Penn Ave South of Project Entrance and North of Cordelia Rd	Penn Ave Northbound North from SR 12 and South of W Texas St			SR 12 Eastbound West of Chadbourne Rd and East of Beck Ave			Penn Ave Northbound North of West Texas Street and North of Travis Blvd	Penn Ave Southbound North of West Texas Street and North of Travis Blvd
	(% of TOG)	PEN1	COR2	PEN2	PEN3	PEN4	HY03	HY04	HY05	HY06	PEN5	PEN6
Acetaldehyde	0.28%	1.00E-02	1.27E-02	6.19E-03	5.19E-03	5.20E-03	1.02E-02	1.02E-02	9.10E-03	9.13E-03	5.91E-03	5.93E-03
Acrolein	0.13%	4.65E-03	5.91E-03	2.87E-03	2.41E-03	2.42E-03	4.73E-03	4.75E-03	4.23E-03	4.24E-03	2.74E-03	2.75E-03
Benzene	2.47%	8.84E-02	1.12E-01	5.46E-02	4.58E-02	4.59E-02	8.99E-02	9.02E-02	8.03E-02	8.05E-02	5.21E-02	
1,3-Butadiene	0.55%	1.97E-02	2.50E-02	1.22E-02	1.02E-02	1.02E-02	2.00E-02	2.01E-02	1.79E-02	1.79E-02	1.16E-02	1.16E-02
Ethylbenzene	1.05%	3.76E-02	4.77E-02	2.32E-02	1.95E-02	1.95E-02	3.82E-02	3.83E-02	3.41E-02	3.42E-02	2.22E-02	2.22E-02
Formaldehyde	1.58%	5.65E-02	7.18E-02	3.49E-02	2.93E-02	2.94E-02	5.75E-02	5.77E-02	5.14E-02	5.15E-02		3.35E-02
Hexane	1.60%	5.72E-02	7.27E-02	3.53E-02	2.96E-02	2.97E-02	5.82E-02	5.84E-02	5.20E-02	5.22E-02		3.39E-02
Methanol	0.12%	4.29E-03	5.45E-03	2.65E-03	2.22E-03	2.23E-03	4.37E-03	4.38E-03	3.90E-03	3.91E-03	2.53E-03	2.54E-03
Methyl Ethyl Ketone	0.02%	7.15E-04	9.09E-04	4.42E-04	3.71E-04	3.72E-04	7.28E-04	7.30E-04	6.50E-04	6.52E-04	4.22E-04	4.23E-04
Naphthalene	0.05%	1.79E-03	2.27E-03	1.10E-03	9.26E-04	9.29E-04	1.82E-03	1.83E-03	1.63E-03	1.63E-03	1.06E-03	1.06E-03
Propylene	3.06%	1.09E-01	1.39E-01	6.76E-02	5.67E-02	5.69E-02	1.11E-01	1.12E-01	9.95E-02	9.98E-02	6.46E-02	6.48E-02
Styrene	0.12%	4.29E-03	5.45E-03	2.65E-03	2.22E-03	2.23E-03	4.37E-03	4.38E-03	3.90E-03	3.91E-03	2.53E-03	
Toluene	5.76%	2.06E-01	2.62E-01	1.27E-01	1.07E-01	1.07E-01	2.10E-01	2.10E-01	1.87E-01	1.88E-01	1.22E-01	1.22E-01
Xylenes	4.80%	1.72E-01	2.18E-01	1.06E-01	8.89E-02	8.92E-02	1.75E-01	1.75E-01	1.56E-01	1.57E-01	1.01E-01	1.02E-01
lb/hr	(% of TOG)	PEN1	COR2	PEN2	PEN3	PEN4	HY03	HY04	HY05	HY06	PEN5	PEN6
Acetaldehyde	0.28%	1.14E-06	1.45E-06	7.06E-07	5.92E-07	5.94E-07	1.16E-06		1.04E-06	1.04E-06		6.77E-07
Acrolein	0.13%	5.31E-07	6.74E-07	3.28E-07	2.75E-07	2.76E-07	5.40E-07	5.42E-07	4.82E-07	4.84E-07	3.13E-07	3.14E-07
Benzene	2.47%	1.01E-05	1.28E-05	6.23E-06	5.22E-06	5.24E-06	1.03E-05	1.03E-05	9.17E-06	9.19E-06		
1,3-Butadiene	0.55%	2.25E-06	2.85E-06	1.39E-06	1.16E-06	1.17E-06	2.29E-06	2.29E-06	2.04E-06	2.05E-06		
Ethylbenzene	1.05%	4.29E-06	5.45E-06	2.65E-06	2.22E-06	2.23E-06	4.36E-06	4.38E-06	3.90E-06	3.91E-06		2.54E-06
Formaldehyde	1.58%	6.45E-06	8.20E-06	3.98E-06	3.34E-06	3.35E-06	6.56E-06	6.58E-06	5.86E-06	5.88E-06	3.81E-06	3.82E-06
Hexane	1.60%	6.53E-06	8.30E-06	4.04E-06	3.38E-06	3.39E-06	6.65E-06	6.67E-06	5.94E-06	5.96E-06		
Methanol	0.12%	4.90E-07	6.22E-07	3.03E-07	2.54E-07	2.55E-07	4.99E-07	5.00E-07	4.45E-07	4.47E-07	2.89E-07	2.90E-07
Methyl Ethyl Ketone	0.02%	8.17E-08	1.04E-07	5.04E-08	4.23E-08	4.24E-08	8.31E-08	8.33E-08	7.42E-08	7.45E-08		
Naphthalene	0.05%	2.04E-07	2.59E-07	1.26E-07	1.06E-07	1.06E-07	2.08E-07	2.08E-07	1.86E-07	1.86E-07	1.20E-07	1.21E-07
Propylene	3.06%	1.25E-05	1.59E-05	7.72E-06	6.47E-06	6.49E-06	1.27E-05	1.28E-05	1.14E-05	1.14E-05		
Styrene	0.12%	4.90E-07	6.22E-07	3.03E-07	2.54E-07	2.55E-07	4.99E-07	5.00E-07	4.45E-07	4.47E-07	2.89E-07	2.90E-07
Toluene	5.76%	2.35E-05	2.99E-05	1.45E-05	1.22E-05	1.22E-05	2.39E-05	2.40E-05	2.14E-05	2.14E-05		1.39E-05
Xylenes	4.80%	1.96E-05	2.49E-05	1.21E-05	1.02E-05	1.02E-05	1.99E-05	2.00E-05	1.78E-05	1.79E-05	1.16E-05	1.16E-05

Unmitigated

Olimitigated						CONSTRUCTION YEAR	R 2026					
	EMFAC Gasoline										Penn Ave Northbound	Penn Ave Southbound
Toxic Compounds (lb/yr)	TOG	Penn Ave South from SR		Penn Ave South of				SR 12 Eastbound West			North of West Texas	North of West Texas
	Speciation	12 and South to Project		Project Entrance and	North from SR 12 and	North from SR 12 and	of Chadbourne Rd and	of Chadbourne Rd and			Street and North of	Street and North of
		Entrance	Beck Rd	North of Cordelia Rd	South of W Texas St	South of W Texas St	East of Beck Ave	East of Beck Ave	Penn Ave	Penn Ave	Travis Blvd	Travis Blvd
	(% of TOG)	PEN1	COR2	PEN2	PEN3	PEN4	HY03	HY04	HY05	HY06	PEN5	PEN6
Acetaldehyde	0.28%	6.29E-03	7.99E-03	3.88E-03	3.26E-03	3.27E-03		6.41E-03	5.71E-03		3.71E-03	
Acrolein	0.13%	2.92E-03	3.71E-03	1.80E-03	1.51E-03	1.52E-03		2.98E-03	2.65E-03		1.72E-03	
Benzene	2.47%	5.55E-02	7.04E-02	3.42E-02	2.87E-02	2.88E-02		5.66E-02	5.04E-02		3.27E-02	
1,3-Butadiene	0.55%	1.23E-02	1.57E-02	7.63E-03	6.40E-03	6.41E-03		1.26E-02	1.12E-02		7.29E-03	
Ethylbenzene	1.05%	2.36E-02	2.99E-02	1.46E-02	1.22E-02	1.22E-02		2.41E-02	2.14E-02		1.39E-02	
Formaldehyde	1.58%	3.55E-02	4.51E-02	2.19E-02	1.84E-02	1.84E-02		3.62E-02	3.22E-02		2.09E-02	
Hexane	1.60%	3.59E-02	4.56E-02	2.22E-02	1.86E-02	1.87E-02		3.67E-02	3.26E-02		2.12E-02	2.13E-02
Methanol	0.12%	2.69E-03	3.42E-03	1.66E-03	1.40E-03	1.40E-03		2.75E-03	2.45E-03		1.59E-03	1.59E-03
Methyl Ethyl Ketone	0.02%	4.49E-04	5.70E-04	2.77E-04	2.33E-04	2.33E-04	4.57E-04	4.58E-04	4.08E-04		2.65E-04	2.66E-04
Naphthalene	0.05%	1.12E-03	1.43E-03	6.93E-04	5.81E-04	5.83E-04	1.14E-03	1.15E-03	1.02E-03		6.62E-04	6.64E-04
Propylene	3.06%	6.87E-02	8.73E-02	4.24E-02	3.56E-02	3.57E-02		7.01E-02	6.24E-02		4.05E-02	4.07E-02
Styrene	0.12%	2.69E-03	3.42E-03	1.66E-03	1.40E-03	1.40E-03		2.75E-03	2.45E-03		1.59E-03	
Toluene	5.76%	1.29E-01	1.64E-01	7.99E-02	6.70E-02	6.72E-02		1.32E-01	1.18E-01		7.63E-02	7.65E-02
Xylenes	4.80%	1.08E-01	1.37E-01	6.66E-02	5.58E-02	5.60E-02	1.10E-01	1.10E-01	9.79E-02	9.82E-02	6.36E-02	6.38E-02
	(0) (700)	DENIA	COR2	PEN2	PEN3	PEN4	HY03	10/04	LIVOE	LINO	PEN5	PEN6
Ib/hr	(% of TOG)	PEN1						HY04	HY05	HY06		
Acetaldehyde Acrolein	0.28%	7.18E-07 3.33E-07	9.12E-07 4.23E-07	4.43E-07 2.06E-07	3.72E-07 1.73E-07	3.73E-07 1.73E-07	7.30E-07 3.39E-07	7.32E-07 3.40E-07	6.52E-07 3.03E-07		4.23E-07 1.97E-07	4.25E-07 1.97E-07
Benzene	2.47%	6.33E-06	8.04E-06	3.91E-06	3.28E-06	3.29E-06		6.46E-06	5.75E-06		3.74E-06	
1,3-Butadiene	0.55%	1.41E-06	1.79E-06	8.71E-07	7.30E-07	7.32E-07	1.43E-06	1.44E-06	1.28E-06		8.32E-07	8.34E-07
Ethylbenzene	1.05%	2.69E-06	3.42E-06	1.66E-06	1.39E-06	1.40E-06		2.75E-06	2.45E-06		1.59E-06	1.59E-06
Formaldehyde	1.58%	4.05E-06	5.14E-06	2.50E-06	2.10E-06	2.10E-06	4.12E-06	4.13E-06	3.68E-06		2.39E-06	2.40E-06
Hexane	1.60%	4.10E-06	5.21E-06	2.53E-06	2.12E-06	2.13E-06	4.17E-06	4.18E-06	3.73E-06	3.74E-06	2.42E-06	2.43E-06
Methanol	0.12%	3.08E-07	3.91E-07	1.90E-07	1.59E-07	1.60E-07	3.13E-07	3.14E-07	2.79E-07		1.81E-07	1.82E-07
Methyl Ethyl Ketone	0.02%	5.13E-08	6.51E-08	3.17E-08	2.65E-08	2.66E-08	5.22E-08	5.23E-08	4.66E-08	4.67E-08	3.02E-08	3.03E-08
Naphthalene	0.05%	1.28E-07	1.63E-07	7.91E-08	6.64E-08	6.66E-08		1.31E-07	1.16E-07	1.17E-07	7.56E-08	7.59E-08
Propylene	3.06%	7.84E-06	9.96E-06	4.84E-06	4.06E-06	4.07E-06		8.00E-06	7.13E-06			4.64E-06
Styrene	0.12%	3.08E-07	3.91E-07	1.90E-07	1.59E-07	1.60E-07	3.13E-07	3.14E-07	2.79E-07		1.81E-07	1.82E-07
Toluene	5.76%	1.48E-05	1.88E-05	9.12E-06	7.65E-06	7.67E-06	1.50E-05	1.51E-05	1.34E-05	1.35E-05	8.71E-06	8.74E-06
Xylenes	4.80%	1.23E-05	1.56E-05	7.60E-06	6.37E-06	6.39E-06	1.25E-05	1.26E-05	1.12E-05	1.12E-05	7.26E-06	7.28E-06

HARP2 Emission Inputs (Unmitigated)

HARPZ EMISSION IN	,	<u> </u>		20	24
SRC ID	SRC No.	CAS	Pollutant	lb/yr	lb/hr
DEMO	1	9901	DieselExhPM	3.43E+02	
CONST_PHASE1	2		DieselExhPM	3.71E+01	
CONST_OFFSITE	3		DieselExhPM	1.89E+02	
PEN1	4		DieselExhPM	1.10E-01	
COR2	5		DieselExhPM	1.40E-01	
PEN2	6		DieselExhPM	6.81E-02	
PEN3	7		DieselExhPM	5.71E-02	
PEN4	8		DieselExhPM	5.73E-02	0.00E+00
HY03	9		DieselExhPM	1.12E-01	
HY04	10		DieselExhPM	1.13E-01	
HY05	11		DieselExhPM	1.00E-01	
HY06	12		DieselExhPM	1.01E-01	
PEN5	13		DieselExhPM	6.51E-02	0.00E+00
PEN6	14		DieselExhPM	6.53E-02	
PEN1_TRK	15		DieselExhPM	1.08E-01	
COR2 TRK	16		DieselExhPM	1.37E-01	
PEN2 TRK	17		DieselExhPM	6.66E-02	
PEN3_TRK	18		DieselExhPM	5.59E-02	0.00E+00
PEN4_TRK	19		DieselExhPM	5.60E-02	
HY03_TRK	20		DieselExhPM	1.10E-01	
HY04_TRK	21		DieselExhPM	1.10E-01	
HY05_TRK	22		DieselExhPM	9.80E-02	
HY06_TRK	23		DieselExhPM	9.83E-02	0.00E+00
PEN5_TRK	24		DieselExhPM	6.36E-02	
PEN6_TRK	25		DieselExhPM	6.38E-02	
PEN1	4		Acetaldehyde	6.71E-03	
PEN1	4		Acrolein	3.11E-03	
PEN1	4		Benzene	5.92E-02	
PEN1	4		1,3-Butadiene	1.32E-02	
PEN1	4		Ethylbenzene	2.52E-02	
PEN1	4		Formaldehyde	3.79E-02	
PEN1	4		Hexane	3.83E-02	
PEN1	4		Methanol	2.88E-03	
PEN1	4		Methyl Ethyl Ketone	4.79E-04	
PEN1	4		Naphthalene	1.20E-03	
PEN1	4		Propylene	7.33E-02	8.37E-06
PEN1	4		Styrene	2.88E-03	
PEN1	4		Toluene	1.38E-01	1.58E-05
PEN1	4	1330207		1.15E-01	1.30E-05
COR2	5		Acetaldehyde	8.52E-03	
COR2	5		Acrolein	3.96E-03	4.52E-07
COR2	5		Benzene	7.52E-02	
COR2	5		1,3-Butadiene	1.67E-02	1.91E-06
COR2	5		Ethylbenzene	3.20E-02	
CORZ	၁	100414	Lutybetizette	J.ZUE-UZ	J.05E-00

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COR2	5	50000	Formaldehyde	4.81E-02	5.49E-06
COR2	5	110543	Hexane	4.87E-02	5.56E-06
COR2	5	67561	Methanol	3.65E-03	4.17E-07
COR2	5	78933	Methyl Ethyl Ketone	6.09E-04	6.95E-08
COR2	5		Naphthalene	1.52E-03	1.74E-07
COR2	5		Propylene	9.31E-02	1.06E-05
COR2	5		Styrene	3.65E-03	4.17E-07
COR2	5		Toluene	1.75E-01	2.00E-05
COR2	5	1330207		1.46E-01	1.67E-05
PEN2	6		Acetaldehyde	4.14E-03	4.73E-07
PEN2	6		Acrolein	1.92E-03	2.20E-07
PEN2	6		Benzene	3.65E-02	4.17E-06
PEN2	6		1,3-Butadiene	8.14E-03	9.29E-07
PEN2	6		Ethylbenzene	1.55E-02	1.77E-06
PEN2	6		Formaldehyde	2.34E-02	2.67E-06
PEN2	6		Hexane	2.34L-02 2.37E-02	2.70E-06
PEN2	6		Methanol	1.78E-03	2.70E-00 2.03E-07
PEN2	6		Methyl Ethyl Ketone	2.96E-04	3.38E-08
PEN2	6		Naphthalene	7.40E-04	8.45E-08
PEN2	6		Propylene	4.53E-02	5.17E-06
PEN2	6			1.78E-03	2.03E-07
PEN2	6		Styrene Toluene	8.52E-02	9.73E-06
PEN2	6			7.10E-02	8.11E-06
PEN3	7	1330207	Acetaldehyde	3.47E-03	3.97E-07
PEN3	7		Acrolein	1.61E-03	1.84E-07
PEN3	7		Benzene	3.06E-02	3.50E-06
PEN3	7		1,3-Butadiene	6.82E-03	7.79E-07
PEN3	7		Ethylbenzene	1.30E-02	1.49E-06
PEN3	7		Formaldehyde	1.96E-02	2.24E-06
PEN3	7		Hexane	1.90E-02 1.99E-02	2.24E-06 2.27E-06
PEN3	7		Methanol	1.49E-02	
PEN3	7		Methyl Ethyl Ketone	2.48E-04	
PEN3	7		Naphthalene	6.20E-04	7.08E-08
PEN3	7		Propylene	3.80E-02	4.33E-06
PEN3	7		Styrene	1.49E-03	4.33E-06 1.70E-07
PEN3	7		Toluene	7.15E-02	8.16E-06
PEN3	7	1330207		5.96E-02	6.80E-06
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PEN4 PEN4			Accetaldehyde	3.48E-03	3.98E-07
	8		Acrolein	1.62E-03	1.85E-07
PEN4	8		Benzene	3.07E-02	3.51E-06
PEN4	8		1,3-Butadiene	6.85E-03	7.81E-07
PEN4	8		Ethylbenzene	1.31E-02	1.49E-06
PEN4	8		Formaldehyde	1.97E-02	2.24E-06
PEN4	8		Hexane	1.99E-02	2.27E-06
PEN4	8		Methanol	1.49E-03	1.70E-07
PEN4	8		Methyl Ethyl Ketone	2.49E-04	2.84E-08
PEN4	8	91203	Naphthalene	6.22E-04	7.10E-08

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PEN4	8		Propylene	3.81E-02	4.35E-06
PEN4	8		Styrene	1.49E-03	1.70E-07
PEN4	8		Toluene	7.17E-02	8.18E-06
PEN4	8	1330207		5.97E-02	6.82E-06
HY03	9		Acetaldehyde	6.83E-03	7.79E-07
HY03	9		Acrolein	3.17E-03	3.62E-07
HY03	9		Benzene	6.02E-02	6.87E-06
HY03	9		1,3-Butadiene	1.34E-02	1.53E-06
HY03	9		Ethylbenzene	2.56E-02	2.92E-06
HY03	9		Formaldehyde	3.85E-02	4.40E-06
HY03	9		Hexane	3.90E-02	4.45E-06
HY03	9		Methanol	2.93E-03	3.34E-07
HY03	9		Methyl Ethyl Ketone	4.88E-04	5.57E-08
HY03	9		Naphthalene	1.22E-03	1.39E-07
HY03	9		Propylene	7.46E-02	8.52E-06
HY03	9		Styrene	2.93E-03	3.34E-07
HY03	9		Toluene	1.40E-01	1.60E-05
HY03	9	1330207		1.17E-01	1.34E-05
HY04	10		Acetaldehyde	6.85E-03	7.81E-07
HY04	10		Acrolein	3.18E-03	3.63E-07
HY04	10		Benzene	6.04E-02	6.89E-06
HY04	10		1,3-Butadiene	1.34E-02	1.53E-06
HY04	10		Ethylbenzene	2.57E-02	2.93E-06
HY04	10		Formaldehyde	3.86E-02	4.41E-06
HY04	10		Hexane	3.91E-02	4.47E-06
HY04	10		Methanol	2.93E-03	3.35E-07
HY04	10		Methyl Ethyl Ketone	4.89E-04	5.58E-08
HY04	10		Naphthalene	1.22E-03	1.40E-07
HY04	10		Propylene	7.48E-02	8.54E-06
HY04	10		Styrene	2.93E-03	3.35E-07
HY04	10		Toluene	1.41E-01	1.61E-05
HY04	10	1330207	,	1.17E-01	1.34E-05
HY05	11		Acetaldehyde	6.10E-03	6.96E-07
HY05	11		Acrolein	2.83E-03	3.23E-07
HY05	11		Benzene	5.38E-02	6.14E-06
HY05	11		1,3-Butadiene	1.20E-02	1.37E-06
HY05	11		Ethylbenzene	2.29E-02	2.61E-06
HY05	11		Formaldehyde	3.44E-02	3.93E-06
HY05	11		Hexane	3.48E-02	3.98E-06
HY05	11		Methanol	2.61E-03	2.98E-07
HY05	11		Methyl Ethyl Ketone	4.35E-04	4.97E-08
HY05	11		Naphthalene	1.09E-03	1.24E-07
HY05	11		Propylene	6.66E-02	7.61E-06
HY05	11		Styrene	2.61E-03	2.98E-07
HY05	11		Toluene	1.25E-01	1.43E-05
HY05	11	1330207	•	1.05E-01	1.19E-05
HY06	12	/50/0	Acetaldehyde	6.12E-03	6.98E-07

HY06						
HY06	HY06	12	107028	Acrolein	2.84E-03	3.24E-07
HY06	HY06	12	71432	Benzene	5.39E-02	6.16E-06
HY06	HY06	12	106990	1,3-Butadiene	1.20E-02	1.37E-06
HY06	HY06	12	100414	Ethylbenzene	2.29E-02	2.62E-06
HY06	HY06	12	50000	Formaldehyde	3.45E-02	3.94E-06
HY06 12 78933 Methyl Ethyl Ketone 4.37E-04 4.99E-08 HY06 12 91203 Naphthalene 1.09E-03 1.25E-07 HY06 12 115071 Propylene 6.68E-02 7.63E-06 HY06 12 100425 Styrene 2.62E-03 2.99E-07 HY06 12 108883 Toluene 1.26E-01 1.44E-03 HY06 12 1330207 Xylenes 1.05E-01 1.42E-05 PEN5 13 75070 Acetaldehyde 3.96E-03 4.52E-07 PEN5 13 107028 Acrolein 1.84E-03 2.10E-07 PEN5 13 107028 Acrolein 1.84E-03 2.10E-07 PEN5 13 106990 1,3-Butadiene 7.78E-03 8.88E-07 PEN5 13 100414 Ethylbenzene 1.48E-02 1.69E-06 PEN5 13 100414 Ethylbenzene 1.48E-02 1.69E-06 PEN5 13 <t< td=""><td>HY06</td><td>12</td><td>110543</td><td>Hexane</td><td>3.49E-02</td><td>3.99E-06</td></t<>	HY06	12	110543	Hexane	3.49E-02	3.99E-06
HY06	HY06	12	67561	Methanol	2.62E-03	2.99E-07
HY06 12 115071 Propylene 6.68E-02 7.63E-06 HY06 12 100425 Styrene 2.62E-03 2.99E-07 HY06 12 108883 Toluene 1.26E-01 1.44E-05 HY06 12 1330207 Xylenes 1.05E-01 1.20E-05 PEN5 13 75070 Acetaldehyde 3.96E-03 4.52E-07 PEN5 13 107028 Acrolein 1.84E-03 2.10E-07 PEN5 13 107028 Acrolein 1.84E-03 2.10E-07 PEN5 13 107028 Acrolein 1.84E-03 2.10E-07 PEN5 13 106990 1,3-Butadiene 7.78E-03 8.88E-07 PEN5 13 100414 Ethylbenzene 1.48E-02 1.69E-06 PEN5 13 100414 Ethylbenzene 1.48E-02 1.69E-06 PEN5 13 110543 Hexane 2.26E-02 2.58E-06 PEN5 13 170544	HY06	12	78933	Methyl Ethyl Ketone	4.37E-04	4.99E-08
HY06	HY06	12			1.09E-03	1.25E-07
HY06 12 108883 Toluene 1.26E-01 1.44E-05 HY06 12 1330207 Xylenes 1.05E-01 1.20E-05 PEN5 13 75070 Acetaldehyde 3.96E-03 4.52E-07 PEN5 13 107028 Acrolein 1.84E-03 2.10E-07 PEN5 13 107028 Acrolein 1.84E-03 2.10E-07 PEN5 13 106990 1,3-Butadiene 7.78E-03 8.88E-07 PEN5 13 100414 Ethylbenzene 1.48E-02 1.69E-06 PEN5 13 100414 Ethylbenzene 1.48E-02 2.55E-06 PEN5 13 100414 Ethylbenzene 1.48E-02 2.55E-06 PEN5 13 100414 Ethylbenzene 1.48E-02 2.55E-06 PEN5 13 100414 Ethylbenzene 2.26E-02 2.55E-06 PEN5 13 10543 Hexane 2.26E-02 2.55E-06 PEN5 13 1	HY06	12	115071	Propylene	6.68E-02	7.63E-06
HY06 12 1330207 Xylenes 1.05E-01 1.20E-05 PEN5 13 75070 Acetaldehyde 3.96E-03 4.52E-07 PEN5 13 107028 Acrolein 1.84E-03 2.10E-07 PEN5 13 71432 Benzene 3.49E-02 3.99E-06 PEN5 13 106990 1,3-Butadiene 7.78E-03 8.88E-07 PEN5 13 100414 Ethylbenzene 1.48E-02 1.69E-06 PEN5 13 100414 Ethylbenzene 1.70E-03 8.88E-07 PEN5 13 110543 Hexane 2.26E-02 2.55E-06 PEN5 13 78933 Methyl Ethyl Ketone 2.83E-04 3.23E-08 PEN5 13	HY06	12	100425	Styrene	2.62E-03	2.99E-07
PEN5 13 75070 Acetaldehyde 3.96E-03 4.52E-07 PEN5 13 107028 Acrolein 1.84E-03 2.10E-07 PEN5 13 71432 Benzene 3.49E-02 3.99E-06 PEN5 13 106990 1,3-Butadiene 7.78E-03 8.88E-07 PEN5 13 100414 Ethylbenzene 1.48E-02 1.69E-06 PEN5 13 50000 Formaldehyde 2.23E-02 2.55E-06 PEN5 13 50000 Formaldehyde 2.23E-02 2.55E-06 PEN5 13 110543 Hexane 2.26E-02 2.58E-06 PEN5 13 67561 Methanol 1.70E-03 1.94E-07 PEN5 13 78933 Methyl Ethyl Ketone 2.83E-04 3.23E-08 PEN5 13 91203 Naphthalene 7.07E-04 8.07E-08 PEN5 13 10425 Styrene 1.70E-03 1.94E-07 PEN5 13 10425 Styrene 1.70E-03 1.94E-07 PEN5 13 108883 Toluene 8.14E-02 9.30	HY06	12	108883	Toluene	1.26E-01	1.44E-05
PEN5 13 107028 Acrolein 1.84E-03 2.10E-07 PEN5 13 71432 Benzene 3.49E-02 3.99E-06 PEN5 13 106990 1,3-Butadiene 7.78E-03 8.88E-07 PEN5 13 100414 Ethylbenzene 1.48E-02 1.69E-06 PEN5 13 50000 Formaldehyde 2.23E-02 2.55E-06 PEN5 13 110543 Hexane 2.26E-02 2.58E-06 PEN5 13 67561 Methanol 1.70E-03 1.94E-07 PEN5 13 78933 Methyl Ethyl Ketone 2.83E-04 3.23E-08 PEN5 13 91203 Naphthalene 7.07E-04 8.07E-08 PEN5 13 115071 Propylene 4.33E-02 4.94E-06 PEN5 13 100425 Styrene 1.70E-03 1.94E-07 PEN5 13 108883 Toluene 8.14E-02 9.30E-06 PEN6 14 75070 Acetaldehyde 3.97E-03 4.53E-07 PEN6 14 107028 Acrolein 1.84E-03 2.1	HY06	12	1330207	Xylenes	1.05E-01	1.20E-05
PEN5 13 71432 Benzene 3.49E-02 3.99E-06 PEN5 13 106990 1,3-Butadiene 7.78E-03 8.88E-07 PEN5 13 100414 Ethylbenzene 1.48E-02 1.69E-06 PEN5 13 50000 Formaldehyde 2.23E-02 2.55E-06 PEN5 13 110543 Hexane 2.26E-02 2.58E-06 PEN5 13 67561 Methanol 1.70E-03 1.94E-07 PEN5 13 78933 Methyl Ethyl Ketone 2.83E-04 3.23E-08 PEN5 13 78933 Methyl Ethyl Ketone 2.83E-04 3.23E-08 PEN5 13 79203 Naphthalene 7.07E-04 8.07E-08 PEN5 13 115071 Propylene 4.33E-02 4.94E-06 PEN5 13 100425 Styrene 1.70E-03 1.94E-07 PEN5 13 108883 Toluene 8.14E-02 9.30E-06 PEN6 14 <	PEN5	13	75070	Acetaldehyde	3.96E-03	4.52E-07
PEN5 13 106990 1,3-Butadiene 7.78E-03 8.88E-07 PEN5 13 100414 Ethylbenzene 1.48E-02 1.69E-06 PEN5 13 50000 Formaldehyde 2.23E-02 2.55E-06 PEN5 13 110543 Hexane 2.26E-02 2.58E-06 PEN5 13 67561 Methanol 1.70E-03 1.94E-07 PEN5 13 78933 Methyl Ethyl Ketone 2.83E-04 3.23E-08 PEN5 13 91203 Naphthalene 7.07E-04 8.07E-08 PEN5 13 115071 Propylene 4.33E-02 4.94E-06 PEN5 13 100425 Styrene 1.70E-03 1.94E-07 PEN5 13 108883 Toluene 8.14E-02 9.30E-06 PEN5 13 1330207 Xylenes 6.79E-02 7.75E-06 PEN6 14 75070 Acetaldehyde 3.97E-03 4.53E-07 PEN6 14 10	PEN5	13	107028	Acrolein	1.84E-03	2.10E-07
PEN5 13 100414 Ethylbenzene 1.48E-02 1.69E-06 PEN5 13 50000 Formaldehyde 2.23E-02 2.55E-06 PEN5 13 110543 Hexane 2.26E-02 2.58E-06 PEN5 13 67561 Methanol 1.70E-03 1.94E-07 PEN5 13 78933 Methyl Ethyl Ketone 2.83E-04 3.23E-08 PEN5 13 91203 Naphthalene 7.07E-04 8.07E-08 PEN5 13 115071 Propylene 4.33E-02 4.94E-06 PEN5 13 100425 Styrene 1.70E-03 1.94E-07 PEN5 13 108883 Toluene 8.14E-02 9.30E-06 PEN5 13 1330207 Xylenes 6.79E-02 7.75E-06 PEN6 14 75070 Acetaldehyde 3.97E-03 4.53E-07 PEN6 14 107028 Acrolein 1.84E-03 2.10E-07 PEN6 14 106990<	PEN5	13	71432	Benzene	3.49E-02	3.99E-06
PEN5 13 50000 Formaldehyde 2.23E-02 2.55E-06 PEN5 13 110543 Hexane 2.26E-02 2.58E-06 PEN5 13 67561 Methanol 1.70E-03 1.94E-07 PEN5 13 78933 Methyl Ethyl Ketone 2.83E-04 3.23E-08 PEN5 13 91203 Naphthalene 7.07E-04 8.07E-08 PEN5 13 115071 Propylene 4.33E-02 4.94E-06 PEN5 13 100425 Styrene 1.70E-03 1.94E-07 PEN5 13 108883 Toluene 8.14E-02 9.30E-06 PEN5 13 1330207 Xylenes 6.79E-02 7.75E-06 PEN6 14 75070 Acetaldehyde 3.97E-03 4.53E-07 PEN6 14 107028 Acrolein 1.84E-03 2.10E-07 PEN6 14 107028 Acrolein 1.84E-03 2.10E-07 PEN6 14 106990 1,3-Butadiene 7.80E-03 8.90E-07 PEN6 14 100414 Ethylbenzene 1.49E-02 1	PEN5	13	106990	1,3-Butadiene	7.78E-03	8.88E-07
PEN5 13 110543 Hexane 2.26E-02 2.58E-06 PEN5 13 67561 Methanol 1.70E-03 1.94E-07 PEN5 13 78933 Methyl Ethyl Ketone 2.83E-04 3.23E-08 PEN5 13 91203 Naphthalene 7.07E-04 8.07E-08 PEN5 13 115071 Propylene 4.33E-02 4.94E-06 PEN5 13 100425 Styrene 1.70E-03 1.94E-07 PEN5 13 108883 Toluene 8.14E-02 9.30E-06 PEN5 13 1330207 Xylenes 6.79E-02 7.75E-06 PEN6 14 75070 Acetaldehyde 3.97E-03 4.53E-07 PEN6 14 107028 Acrolein 1.84E-03 2.10E-07 PEN6 14 107028 Acrolein 1.84E-03 2.10E-07 PEN6 14 106990 1,3-Butadiene 7.80E-03 8.90E-07 PEN6 14 100414 Ethylbenzene 1.49E-02 1.70E-06 PEN6 14 100414 Ethylbenzene 1.49E-02	PEN5	13	100414	Ethylbenzene	1.48E-02	1.69E-06
PEN5 13 67561 Methanol 1.70E-03 1.94E-07 PEN5 13 78933 Methyl Ethyl Ketone 2.83E-04 3.23E-08 PEN5 13 91203 Naphthalene 7.07E-04 8.07E-08 PEN5 13 115071 Propylene 4.33E-02 4.94E-06 PEN5 13 100425 Styrene 1.70E-03 1.94E-07 PEN5 13 108883 Toluene 8.14E-02 9.30E-06 PEN5 13 1330207 Xylenes 6.79E-02 7.75E-06 PEN6 14 75070 Acetaldehyde 3.97E-03 4.53E-07 PEN6 14 107028 Acrolein 1.84E-03 2.10E-07 PEN6 14 107028 Acrolein 1.84E-03 2.10E-07 PEN6 14 106990 1,3-Butadiene 7.80E-03 8.90E-07 PEN6 14 100414 Ethylbenzene 1.49E-02 1.70E-06 PEN6 14 50000 Formaldehyde 2.24E-02 2.56E-06 PEN6 14 67561 Methanol 1.70E-03	PEN5	13	50000	Formaldehyde	2.23E-02	2.55E-06
PEN5 13 78933 Methyl Ethyl Ketone 2.83E-04 3.23E-08 PEN5 13 91203 Naphthalene 7.07E-04 8.07E-08 PEN5 13 115071 Propylene 4.33E-02 4.94E-08 PEN5 13 100425 Styrene 1.70E-03 1.94E-07 PEN5 13 108883 Toluene 8.14E-02 9.30E-06 PEN5 13 1330207 Xylenes 6.79E-02 7.75E-06 PEN6 14 75070 Acetaldehyde 3.97E-03 4.53E-07 PEN6 14 107028 Acrolein 1.84E-03 2.10E-07 PEN6 14 107028 Acrolein 1.84E-03 2.10E-07 PEN6 14 106990 1,3-Butadiene 3.50E-02 4.00E-06 PEN6 14 106990 1,3-Butadiene 1.49E-02 1.70E-06 PEN6 14 50000 Formaldehyde 2.24E-02 2.56E-06 PEN6 14 <t< td=""><td>PEN5</td><td>13</td><td>110543</td><td>Hexane</td><td>2.26E-02</td><td>2.58E-06</td></t<>	PEN5	13	110543	Hexane	2.26E-02	2.58E-06
PEN5 13 91203 Naphthalene 7.07E-04 8.07E-08 PEN5 13 115071 Propylene 4.33E-02 4.94E-06 PEN5 13 100425 Styrene 1.70E-03 1.94E-07 PEN5 13 108883 Toluene 8.14E-02 9.30E-06 PEN5 13 1330207 Xylenes 6.79E-02 7.75E-06 PEN6 14 75070 Acetaldehyde 3.97E-03 4.53E-07 PEN6 14 107028 Acrolein 1.84E-03 2.10E-07 PEN6 14 107028 Acrolein 1.84E-03 2.10E-07 PEN6 14 107028 Acrolein 1.84E-03 2.10E-07 PEN6 14 106990 1,3-Butadiene 7.80E-03 8.90E-07 PEN6 14 100414 Ethylbenzene 1.49E-02 1.70E-06 PEN6 14 50000 Formaldehyde 2.24E-02 2.56E-06 PEN6 14 67561 <td>PEN5</td> <td>13</td> <td></td> <td></td> <td>1.70E-03</td> <td>1.94E-07</td>	PEN5	13			1.70E-03	1.94E-07
PEN5 13 115071 Propylene 4.33E-02 4.94E-06 PEN5 13 100425 Styrene 1.70E-03 1.94E-07 PEN5 13 108883 Toluene 8.14E-02 9.30E-06 PEN5 13 1330207 Xylenes 6.79E-02 7.75E-06 PEN6 14 75070 Acetaldehyde 3.97E-03 4.53E-07 PEN6 14 107028 Acrolein 1.84E-03 2.10E-07 PEN6 14 107028 Acrolein 1.84E-03 2.10E-07 PEN6 14 106990 1,3-Butadiene 3.50E-02 4.00E-06 PEN6 14 106990 1,3-Butadiene 7.80E-03 8.90E-07 PEN6 14 100414 Ethylbenzene 1.49E-02 1.70E-06 PEN6 14 50000 Formaldehyde 2.24E-02 2.56E-06 PEN6 14 10543 Hexane 2.27E-02 2.59E-06 PEN6 14 78933 <td>PEN5</td> <td>13</td> <td>78933</td> <td>Methyl Ethyl Ketone</td> <td>2.83E-04</td> <td>3.23E-08</td>	PEN5	13	78933	Methyl Ethyl Ketone	2.83E-04	3.23E-08
PEN5 13 100425 Styrene 1.70E-03 1.94E-07 PEN5 13 108883 Toluene 8.14E-02 9.30E-06 PEN5 13 1330207 Xylenes 6.79E-02 7.75E-06 PEN6 14 75070 Acetaldehyde 3.97E-03 4.53E-07 PEN6 14 107028 Acrolein 1.84E-03 2.10E-07 PEN6 14 107028 Acrolein 1.84E-03 2.10E-07 PEN6 14 107028 Acrolein 1.84E-03 2.10E-07 PEN6 14 106990 1,3-Butadiene 7.80E-03 8.90E-07 PEN6 14 100414 Ethylbenzene 1.49E-02 1.70E-06 PEN6 14 50000 Formaldehyde 2.24E-02 2.56E-06 PEN6 14 110543 Hexane 2.27E-02 2.59E-06 PEN6 14 78933 Methyl Ethyl Ketone 2.84E-04 3.24E-08 PEN6 14 9120	PEN5	13	91203	Naphthalene	7.07E-04	8.07E-08
PEN5 13 108883 Toluene 8.14E-02 9.30E-06 PEN5 13 1330207 Xylenes 6.79E-02 7.75E-06 PEN6 14 75070 Acetaldehyde 3.97E-03 4.53E-07 PEN6 14 107028 Acrolein 1.84E-03 2.10E-07 PEN6 14 71432 Benzene 3.50E-02 4.00E-06 PEN6 14 106990 1,3-Butadiene 7.80E-03 8.90E-07 PEN6 14 100414 Ethylbenzene 1.49E-02 1.70E-06 PEN6 14 100414 Ethylbenzene 1.49E-02 2.56E-06 PEN6 14 110543 Hexane 2.27E-02 2.56E-06 PEN6 14 67561 Methanol 1.70E-03 1.94E-07 PEN6 14 78933 Methyl Ethyl Ketone 2.84E-04 3.24E-08 PEN6 14 91203 Naphthalene 7.09E-04 8.09E-08 PEN6 14 115	PEN5	13			4.33E-02	4.94E-06
PEN5 13 1330207 Xylenes 6.79E-02 7.75E-06 PEN6 14 75070 Acetaldehyde 3.97E-03 4.53E-07 PEN6 14 107028 Acrolein 1.84E-03 2.10E-07 PEN6 14 71432 Benzene 3.50E-02 4.00E-06 PEN6 14 106990 1,3-Butadiene 7.80E-03 8.90E-07 PEN6 14 100414 Ethylbenzene 1.49E-02 1.70E-06 PEN6 14 50000 Formaldehyde 2.24E-02 2.56E-06 PEN6 14 110543 Hexane 2.27E-02 2.59E-06 PEN6 14 67561 Methanol 1.70E-03 1.94E-07 PEN6 14 78933 Methyl Ethyl Ketone 2.84E-04 3.24E-08 PEN6 14 91203 Naphthalene 7.09E-04 8.09E-08 PEN6 14 115071 Propylene 4.34E-02 4.95E-06 PEN6 14 10	PEN5	13	100425	Styrene	1.70E-03	1.94E-07
PEN6 14 75070 Acetaldehyde 3.97E-03 4.53E-07 PEN6 14 107028 Acrolein 1.84E-03 2.10E-07 PEN6 14 71432 Benzene 3.50E-02 4.00E-06 PEN6 14 106990 1,3-Butadiene 7.80E-03 8.90E-07 PEN6 14 100414 Ethylbenzene 1.49E-02 1.70E-06 PEN6 14 50000 Formaldehyde 2.24E-02 2.56E-06 PEN6 14 110543 Hexane 2.27E-02 2.59E-06 PEN6 14 67561 Methanol 1.70E-03 1.94E-07 PEN6 14 78933 Methyl Ethyl Ketone 2.84E-04 3.24E-08 PEN6 14 91203 Naphthalene 7.09E-04 8.09E-08 PEN6 14 115071 Propylene 4.34E-02 4.95E-06 PEN6 14 100425 Styrene 1.70E-03 1.94E-07 PEN6 14 108	PEN5	13	108883	Toluene	8.14E-02	9.30E-06
PEN6 14 107028 Acrolein 1.84E-03 2.10E-07 PEN6 14 71432 Benzene 3.50E-02 4.00E-06 PEN6 14 106990 1,3-Butadiene 7.80E-03 8.90E-07 PEN6 14 100414 Ethylbenzene 1.49E-02 1.70E-06 PEN6 14 50000 Formaldehyde 2.24E-02 2.56E-06 PEN6 14 110543 Hexane 2.27E-02 2.59E-06 PEN6 14 67561 Methanol 1.70E-03 1.94E-07 PEN6 14 78933 Methyl Ethyl Ketone 2.84E-04 3.24E-08 PEN6 14 91203 Naphthalene 7.09E-04 8.09E-08 PEN6 14 115071 Propylene 4.34E-02 4.95E-06 PEN6 14 100425 Styrene 1.70E-03 1.94E-07 PEN6 14 108883 Toluene 8.17E-02 9.33E-06	PEN5	13	1330207	Xylenes	6.79E-02	7.75E-06
PEN6 14 71432 Benzene 3.50E-02 4.00E-06 PEN6 14 106990 1,3-Butadiene 7.80E-03 8.90E-07 PEN6 14 100414 Ethylbenzene 1.49E-02 1.70E-06 PEN6 14 50000 Formaldehyde 2.24E-02 2.56E-06 PEN6 14 110543 Hexane 2.27E-02 2.59E-06 PEN6 14 67561 Methanol 1.70E-03 1.94E-07 PEN6 14 78933 Methyl Ethyl Ketone 2.84E-04 3.24E-08 PEN6 14 91203 Naphthalene 7.09E-04 8.09E-08 PEN6 14 115071 Propylene 4.34E-02 4.95E-06 PEN6 14 100425 Styrene 1.70E-03 1.94E-07 PEN6 14 108883 Toluene 8.17E-02 9.33E-06	PEN6	14	75070	Acetaldehyde	3.97E-03	4.53E-07
PEN6 14 106990 1,3-Butadiene 7.80E-03 8.90E-07 PEN6 14 100414 Ethylbenzene 1.49E-02 1.70E-06 PEN6 14 50000 Formaldehyde 2.24E-02 2.56E-06 PEN6 14 110543 Hexane 2.27E-02 2.59E-06 PEN6 14 67561 Methanol 1.70E-03 1.94E-07 PEN6 14 78933 Methyl Ethyl Ketone 2.84E-04 3.24E-08 PEN6 14 91203 Naphthalene 7.09E-04 8.09E-08 PEN6 14 115071 Propylene 4.34E-02 4.95E-06 PEN6 14 100425 Styrene 1.70E-03 1.94E-07 PEN6 14 108883 Toluene 8.17E-02 9.33E-06	PEN6	14	107028	Acrolein	1.84E-03	2.10E-07
PEN6 14 100414 Ethylbenzene 1.49E-02 1.70E-06 PEN6 14 50000 Formaldehyde 2.24E-02 2.56E-06 PEN6 14 110543 Hexane 2.27E-02 2.59E-06 PEN6 14 67561 Methanol 1.70E-03 1.94E-07 PEN6 14 78933 Methyl Ethyl Ketone 2.84E-04 3.24E-08 PEN6 14 91203 Naphthalene 7.09E-04 8.09E-08 PEN6 14 115071 Propylene 4.34E-02 4.95E-06 PEN6 14 100425 Styrene 1.70E-03 1.94E-07 PEN6 14 108883 Toluene 8.17E-02 9.33E-06	PEN6				3.50E-02	4.00E-06
PEN6 14 50000 Formaldehyde 2.24E-02 2.56E-06 PEN6 14 110543 Hexane 2.27E-02 2.59E-06 PEN6 14 67561 Methanol 1.70E-03 1.94E-07 PEN6 14 78933 Methyl Ethyl Ketone 2.84E-04 3.24E-08 PEN6 14 91203 Naphthalene 7.09E-04 8.09E-08 PEN6 14 115071 Propylene 4.34E-02 4.95E-06 PEN6 14 100425 Styrene 1.70E-03 1.94E-07 PEN6 14 108883 Toluene 8.17E-02 9.33E-06	PEN6	14			7.80E-03	8.90E-07
PEN6 14 110543 Hexane 2.27E-02 2.59E-06 PEN6 14 67561 Methanol 1.70E-03 1.94E-07 PEN6 14 78933 Methyl Ethyl Ketone 2.84E-04 3.24E-08 PEN6 14 91203 Naphthalene 7.09E-04 8.09E-08 PEN6 14 115071 Propylene 4.34E-02 4.95E-06 PEN6 14 100425 Styrene 1.70E-03 1.94E-07 PEN6 14 108883 Toluene 8.17E-02 9.33E-06		14				1.70E-06
PEN6 14 67561 Methanol 1.70E-03 1.94E-07 PEN6 14 78933 Methyl Ethyl Ketone 2.84E-04 3.24E-08 PEN6 14 91203 Naphthalene 7.09E-04 8.09E-08 PEN6 14 115071 Propylene 4.34E-02 4.95E-06 PEN6 14 100425 Styrene 1.70E-03 1.94E-07 PEN6 14 108883 Toluene 8.17E-02 9.33E-06	PEN6	14	50000	Formaldehyde		2.56E-06
PEN6 14 78933 Methyl Ethyl Ketone 2.84E-04 3.24E-08 PEN6 14 91203 Naphthalene 7.09E-04 8.09E-08 PEN6 14 115071 Propylene 4.34E-02 4.95E-06 PEN6 14 100425 Styrene 1.70E-03 1.94E-07 PEN6 14 108883 Toluene 8.17E-02 9.33E-06	PEN6	14	110543	Hexane	2.27E-02	2.59E-06
PEN6 14 91203 Naphthalene 7.09E-04 8.09E-08 PEN6 14 115071 Propylene 4.34E-02 4.95E-06 PEN6 14 100425 Styrene 1.70E-03 1.94E-07 PEN6 14 108883 Toluene 8.17E-02 9.33E-06	PEN6	14	67561	Methanol	1.70E-03	1.94E-07
PEN6 14 115071 Propylene 4.34E-02 4.95E-06 PEN6 14 100425 Styrene 1.70E-03 1.94E-07 PEN6 14 108883 Toluene 8.17E-02 9.33E-06	PEN6	14		, ,	2.84E-04	3.24E-08
PEN6 14 100425 Styrene 1.70E-03 1.94E-07 PEN6 14 108883 Toluene 8.17E-02 9.33E-06		14	91203	Naphthalene	7.09E-04	8.09E-08
PEN6 14 108883 Toluene 8.17E-02 9.33E-06	PEN6	14	115071	Propylene	4.34E-02	4.95E-06
		14	100425	Styrene	_	1.94E-07
PEN6 14 1330207 Xvlenes 6.81F-02 7.77F-06	PEN6			Toluene	8.17E-02	9.33E-06
1.1 1.000=0. [1.1712.00	PEN6	14	1330207	Xylenes	6.81E-02	7.77E-06

HARP2 Emission Inputs (Unmitigated)

CONST_PHASE1 2 9901 DieselExhPM 5.38E+01 0 PEN1 4 9901 DieselExhPM 1.87E-01 0 COR2 5 9901 DieselExhPM 2.37E-01 0 PEN2 6 9901 DieselExhPM 1.15E-01 0 PEN3 7 9901 DieselExhPM 9.66E-02 0 PEN4 8 9901 DieselExhPM 9.69E-02 0 HY03 9 9901 DieselExhPM 1.90E-01 0 HY04 10 9901 DieselExhPM 1.70E-01 0 HY05 11 9901 DieselExhPM 1.70E-01 0 HY06 12 9901 DieselExhPM 1.70E-01 0	0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
PEN1 4 9901 DieselExhPM 1.87E-01 0 COR2 5 9901 DieselExhPM 2.37E-01 0 PEN2 6 9901 DieselExhPM 1.15E-01 0 PEN3 7 9901 DieselExhPM 9.66E-02 0 PEN4 8 9901 DieselExhPM 9.69E-02 0 HY03 9 9901 DieselExhPM 1.90E-01 0 HY04 10 9901 DieselExhPM 1.70E-01 0 HY05 11 9901 DieselExhPM 1.70E-01 0 HY06 12 9901 DieselExhPM 1.70E-01 0	0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
COR2 5 9901 DieselExhPM 2.37E-01 0 PEN2 6 9901 DieselExhPM 1.15E-01 0 PEN3 7 9901 DieselExhPM 9.66E-02 0 PEN4 8 9901 DieselExhPM 9.69E-02 0 HY03 9 9901 DieselExhPM 1.90E-01 0 HY04 10 9901 DieselExhPM 1.70E-01 0 HY05 11 9901 DieselExhPM 1.70E-01 0 HY06 12 9901 DieselExhPM 1.70E-01 0	0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
PEN2 6 9901 DieselExhPM 1.15E-01 0 PEN3 7 9901 DieselExhPM 9.66E-02 0 PEN4 8 9901 DieselExhPM 9.69E-02 0 HY03 9 9901 DieselExhPM 1.90E-01 0 HY04 10 9901 DieselExhPM 1.70E-01 0 HY05 11 9901 DieselExhPM 1.70E-01 0 HY06 12 9901 DieselExhPM 1.70E-01 0	0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
PEN3 7 9901 DieselExhPM 9.66E-02 0 PEN4 8 9901 DieselExhPM 9.69E-02 0 HY03 9 9901 DieselExhPM 1.90E-01 0 HY04 10 9901 DieselExhPM 1.90E-01 0 HY05 11 9901 DieselExhPM 1.70E-01 0 HY06 12 9901 DieselExhPM 1.70E-01 0	0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
PEN4 8 9901 DieselExhPM 9.69E-02 0 HY03 9 9901 DieselExhPM 1.90E-01 0 HY04 10 9901 DieselExhPM 1.90E-01 0 HY05 11 9901 DieselExhPM 1.70E-01 0 HY06 12 9901 DieselExhPM 1.70E-01 0	0.00E+00 0.00E+00 0.00E+00 0.00E+00
HY03 9 9901 DieselExhPM 1.90E-01 0 HY04 10 9901 DieselExhPM 1.90E-01 0 HY05 11 9901 DieselExhPM 1.70E-01 0 HY06 12 9901 DieselExhPM 1.70E-01 0	0.00E+00 0.00E+00 0.00E+00
HY04 10 9901 DieselExhPM 1.90E-01 0 HY05 11 9901 DieselExhPM 1.70E-01 0 HY06 12 9901 DieselExhPM 1.70E-01 0	0.00E+00 0.00E+00
HY05 11 9901 DieselExhPM 1.70E-01 0 HY06 12 9901 DieselExhPM 1.70E-01 0	0.00E+00
HY06 12 9901 DieselExhPM 1.70E-01 0	
11100	0.00E+00
PEN5 13 9901 DieselExhPM 1.10E-01 0	0.00E+00
PEN6 14 9901 DieselExhPM 1.10E-01 0	0.00E+00
PEN1_TRK 15 9901 DieselExhPM 1.91E-01 0	0.00E+00
	0.00E+00
	0.00E+00
PEN3_TRK 18 9901 DieselExhPM 9.88E-02 0	0.00E+00
	1.14E-06
	5.31E-07
	1.01E-05
	2.25E-06
	4.29E-06
	6.45E-06
	6.53E-06
	4.90E-07
	8.17E-08
	2.04E-07
	1.25E-05
	4.90E-07
	2.35E-05
	1.96E-05
	1.45E-06
	6.74E-07
	1.28E-05
	2.85E-06
	5.45E-06
	8.20E-06
	8.30E-06

COR2	5		Methanol	5.45E-03	6.22E-07
COR2	5	78933	Methyl Ethyl Ketone	9.09E-04	1.04E-07
COR2	5		Naphthalene	2.27E-03	2.59E-07
COR2	5	115071	Propylene	1.39E-01	1.59E-05
COR2	5		Styrene	5.45E-03	6.22E-07
COR2	5		Toluene	2.62E-01	2.99E-05
COR2	5	1330207		2.18E-01	2.49E-05
PEN2	6		Acetaldehyde	6.19E-03	7.06E-07
PEN2	6		Acrolein	2.87E-03	3.28E-07
PEN2	6		Benzene	5.46E-02	6.23E-06
PEN2	6		1,3-Butadiene	1.22E-02	1.39E-06
PEN2	6		Ethylbenzene	2.32E-02	2.65E-06
PEN2	6		Formaldehyde	3.49E-02	3.98E-06
PEN2	6		Hexane	3.53E-02	4.04E-06
PEN2	6		Methanol	2.65E-03	3.03E-07
PEN2	6		Methyl Ethyl Ketone	4.42E-04	5.04E-08
PEN2	6		Naphthalene	1.10E-03	1.26E-07
PEN2	6		Propylene	6.76E-02	7.72E-06
PEN2	6		Styrene	2.65E-03	3.03E-07
PEN2	6		Toluene	1.27E-01	1.45E-05
PEN2	6	1330207		1.06E-01	1.43E-05
PEN3	7		Acetaldehyde	5.19E-03	5.92E-07
PEN3	7		Acrolein	2.41E-03	2.75E-07
PEN3	7		Benzene	4.58E-02	5.22E-06
PEN3	7		1,3-Butadiene	1.02E-02	1.16E-06
PEN3	7		Ethylbenzene	1.02E-02	2.22E-06
PEN3	7		Formaldehyde	2.93E-02	3.34E-06
PEN3	7		Hexane	2.96E-02	3.34L-00
PEN3	7		Methanol	2.90L-02 2.22E-03	2.54E-07
PEN3	7		Methyl Ethyl Ketone	3.71E-04	4.23E-08
PEN3	7		Naphthalene	9.26E-04	
PEN3	7		Propylene	5.67E-02	
PEN3	7		Styrene	2.22E-03	2.54E-07
PEN3	7		Toluene	1.07E-01	1.22E-05
PEN3	7	1330207		8.89E-02	1.02E-05
PEN3 PEN4	8		Acetaldehyde	5.20E-03	5.94E-07
PEN4	8		Acrolein	2.42E-03	2.76E-07
PEN4 PEN4	8		Benzene	4.59E-02	5.24E-06
	8		1,3-Butadiene	1.02E-02	1.17E-06
PEN4	8		Ethylbenzene Formaldabyda	1.95E-02	2.23E-06
PEN4	8		Formaldehyde	2.94E-02	3.35E-06
PEN4	8		Hexane	2.97E-02	3.39E-06
PEN4	8		Methanol	2.23E-03	2.55E-07
PEN4	8		Methyl Ethyl Ketone	3.72E-04	4.24E-08
PEN4	8		Naphthalene	9.29E-04	1.06E-07
PEN4	8		Propylene Styrene	5.69E-02	6.49E-06
PEN4	8	100425	Styrene	2.23E-03	2.55E-07

PEN4	8	108883	Toluene	1.07E-01	1.22E-05
PEN4	8	1330207	Xylenes	8.92E-02	1.02E-05
HY03	9	75070	Acetaldehyde	1.02E-02	1.16E-06
HY03	9		Acrolein	4.73E-03	5.40E-07
HY03	9		Benzene	8.99E-02	1.03E-05
HY03	9		1,3-Butadiene	2.00E-02	2.29E-06
HY03	9		Ethylbenzene	3.82E-02	4.36E-06
HY03	9		Formaldehyde	5.75E-02	6.56E-06
HY03	9		Hexane	5.82E-02	6.65E-06
HY03	9		Methanol	4.37E-03	4.99E-07
HY03	9		Methyl Ethyl Ketone	7.28E-04	8.31E-08
HY03	9		Naphthalene	1.82E-03	2.08E-07
HY03	9		Propylene	1.11E-01	1.27E-05
HY03	9		Styrene	4.37E-03	4.99E-07
HY03	9		Toluene	2.10E-01	2.39E-05
HY03	9	1330207		1.75E-01	1.99E-05
HY04	10		Acetaldehyde	1.73L-01 1.02E-02	1.17E-06
HY04	10		Acrolein	4.75E-03	5.42E-07
HY04	10		Benzene	9.02E-02	1.03E-05
HY04	10		1,3-Butadiene	2.01E-02	2.29E-06
HY04	10		Ethylbenzene	3.83E-02	4.38E-06
HY04	10		Formaldehyde	5.77E-02	6.58E-06
HY04	10		Hexane	5.77E-02 5.84E-02	6.67E-06
HY04	10		Methanol	4.38E-03	5.00E-07
HY04	10			7.30E-03	8.33E-08
HY04	10		Methyl Ethyl Ketone Naphthalene	1.83E-03	2.08E-07
HY04	10		Propylene	1.03E-03	1.28E-05
HY04	10		Styrene	4.38E-03	5.00E-07
HY04	10		Toluene	2.10E-01	2.40E-05
HY04	10	1330207		1.75E-01	2.40E-05 2.00E-05
HY05	11		Acetaldehyde	9.10E-03	
HY05	11		Acrolein	4.23E-03	
HY05	11		Benzene	8.03E-02	9.17E-06
HY05	11		1,3-Butadiene	1.79E-02	2.04E-06
HY05	11		Ethylbenzene	3.41E-02	3.90E-06
HY05	11		Formaldehyde	5.41E-02	5.86E-06
HY05	11		Hexane	5.14E-02 5.20E-02	5.94E-06
HY05	11		Methanol	3.90E-03	4.45E-07
HY05	11		Methyl Ethyl Ketone	6.50E-04	7.42E-08
HY05	11		Naphthalene	1.63E-03	1.86E-07
HY05	11		Propylene	9.95E-02	1.86E-07 1.14E-05
HY05	11		Styrene	3.90E-03	4.45E-05
HY05	11		, ,		
HY05	11		Toluene	1.87E-01	2.14E-05 1.78E-05
HY06	12	1330207	Acetaldehyde	1.56E-01 9.13E-03	
HY06	12				1.04E-06
HY06	12		Acrolein Benzene	4.24E-03 8.05E-02	4.84E-07 9.19E-06
птио	12	/ 1432	Delizelle	0.U3E-U2	7. I 7E-UO

HY06	12	106990	1,3-Butadiene	1.79E-02	2.05E-06
HY06	12		Ethylbenzene	3.42E-02	3.91E-06
HY06	12		Formaldehyde	5.15E-02	5.88E-06
HY06	12		Hexane	5.22E-02	5.96E-06
HY06	12		Methanol	3.91E-03	4.47E-07
HY06	12		Methyl Ethyl Ketone	6.52E-04	7.45E-08
HY06	12		Naphthalene	1.63E-03	1.86E-07
HY06	12	115071	Propylene	9.98E-02	1.14E-05
HY06	12	100425	Styrene	3.91E-03	4.47E-07
HY06	12	108883	Toluene	1.88E-01	2.14E-05
HY06	12	1330207	Xylenes	1.57E-01	1.79E-05
PEN5	13	75070	Acetaldehyde	5.91E-03	6.75E-07
PEN5	13	107028	Acrolein	2.74E-03	3.13E-07
PEN5	13	71432	Benzene	5.21E-02	5.95E-06
PEN5	13	106990	1,3-Butadiene	1.16E-02	1.33E-06
PEN5	13	100414	Ethylbenzene	2.22E-02	2.53E-06
PEN5	13	50000	Formaldehyde	3.33E-02	3.81E-06
PEN5	13	110543	Hexane	3.38E-02	3.85E-06
PEN5	13	67561	Methanol	2.53E-03	2.89E-07
PEN5	13	78933	Methyl Ethyl Ketone	4.22E-04	4.82E-08
PEN5	13		Naphthalene	1.06E-03	1.20E-07
PEN5	13	115071	Propylene	6.46E-02	7.37E-06
PEN5	13	100425	Styrene	2.53E-03	2.89E-07
PEN5	13	108883	Toluene	1.22E-01	1.39E-05
PEN5	13	1330207	Xylenes	1.01E-01	1.16E-05
PEN6	14		Acetaldehyde	5.93E-03	6.77E-07
PEN6	14	107028	Acrolein	2.75E-03	3.14E-07
PEN6	14		Benzene	5.23E-02	5.97E-06
PEN6	14		1,3-Butadiene	1.16E-02	1.33E-06
PEN6	14		Ethylbenzene	2.22E-02	2.54E-06
PEN6	14		Formaldehyde	3.35E-02	3.82E-06
PEN6	14		Hexane	3.39E-02	3.87E-06
PEN6	14		Methanol	2.54E-03	2.90E-07
PEN6	14		Methyl Ethyl Ketone	4.23E-04	4.83E-08
PEN6	14		Naphthalene	1.06E-03	1.21E-07
PEN6	14		Propylene	6.48E-02	7.40E-06
PEN6	14		Styrene	2.54E-03	2.90E-07
PEN6	14		Toluene	1.22E-01	1.39E-05
PEN6	14	1330207	Xylenes	1.02E-01	1.16E-05

HARP2 Emission Inputs (Unmitigated)

HARP2 Emission inputs (Unmitigated)					
SRC ID	SRC No.	CAS	Pollutant	lb/yr	lb/hr
CONST_PHASE2	1	9901	DieselExhPM	8.06E+01	0.00E+00
PEN1	2	9901	DieselExhPM	1.20E-01	0.00E+00
COR2	3		DieselExhPM	1.53E-01	0.00E+00
PEN2	4		DieselExhPM	7.42E-02	0.00E+00
PEN3	5	9901	DieselExhPM	6.23E-02	0.00E+00
PEN4	6	9901	DieselExhPM	6.24E-02	0.00E+00
HY03	7	9901	DieselExhPM	1.22E-01	0.00E+00
HY04	8	9901	DieselExhPM	1.23E-01	0.00E+00
HY05	9	9901	DieselExhPM	1.09E-01	0.00E+00
HY06	10	9901	DieselExhPM	1.10E-01	0.00E+00
PEN5	11	9901	DieselExhPM	7.09E-02	0.00E+00
PEN6	12	9901	DieselExhPM	7.12E-02	0.00E+00
PEN1_TRK	13	9901	DieselExhPM	1.26E-01	0.00E+00
COR2_TRK	14		DieselExhPM	1.60E-01	0.00E+00
PEN2_TRK	15	9901	DieselExhPM	7.79E-02	0.00E+00
PEN3_TRK	16	9901	DieselExhPM	6.53E-02	0.00E+00
PEN4_TRK	17	9901	DieselExhPM	6.55E-02	
HY03_TRK	18	9901	DieselExhPM	1.28E-01	0.00E+00
HY04_TRK	19		DieselExhPM	1.29E-01	0.00E+00
HY05_TRK	20	9901	DieselExhPM	1.15E-01	0.00E+00
HY06_TRK	21	9901	DieselExhPM	1.15E-01	0.00E+00
PEN5_TRK	22	9901	DieselExhPM	7.44E-02	0.00E+00
PEN6_TRK	23	9901	DieselExhPM	7.46E-02	0.00E+00
PEN1	2	75070	Acetaldehyde	6.29E-03	7.18E-07
PEN1	2		Acrolein	2.92E-03	3.33E-07
PEN1	2	71432	Benzene	5.55E-02	6.33E-06
PEN1	2	106990	1,3-Butadiene	1.23E-02	1.41E-06
PEN1	2	100414	Ethylbenzene	2.36E-02	2.69E-06
PEN1	2	50000	Formaldehyde	3.55E-02	4.05E-06
PEN1	2	110543	Hexane	3.59E-02	4.10E-06
PEN1	2	67561	Methanol	2.69E-03	3.08E-07
PEN1	2	78933	Methyl Ethyl Ketone	4.49E-04	5.13E-08
PEN1	2	91203	Naphthalene	1.12E-03	1.28E-07
PEN1	2	115071	Propylene	6.87E-02	7.84E-06
PEN1	2	100425	Styrene	2.69E-03	3.08E-07
PEN1	2	108883	Toluene	1.29E-01	1.48E-05
PEN1	2	1330207	Xylenes	1.08E-01	1.23E-05
COR2	3	75070	Acetaldehyde	7.99E-03	9.12E-07
COR2	3	107028	Acrolein	3.71E-03	4.23E-07
COR2	3		Benzene	7.04E-02	8.04E-06
COR2	3	106990	1,3-Butadiene	1.57E-02	1.79E-06
COR2	3	100414	Ethylbenzene	2.99E-02	3.42E-06
COR2	3	50000	Formaldehyde	4.51E-02	5.14E-06
COR2	3	110543	Hexane	4.56E-02	5.21E-06

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COR2	3		Methanol	3.42E-03	3.91E-07
COR2	3		Methyl Ethyl Ketone	5.70E-04	6.51E-08
COR2	3		Naphthalene	1.43E-03	1.63E-07
COR2	3		Propylene	8.73E-02	9.96E-06
COR2	3		Styrene	3.42E-03	3.91E-07
COR2	3		Toluene	1.64E-01	1.88E-05
COR2	3	1330207	3	1.37E-01	1.56E-05
PEN2	4		Acetaldehyde	3.88E-03	4.43E-07
PEN2	4	107028	Acrolein	1.80E-03	2.06E-07
PEN2	4	71432	Benzene	3.42E-02	3.91E-06
PEN2	4	106990	1,3-Butadiene	7.63E-03	8.71E-07
PEN2	4	100414	Ethylbenzene	1.46E-02	1.66E-06
PEN2	4	50000	Formaldehyde	2.19E-02	2.50E-06
PEN2	4	110543	Hexane	2.22E-02	2.53E-06
PEN2	4	67561	Methanol	1.66E-03	1.90E-07
PEN2	4	78933	Methyl Ethyl Ketone	2.77E-04	3.17E-08
PEN2	4		Naphthalene	6.93E-04	7.91E-08
PEN2	4	115071	Propylene	4.24E-02	4.84E-06
PEN2	4	100425	Styrene	1.66E-03	1.90E-07
PEN2	4	108883	Toluene	7.99E-02	9.12E-06
PEN2	4	1330207	Xylenes	6.66E-02	7.60E-06
PEN3	5	75070	Acetaldehyde	3.26E-03	3.72E-07
PEN3	5	107028	Acrolein	1.51E-03	1.73E-07
PEN3	5	71432	Benzene	2.87E-02	3.28E-06
PEN3	5	106990	1,3-Butadiene	6.40E-03	7.30E-07
PEN3	5	100414	Ethylbenzene	1.22E-02	1.39E-06
PEN3	5	50000	Formaldehyde	1.84E-02	2.10E-06
PEN3	5		Hexane	1.86E-02	2.12E-06
PEN3	5	67561	Methanol	1.40E-03	1.59E-07
PEN3	5	78933	Methyl Ethyl Ketone	2.33E-04	2.65E-08
PEN3	5	91203	Naphthalene	5.81E-04	6.64E-08
PEN3	5	115071	Propylene	3.56E-02	4.06E-06
PEN3	5	100425	Styrene	1.40E-03	1.59E-07
PEN3	5	108883	Toluene	6.70E-02	7.65E-06
PEN3	5	1330207	Xylenes	5.58E-02	6.37E-06
PEN4	6	75070	Acetaldehyde	3.27E-03	3.73E-07
PEN4	6	107028	Acrolein	1.52E-03	1.73E-07
PEN4	6	71432	Benzene	2.88E-02	3.29E-06
PEN4	6	106990	1,3-Butadiene	6.41E-03	7.32E-07
PEN4	6	100414	Ethylbenzene	1.22E-02	1.40E-06
PEN4	6		Formaldehyde	1.84E-02	2.10E-06
PEN4	6	110543	Hexane	1.87E-02	2.13E-06
PEN4	6	67561	Methanol	1.40E-03	1.60E-07
PEN4	6		Methyl Ethyl Ketone	2.33E-04	2.66E-08
PEN4	6	91203	Naphthalene	5.83E-04	6.66E-08
PEN4	6		Propylene	3.57E-02	4.07E-06
PEN4	6	100425	Styrene	1.40E-03	1.60E-07
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PEN4	6		Toluene	6.72E-02	7.67E-06
PEN4	6	1330207	3	5.60E-02	6.39E-06
HY03	7		Acetaldehyde Acrolein	6.40E-03 2.97E-03	7.30E-07
	7				3.39E-07
HY03	7		Benzene	5.64E-02	6.44E-06
HY03	7		1,3-Butadiene	1.26E-02	1.43E-06
HY03	7		Ethylbenzene	2.40E-02	2.74E-06
HY03 HY03	7		Formaldehyde	3.61E-02 3.66E-02	4.12E-06
	7		Hexane		4.17E-06
HY03 HY03	7		Methanol	2.74E-03 4.57E-04	3.13E-07
HY03	7		Methyl Ethyl Ketone Naphthalene	1.14E-03	5.22E-08 1.30E-07
HY03	7			6.99E-02	7.98E-06
HY03	7		Propylene Styrene	2.74E-03	3.13E-07
HY03	7		Toluene	1.32E-01	1.50E-05
HY03	7	1330207		1.32E-01 1.10E-01	1.30E-05
HY04	8		Acetaldehyde	6.41E-03	7.32E-07
HY04	8		Acrolein	2.98E-03	3.40E-07
HY04	8		Benzene	5.66E-02	6.46E-06
HY04	8		1,3-Butadiene	1.26E-02	1.44E-06
HY04	8		Ethylbenzene	2.41E-02	2.75E-06
HY04	8		Formaldehyde	3.62E-02	4.13E-06
HY04	8		Hexane	3.67E-02	4.18E-06
HY04	8		Methanol	2.75E-03	3.14E-07
HY04	8		Methyl Ethyl Ketone	4.58E-04	5.23E-08
HY04	8		Naphthalene	1.15E-03	1.31E-07
HY04	8		Propylene	7.01E-02	8.00E-06
HY04	8		Styrene	2.75E-03	3.14E-07
HY04	8		Toluene	1.32E-01	1.51E-05
HY04	8	1330207	Xylenes	1.10E-01	1.26E-05
HY05	9		Acetaldehyde	5.71E-03	6.52E-07
HY05	9		Acrolein	2.65E-03	3.03E-07
HY05	9	71432	Benzene	5.04E-02	5.75E-06
HY05	9	106990	1,3-Butadiene	1.12E-02	1.28E-06
HY05	9	100414	Ethylbenzene	2.14E-02	2.45E-06
HY05	9	50000	Formaldehyde	3.22E-02	3.68E-06
HY05	9	110543	Hexane	3.26E-02	3.73E-06
HY05	9		Methanol	2.45E-03	2.79E-07
HY05	9		Methyl Ethyl Ketone	4.08E-04	4.66E-08
HY05	9		Naphthalene	1.02E-03	1.16E-07
HY05	9		Propylene	6.24E-02	7.13E-06
HY05	9		Styrene	2.45E-03	2.79E-07
HY05	9		Toluene	1.18E-01	1.34E-05
HY05	9	1330207	3	9.79E-02	1.12E-05
HY06	10		Acetaldehyde	5.73E-03	6.54E-07
HY06	10		Acrolein	2.66E-03	3.04E-07
HY06	10	71432	Benzene	5.06E-02	5.77E-06

HY06	10	106990	1,3-Butadiene	1.13E-02	1.29E-06
HY06	10	100414	Ethylbenzene	2.15E-02	2.45E-06
HY06	10	50000	Formaldehyde	3.23E-02	3.69E-06
HY06	10		Hexane	3.27E-02	3.74E-06
HY06	10	67561	Methanol	2.46E-03	2.80E-07
HY06	10	78933	Methyl Ethyl Ketone	4.09E-04	4.67E-08
HY06	10	91203	Naphthalene	1.02E-03	1.17E-07
HY06	10	115071	Propylene	6.26E-02	7.15E-06
HY06	10		Styrene	2.46E-03	2.80E-07
HY06	10	108883	Toluene	1.18E-01	1.35E-05
HY06	10	1330207	Xylenes	9.82E-02	1.12E-05
PEN5	11	75070	Acetaldehyde	3.71E-03	4.23E-07
PEN5	11	107028	Acrolein	1.72E-03	1.97E-07
PEN5	11	71432	Benzene	3.27E-02	3.74E-06
PEN5	11	106990	1,3-Butadiene	7.29E-03	8.32E-07
PEN5	11	100414	Ethylbenzene	1.39E-02	1.59E-06
PEN5	11	50000	Formaldehyde	2.09E-02	2.39E-06
PEN5	11	110543	Hexane	2.12E-02	2.42E-06
PEN5	11	67561	Methanol	1.59E-03	1.81E-07
PEN5	11	78933	Methyl Ethyl Ketone	2.65E-04	3.02E-08
PEN5	11	91203	Naphthalene	6.62E-04	7.56E-08
PEN5	11	115071	Propylene	4.05E-02	4.63E-06
PEN5	11	100425	Styrene	1.59E-03	1.81E-07
PEN5	11	108883	Toluene	7.63E-02	8.71E-06
PEN5	11	1330207		6.36E-02	7.26E-06
PEN6	12	75070	Acetaldehyde	3.72E-03	4.25E-07
PEN6	12	107028	Acrolein	1.73E-03	1.97E-07
PEN6	12	71432	Benzene	3.28E-02	3.75E-06
PEN6	12	106990	1,3-Butadiene	7.31E-03	8.34E-07
PEN6	12	100414	Ethylbenzene	1.40E-02	1.59E-06
PEN6	12	50000	Formaldehyde	2.10E-02	2.40E-06
PEN6	12	110543	Hexane	2.13E-02	2.43E-06
PEN6	12	67561	Methanol	1.59E-03	1.82E-07
PEN6	12	78933	Methyl Ethyl Ketone	2.66E-04	3.03E-08
PEN6	12	91203	Naphthalene	6.64E-04	7.59E-08
PEN6	12		Propylene	4.07E-02	4.64E-06
PEN6	12	100425	Styrene	1.59E-03	1.82E-07
PEN6	12	108883	Toluene	7.65E-02	8.74E-06
PEN6	12	1330207	Xylenes	6.38E-02	7.28E-06

Yard Equipment (Forklifts) Unmitigated

			Emissions (tons/year)
Equipment Type	Buildings	Days Per Year	PM _{2.5} Exhaust
Yard Equipment (forklifts)	Operations - Buildings A, B/C	365	0.098325216
Yard Equipment (forklifts)	Operations - Buildings D - G	365	0.065164446

					Annual Emissions (g/s) per source
Model ID	Buildings	No. of Sources	X/Q	PM _{2.5} Exhaust	PM _{2.5} Exhaust
FLA1	Building A	66	0.015151515	34.61	7.54262E-06
FLA2	Building A	9	0.111111111	4.72	7.54262E-06
FLB1	Building B	204	0.004901961	82.50	5.81693E-06
FLB2	Building B	137	0.00729927	55.41	5.81693E-06
FLB3	Building B	48	0.020833333	19.41	5.81693E-06
FLD1	Building D	32	0.03125	32.58	1.46450E-05
FLE1	Building E	32	0.03125	32.58	1.46450E-05
FLF1	Building F	54	0.018518519	32.58	8.67852E-06
FLG1	Building G	50	0.02	32.58	9.37280E-06

		Emissions (lbs/year)
HARP ID		PM _{2.5} Exhaust
FLA	Building A	39.33
FLB	Building B	157.32
FLD	Building D	32.58
FLE	Building E	32.58
FLF	Building F	32.58
FLG	Building G	32.58

FWPs

				Emissions (tons/year)
Equipment Type	Buildings	No. of Units	Days Per Year	PM _{2.5} Exhaust
Tier 2 - Generator	A, B/C, D-G	6	100	0.014430324
Tier 2 - Fire water pump	A, B/C, D-G	6	100	0.014430324

					Emissions (lbs/year)	Annual Emissions (g/s)	
Generators	Model ID	Group ID	No. of Sources	X/Q	PM _{2.5} Exhaust	PM _{2.5} Exhaust	
	GEN_A	GEN_A	1	1.00000E+00	4.81E+00	6.91853E-05	
	GEN_BC	GEN_BC	1	1.00000E+00	4.81E+00	6.91853E-05	
	GEN_D	GEN_D	1	1.00000E+00	4.81E+00	6.91853E-05	
	GEN_E	GEN_E	1	1.00000E+00	4.81E+00	6.91853E-05	
	GEN_F	GEN_F	1	1.00000E+00	4.81E+00	6.91853E-05	
	GEN G	GEN G	1	1.00000E±00	4.81F±00	6 91853F ₋ 05	

				Emissions (lbs/year)	Annual Emissions (g/s)
Model ID	Group ID	No. of Sources	X/Q	PM _{2.5} Exhaust	PM _{2.5} Exhaust
FWP_A	FWP_A	1	1.00000E+00	4.81E+00	6.91853E-05
FWP_BC	FWP_BC	1	1.00000E+00	4.81E+00	6.91853E-05
FWP_D	FWP_D	1	1.00000E+00	4.81E+00	6.91853E-05
FWP_E	FWP_E	1	1.00000E+00	4.81E+00	6.91853E-05
FWP_F	FWP_F	1	1.00000E+00	4.81E+00	6.91853E-05
FWP_G	FWP_G	1	1.00000E+00	4.81E+00	6.91853E-05

			Emissions (tons/year)
Equipment Type	Buildings	Days Per Year	PM _{2.5} Exhaust
TRUs - onsite idling	Operations - Buildings A, B/C	365	0.372891743
TRUs - onsite idling	Operations - Buildings D - G	365	0.178686316

						Annual Emissions (g/s)
					Emissions (lbs/year)	per source
TRUs - Idling at Docks	Model ID	Group ID	No. of Sources	X/Q	PM _{2.5} Exhaust	PM _{2.5} Exhaust
	TRU_A1-TRU_A46	TRU_A	46	2.17391E-02	1.271E+02	3.97290E-05
	TRU_B1-TRU_B224	TRU_BC	224	4.46429E-03	6.187E+02	3.97290E-05
	TRU_D1-TRU_D20	TRU_D	20	5.00000E-02	7.147E+01	5.14020E-05
	TRU_E1-TRU_E20	TRU_E	20	5.00000E-02	7.147E+01	5.14020E-05
	TRU_F1-TRU_F33	TRU_F	33	3.03030E-02	1.179E+02	5.14020E-05
	TRU_G1-TRU_G27	TRU_G	27	3.70370E-02	9.649E+01	5.14020E-05

Onsite Road Segments - Personal Worker Vehicles (Cars) (Unmitigated)

oad Segments - Personal Worker Vehicles (Cars) (Unmitigated)								1										
Road	Road Width (ft)	Road Width (m)	Base Elevation	SourceID	Line Volume Src Type	Plume Width (m)	Release Height (m)	Initial Lateral Dimension (m)	Initial Vertical Dimension (m)	# Volume Sources	Total Length (m)	g/s per vol (1 g/s)	Phase	% Allocation	ROG (lb/yr)	DPM (lb/yr)	Total PM2.5 (lb/yr)	Total PM2
On-site Car Circulation Around Building BC	32.8	10.00	varies - AERMAP	TRK1	Adjacent	10.00	1.30	varies - based on plume width	1.21	91	1459.3	1.09890E-02	Phase 1	34.6%	9.70573E+01	8.94911E-01	2.44846E+00	3.87000E
On-site Car Circulation Around Building BC (southeast segment)	55.77	17.00	varies - AERMAP	TRK2	Adjacent	17.00	1.30	varies - based on plume width	1.21	7	166.8	1.42857E-01	Phase 1	4.0%	1.10938E+01	1.02290E-01	2.79863E-01	5.75050
On-site Car Circulation from Building BC to Building A	39.37	12.00	varies - AERMAP	TRK3	Adjacent	12.00	1.30	varies - based on plume width	1.21	16	279.5	6.25000E-02	Phase 1	6.6%	1.85894E+01	1.71402E-01	4.68955E-01	4.2157
On-site Car Circulation South of Building A	55.77	17.00	varies - AERMAP	TRK4	Adjacent	17.00	1.30	varies - based on plume width	1.21	9	198.7	1.11111E-01	Phase 1	4.7%	1.32154E+01	1.21852E-01	3.33386E-01	5.3279
On-site Car Circulation Western Edge Between Buildings A and BC	32.8	10.00	varies - AERMAP	TRK5	Adjacent	10.00	1.30	varies - based on plume width	1.21	8	126.7	1.25000E-01	Phase 1	3.0%	8.42675E+00	7.76983E-02	2.12582E-01	3.8220
On-site Car Circulation North of Buildings D and E	55.77	17.00	varies - AERMAP	TRK6	Adjacent	17.00	1.30	varies - based on plume width	1.21	13	304.7	7.69231E-02	Phase 1	7.2%	2.02654E+01	1.86856E-01	5.11236E-01	5.6563
On-site Car Circulation Northeast Parking Lot	22.96	7.00	varies - AERMAP	CAR1	Adjacent	7.00	1.30	varies - based on plume width	1.21	20	265.1	5.00000E-02	Phase 1	6.3%	1.76317E+01	1.62572E-01	4.44794E-01	3.198
On-site Car Circulation North Parking Lot	22.96	7.00	varies - AERMAP	CAR2	Adjacent	7.00	1.30	varies - based on plume width	1.21	38	494.1	2.63158E-02	Phase 1	11.7%	3.28623E+01	3.03005E-01	8.29018E-01	3.137
On-site Car Circulation Around Building A	22.96	7.00	varies - AERMAP	CAR3	Adjacent	7.00	1.30	varies - based on plume width	1.21	54	707	1.85185E-02	Phase 1	16.8%	4.70222E+01	4.33565E-01	1.18623E+00	3.159
On-site Car Circulation Parking Lot Between Buildings A and BC	22.96	7.00	varies - AERMAP	CAR4	Adjacent	7.00	1.30	varies - based on plume width	1.21	16	211.9	6.25000E-02	Phase 1	5.0%	1.40934E+01	1.29947E-01	3.55533E-01	3.196
On-site Car Circulation South of Building E	22.96	7.00	varies - AERMAP	CAR5	Adjacent	7.00	1.30	varies - based on plume width	1.21	28	360.3	3.57143E-02	Phase 2	14.0%	1.69523E+01	1.02252E-01	1.61013E-01	8.271
On-site Car Circulation South of Building D	22.96	7.00	varies - AERMAP	CAR6	Adjacent	7.00	1.30	varies - based on plume width	1.21	20	261	5.00000E-02	Phase 2	10.2%	1.22802E+01	7.40711E-02	1.16637E-01	8.388
On-site Car Circulation West of Building D	22.96	7.00	varies - AERMAP	CAR7	Adjacent	7.00	1.30	varies - based on plume width	1.21	25	321.4	4.00000E-02	Phase 2	12.5%	1.51220E+01	9.12124E-02	1.43629E-01	8.263
On-site Car Circulation South of Building F	22.96	7.00	varies - AERMAP	CAR8	Adjacent	7.00	1.30	varies - based on plume width	1.21	27	348.9	3.70370E-02	Phase 2	13.6%	1.64159E+01	9.90168E-02	1.55919E-01	8.306
On-site Car Circulation West of Building G	22.96	7.00	varies - AERMAP	CAR9	Adjacent	7.00	1.30	varies - based on plume width	1.21	24	314.5	4.16667E-02	Phase 2	12.2%	1.47973E+01	8.92542E-02	1.40546E-01	8.422
On-site Car Circulation Around Building G	55.77	17.00	varies - AERMAP	TRK7	Adjacent	17.00	1.30	varies - based on plume width	1.21	20	462.2	5.00000E-02	Phase 2	18.0%	2.17467E+01	1.31171E-01	2.06551E-01	1.485
On-site Car Circulation North Entrance by Building F	39.37	12.00	varies - AERMAP	TRK8	Adjacent	12.00	1.30	varies - based on plume width	1.21	8	148	1.25000E-01	Phase 2	5.8%	6.96346E+00	4.20020E-02	6.61392E-02	1.189
On-site Car Circulation North Side of Building F	55.77	17.00	varies - AERMAP	TRK9	Adjacent	17.00	1.30	varies - based on plume width	1.21	9	195.9	1.11111E-01	Phase 2	7.6%	9.21717E+00	5.55959E-02	8.75451E-02	1.399
On-site Car Circulation West of Building F	39.37	12.00	varies - AERMAP	TRKF	Adjacent	12.00	1.30	varies - based on plume width	1.21	9	159.1	1.11111E-01	Phase 2	6.2%	7.48572E+00	4.51521E-02	7.10997E-02	1.136

Onsite Road Segments - Trucks (Unmitigated)

Orisite Road Segitients - Tracks (Orinitigated)		Road			Line	Plume												
Road	Road Width (ft)	Width (m)	Base Elevation	SourceID	Volume Src Type		Release Height (m)	Initial Lateral Dimension (m)	Initial Vertical Dimension (m)	# Volume Sources	Total Length (m)	g/s per vol (1 g/s)	Phase	% Allocation	ROG (lb/yr)	DPM (lb/yr)	Total PM2.5 (lb/yr)	Total PM2.5 (g/s/vol)
On-site Truck Circulation Around Building BC	32.8	10.00	varies - AERMAP	TRK1	Adjacent	10.00	3.40	varies - based on plume width	3.16	91	1459.3	1.09890E-02	Phase 1	57.6%	6.26141E+01	3.05817E+00	1.22409E+01	1.93477E-06
On-site Truck Circulation Around Building BC (southeast segment)	55.77	17.00	varies - AERMAP	TRK2	Adjacent	17.00	3.40	varies - based on plume width	3.16	7	166.8	1.42857E-01	Phase 1	6.6%	7.15687E+00	3.49553E-01	1.39915E+00	2.87491E-06
On-site Truck Circulation from Building BC to Building A	39.37	12.00	varies - AERMAP	TRK3	Adjacent	12.00	3.40	varies - based on plume width	3.16	16	279.5	6.25000E-02	Phase 1	11.0%	1.19925E+01	5.85732E-01	2.34450E+00	2.10760E-06
On-site Truck Circulation South of Building A	55.77	17.00	varies - AERMAP	TRK4	Adjacent	17.00	3.40	varies - based on plume width	3.16	9	198.7	1.11111E-01	Phase 1	7.8%	8.52561E+00	4.16404E-01	1.66673E+00	2.66368E-06
On-site Truck Circulation Western Edge Between Buildings A and BC	32.8	10.00	varies - AERMAP	TRK5	Adjacent	10.00	3.40	varies - based on plume width	3.16	8	126.7	1.25000E-01	Phase 1	5.0%	5.43631E+00	2.65518E-01	1.06278E+00	1.91079E-06
On-site Truck Circulation North of Buildings D and E	55.77	17.00	varies - AERMAP	TRK6	Adjacent	17.00	3.40	varies - based on plume width	3.16	13	304.7	7.69231E-02	Phase 1	12.0%	1.30737E+01	6.38542E-01	2.55588E+00	2.82785E-06
On-site Truck Circulation Around Building G	55.77	17.00	varies - AERMAP	TRK7	Adjacent	17.00	3.40	varies - based on plume width	3.16	20	462.2	5.00000E-02	Phase 2	47.9%	2.25927E+01	3.55686E-01	1.18103E+00	8.49355E-07
On-site Truck Circulation North Entrance by Building F	39.37	12.00	varies - AERMAP	TRK8	Adjacent	12.00	3.40	varies - based on plume width	3.16	8	148	1.25000E-01	Phase 2	15.3%	7.23437E+00	1.13893E-01	3.78174E-01	6.79925E-07
On-site Truck Circulation North Side of Building F	55.77	17.00	varies - AERMAP	TRK9	Adjacent	17.00	3.40	varies - based on plume width	3.16	9	195.9	1.11111E-01	Phase 2	20.3%	9.57576E+00	1.50755E-01	5.00570E-01	7.99984E-07
On-site Truck Circulation Soutn Entrance by Building F	39.37	12.00	varies - AERMAP	TRKF	Adjacent	12.00	3.40	varies - based on plume width	3.16	9	159.1	1.11111E-01	Phase 2	16.5%	7.77694E+00	1.22435E-01	4.06537E-01	6.49706E-07

Worker ROG - Operation		PHASE 1	
Toxic Compounds (lb/yr)	EMFAC Gasoline TOG Speciation	Onsite Trucks	Onsite Cars
	(% of TOG)	Trucks	Cars
Acetaldehyde	0.28%	3.05E-01	7.85E-01
Acrolein	0.13%	1.41E-01	3.64E-01
Benzene	2.47%	2.69E+00	6.92E+00
1,3-Butadiene	0.55%	5.98E-01	1.54E+00
Ethylbenzene	1.05%	1.14E+00	2.94E+00
Formaldehyde	1.58%	1.72E+00	4.43E+00
Hexane	1.60%	1.74E+00	4.48E+00
Methanol	0.12%	1.31E-01	3.36E-01
Methyl Ethyl Ketone	0.02%	2.18E-02	5.61E-02
Naphthalene	0.05%	5.44E-02	1.40E-01
Propylene	3.06%	3.33E+00	8.58E+00
Styrene	0.12%	1.31E-01	3.36E-01
Toluene	5.76%	6.27E+00	1.61E+01
Xylenes	4.80%	5.22E+00	1.35E+01
DPM	ton/yr	2.66E-03	1.29E-03
DPM	lb/yr	5.31E+00	2.58E+00

lb/hr	(% of TOG)	Trucks	Cars
Acetaldehyde	0.28%	3.48E-05	8.96E-05
Acrolein	0.13%	1.61E-05	4.16E-05
Benzene	2.47%	3.07E-04	7.90E-04
1,3-Butadiene	0.55%	6.83E-05	1.76E-04
Ethylbenzene	1.05%	1.30E-04	3.36E-04
Formaldehyde	1.58%	1.96E-04	5.05E-04
Hexane	1.60%	1.99E-04	5.12E-04
Methanol	0.12%	1.49E-05	3.84E-05
Methyl Ethyl Ketone	0.02%	2.48E-06	6.40E-06
Naphthalene	0.05%	6.21E-06	1.60E-05
Propylene	3.06%	3.80E-04	9.79E-04
Styrene	0.12%	1.49E-05	3.84E-05
Toluene	5.76%	7.15E-04	1.84E-03
Xylenes	4.80%	5.96E-04	1.54E-03

Truck/Worker ROG - Operation	PHASE 1 + PHASE 2

Toxic Compounds (lb/yr)	EMFAC Gasoline TOG Speciation	Onsite Trucks	Onsite Cars
	(% of TOG)	Trucks	Cars
Acetaldehyde	0.28%	4.37E-01	1.12E+00
Acrolein	0.13%	2.03E-01	5.22E-01
Benzene	2.47%	3.85E+00	9.91E+00
1,3-Butadiene	0.55%	8.58E-01	2.21E+00
Ethylbenzene	1.05%	1.64E+00	4.21E+00
Formaldehyde	1.58%	2.46E+00	6.34E+00
Hexane	1.60%	2.50E+00	6.42E+00
Methanol	0.12%	1.87E-01	4.81E-01
Methyl Ethyl Ketone	0.02%	3.12E-02	8.02E-02
Naphthalene	0.05%	7.80E-02	2.01E-01
Propylene	3.06%	4.77E+00	1.23E+01
Styrene	0.12%	1.87E-01	4.81E-01
Toluene	5.76%	8.98E+00	2.31E+01
Xylenes	4.80%	7.49E+00	1.93E+01
DPM	ton/yr	3.03E-03	1.66E-03
DPM	lb/yr	6.06E+00	3.31E+00

lb/hr	(% of TOG)	Trucks	Cars
Acetaldehyde	0.28%	4.99E-05	1.28E-04
Acrolein	0.13%	2.31E-05	5.95E-05
Benzene	2.47%	4.40E-04	1.13E-03
1,3-Butadiene	0.55%	9.79E-05	2.52E-04
Ethylbenzene	1.05%	1.87E-04	4.81E-04
Formaldehyde	1.58%	2.81E-04	7.24E-04
Hexane	1.60%	2.85E-04	7.33E-04
Methanol	0.12%	2.14E-05	5.50E-05
Methyl Ethyl Ketone	0.02%	3.56E-06	9.16E-06
Naphthalene	0.05%	8.90E-06	2.29E-05
Propylene	3.06%	5.45E-04	1.40E-03
Styrene	0.12%	2.14E-05	5.50E-05
Toluene	5.76%	1.03E-03	2.64E-03
Xylenes	4.80%	8.55E-04	2.20E-03

Offsite On-Road	Operational So	ources (Unmiti	igated)			Ops - Cars Interim	Ops - Cars Full Build	Ops - Trucks Interim	Ops - Trucks Full Build
Base Elevation	SourceID	Line Volume Src Type	# Volume Sources	Total Length (m)	g/s per vol (1 g/s)	Total PM2.5 (g/s/vol)	Total PM2.5 (g/s/vol)	Total PM2.5 (g/s/vol)	Total PM2.5 (g/s/vol)
varies - AERMAP	PEN1	Adjacent	19	393.8	5.2632E-02	2.61610E-05	3.86746E-05	2.06904E-05	3.05888E-05
varies - AERMAP	COR1	Adjacent	92	1117.9	1.0870E-02	3.35578E-08	4.96096E-08	2.65405E-08	3.92375E-08
varies - AERMAP	COR2	Adjacent	94	1275.7	1.0638E-02	5.58345E-07	8.25419E-07	4.41589E-07	6.52846E-07
varies - AERMAP	PEN2	Adjacent	11	243.2	9.0909E-02	5.14554E-06	7.60681E-06	4.06954E-06	6.01642E-06
varies - AERMAP	HY01	Adjacent	114	1718.7	8.7719E-03	6.04826E-07	8.94133E-07	4.78350E-07	7.07193E-07
varies - AERMAP	HY02	Adjacent	113	1714.4	8.8496E-03	9.74464E-07	1.44058E-06	7.70692E-07	1.13939E-06
varies - AERMAP	PEN3	Adjacent	64	867.4	1.5625E-02	8.68309E-07	1.28365E-06	6.86735E-07	1.01527E-06
varies - AERMAP	PEN4	Adjacent	64	870	1.5625E-02	1.18991E-06	1.75907E-06	9.41082E-07	1.39130E-06
varies - AERMAP	WTX1	Adjacent	67	1417.5	1.4925E-02	3.07196E-07	4.54138E-07	2.42958E-07	3.59189E-07
varies - AERMAP	BEK1	Adjacent	9	198.4	1.1111E-01	7.88982E-06	1.16638E-05	6.23997E-06	9.22518E-06
varies - AERMAP	BEK2	Adjacent	36	774.4	2.7778E-02	1.97246E-06	2.91594E-06	1.55999E-06	2.30629E-06
varies - AERMAP	COR3	Adjacent	86	1562.1	1.1628E-02	1.19664E-07	1.76902E-07	9.46405E-08	1.39917E-07
varies - AERMAP	BEK3	Adjacent	37	443.2	2.7027E-02	7.23156E-07	1.06906E-06	5.71936E-07	8.45551E-07
varies - AERMAP	BEK4	Adjacent	52	634	1.9231E-02	1.97905E-07	2.92569E-07	1.56521E-07	2.31401E-07
varies - AERMAP	BEK5	Adjacent	51	617	1.9608E-02	3.22857E-07	4.77290E-07	2.55344E-07	3.77501E-07
varies - AERMAP	CBN1	Adjacent	107	1296.9	9.3458E-03	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
varies - AERMAP	CBN2	Adjacent	107	1296.2	9.3458E-03	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
varies - AERMAP	HY03	Adjacent	101	1535.1	9.9010E-03	6.01162E-07	8.88716E-07	4.75452E-07	7.02909E-07
varies - AERMAP	HY04	Adjacent	102	1539.4	9.8039E-03	5.04464E-08	7.45765E-08	3.98975E-08	5.89845E-08
varies - AERMAP	HY05	Adjacent	91	1370.9	1.0989E-02	8.59474E-07	1.27059E-06	6.79748E-07	1.00494E-06
varies - AERMAP	HY06	Adjacent	91	1375.3	1.0989E-02	1.18743E-06	1.75542E-06	9.39125E-07	1.38840E-06

SRC ID	SRC No.	CAS	Pollutant	(Interim Op	s - Onsite)
SKC ID	SING INO.	CAS	Foliutant	lb/yr	lb/hr
GEN_A	1	9901	DieselExhPM	4.81E+00	0.00E+00
GEN_BC	2	9901	DieselExhPM	4.81E+00	0.00E+00
FWP_A	3	9901	DieselExhPM	4.81E+00	0.00E+00
FWP_BC	4	9901	DieselExhPM	4.81E+00	0.00E+00
TRU_A	5	9901	DieselExhPM	1.27E+02	0.00E+00
TRU_BC	6	9901	DieselExhPM	6.19E+02	0.00E+00
FLA	7	9901	DieselExhPM	3.93E+01	0.00E+00
FLB	8	9901	DieselExhPM	1.57E+02	0.00E+00
CARS	9	9901	DieselExhPM	2.58E+00	0.00E+00
TRUCKS	10	9901	DieselExhPM	5.31E+00	0.00E+00
CARS	9	75070	Acetaldehyde	7.85E-01	8.96E-05
CARS	9	107028	Acrolein	3.64E-01	4.16E-05
CARS	9	71432	Benzene	6.92E+00	7.90E-04
CARS	9	106990	1,3-Butadiene	1.54E+00	1.76E-04
CARS	9	100414	Ethylbenzene	2.94E+00	3.36E-04
CARS	9	50000	Formaldehyde	4.43E+00	5.05E-04
CARS	9	110543	Hexane	4.48E+00	5.12E-04
CARS	9	67561	Methanol	3.36E-01	3.84E-05
CARS	9	78933	Methyl Ethyl Ketone	5.61E-02	6.40E-06
CARS	9	91203	Naphthalene	1.40E-01	1.60E-05
CARS	9		Propylene	8.58E+00	9.79E-04
CARS	9	100425	Styrene	3.36E-01	3.84E-05
CARS	9		Toluene	1.61E+01	1.84E-03
CARS	9	1330207	Xylenes	1.35E+01	1.54E-03
TRUCKS	10	75070	Acetaldehyde	3.05E-01	3.48E-05
TRUCKS	10	107028	Acrolein	1.41E-01	1.61E-05
TRUCKS	10	71432	Benzene	2.69E+00	3.07E-04
TRUCKS	10	106990	1,3-Butadiene	5.98E-01	6.83E-05
TRUCKS	10	100414	Ethylbenzene	1.14E+00	1.30E-04
TRUCKS	10		Formaldehyde	1.72E+00	1.96E-04
TRUCKS	10	110543	Hexane	1.74E+00	1.99E-04
TRUCKS	10	67561	Methanol	1.31E-01	1.49E-05
TRUCKS	10	78933	Methyl Ethyl Ketone	2.18E-02	2.48E-06
TRUCKS	10		Naphthalene	5.44E-02	6.21E-06
TRUCKS	10	115071	Propylene	3.33E+00	3.80E-04
TRUCKS	10		Styrene	1.31E-01	1.49E-05
TRUCKS	10	108883	Toluene	6.27E+00	7.15E-04
TRUCKS	10	1330207	Xylenes	5.22E+00	5.96E-04

cnc.in	CDC No	CAC	Dollutont	(Interim Ops - Offsi	te)
SRC ID	SRC No.	CAS	Pollutant	lb/yr	lb/hr
PEN1_Cars	1	9901	DieselExhPM	1.43E+00	0.00E+00
COR1_Cars	2	9901	DieselExhPM	8.90E-03	0.00E+00
COR2_Cars	3	9901	DieselExhPM	1.51E-01	0.00E+00
PEN2_Cars	4	9901	DieselExhPM	1.63E-01	0.00E+00
HY01_Cars	5	9901	DieselExhPM	1.99E-01	0.00E+00
HY02_Cars	6	9901	DieselExhPM	3.17E-01	0.00E+00
PEN3_Cars	7	9901	DieselExhPM	1.60E-01	0.00E+00
PEN4_Cars	8	9901	DieselExhPM	2.20E-01	0.00E+00
WTX1_Cars	9	9901	DieselExhPM	5.93E-02	0.00E+00
BEK1_Cars	10	9901	DieselExhPM	2.05E-01	0.00E+00
BEK2_Cars	11	9901	DieselExhPM	2.05E-01	0.00E+00
COR3_Cars	12	9901	DieselExhPM	2.97E-02	0.00E+00
BEK3_Cars	13	9901	DieselExhPM	7.71E-02	0.00E+00
BEK4_Cars	14	9901	DieselExhPM	2.97E-02	0.00E+00
BEK5_Cars	15	9901	DieselExhPM	4.75E-02	0.00E+00
CBN1_Cars	16	9901	DieselExhPM	0.00E+00	0.00E+00
CBN2_Cars	17	9901	DieselExhPM	0.00E+00	0.00E+00
HY03_Cars	18	9901	DieselExhPM	1.75E-01	0.00E+00
HY04_Cars	19	9901	DieselExhPM	1.48E-02	0.00E+00
HY05_Cars	20	9901	DieselExhPM	2.25E-01	0.00E+00
HY06_Cars	21	9901	DieselExhPM	3.12E-01	0.00E+00
PEN1_Trucks	22	9901	DieselExhPM	8.55E+00	0.00E+00
COR1_Trucks	23	9901	DieselExhPM	5.31E-02	0.00E+00
COR2_Trucks	24	9901	DieselExhPM	9.03E-01	0.00E+00
PEN2_Trucks	25	9901	DieselExhPM	9.74E-01	0.00E+00
HY01_Trucks	26	9901	DieselExhPM	1.19E+00	0.00E+00
HY02_Trucks	27	9901	DieselExhPM	1.89E+00	0.00E+00
PEN3_Trucks	28	9901	DieselExhPM	9.56E-01	0.00E+00
PEN4_Trucks	29	9901	DieselExhPM	1.31E+00	0.00E+00
WTX1_Trucks	30	9901	DieselExhPM	3.54E-01	0.00E+00
BEK1_Trucks	31	9901	DieselExhPM	1.22E+00	0.00E+00
BEK2_Trucks	32	9901	DieselExhPM	1.22E+00	0.00E+00
COR3_Trucks	33	9901	DieselExhPM	1.77E-01	0.00E+00
BEK3_Trucks	34	9901	DieselExhPM	4.60E-01	0.00E+00
BEK4_Trucks	35	9901	DieselExhPM	1.77E-01	0.00E+00
BEK5_Trucks	36	9901	DieselExhPM	2.83E-01	0.00E+00
CBN1_Trucks	37	9901	DieselExhPM	0.00E+00	0.00E+00
CBN2_Trucks	38	9901	DieselExhPM	0.00E+00	0.00E+00
HY03_Trucks	39	9901	DieselExhPM	1.04E+00	0.00E+00
HY04_Trucks	40	9901	DieselExhPM	8.85E-02	0.00E+00
HY05_Trucks	41	9901	DieselExhPM	1.35E+00	0.00E+00
HY06_Trucks	42	9901	DieselExhPM	1.86E+00	0.00E+00
PEN1_Cars	1	75070	Acetaldehyde	1.19E-01	1.35E-05
PEN1_Cars	1	107028	Acrolein	5.51E-02	6.29E-06

			1		
PEN1_Cars	1		Benzene	1.05E+00	
PEN1_Cars	1		1,3-Butadiene	2.33E-01	2.66E-05
PEN1_Cars	1		Ethylbenzene	4.45E-01	5.08E-05
PEN1_Cars	1	50000	Formaldehyde	6.70E-01	7.65E-05
PEN1_Cars	1	110543	Hexane	6.78E-01	7.74E-05
PEN1_Cars	1	67561	Methanol	5.09E-02	5.81E-06
PEN1_Cars	1	78933	Methyl Ethyl Ketor	8.48E-03	9.68E-07
PEN1_Cars	1	91203	Naphthalene	2.12E-02	2.42E-06
PEN1_Cars	1	115071	Propylene	1.30E+00	1.48E-04
PEN1_Cars	1		Styrene	5.09E-02	5.81E-06
PEN1_Cars	1		Toluene	2.44E+00	2.79E-04
PEN1_Cars	1	1330207		2.03E+00	
COR1_Cars	2		Acetaldehyde	7.37E-04	8.42E-08
COR1_Cars	2		Acrolein	3.42E-04	
COR1_Cars	2		Benzene	6.50E-03	
COR1_Cars	2		1,3-Butadiene	1.45E-03	
COR1_Cars	2		Ethylbenzene	2.76E-03	
COR1_Cars	2		Formaldehyde	4.16E-03	
COR1_Cars	2		Hexane	4.21E-03	
COR1_Cars	2		Methanol	3.16E-04	
COR1_Cars	2		Methyl Ethyl Ketor		
COR1_Cars	2		Naphthalene	1.32E-04	
COR1_Cars	2		Propylene	8.06E-03	
COR1_Cars	2		Styrene	3.16E-04	
COR1_Cars	2		Toluene	1.52E-02	
COR1_Cars	2	1330207		1.26E-02	1.73E-06 1.44E-06
COR1_Cars	3		Acetaldehyde	1.25E-02	
	3				
COR2_Cars COR2_Cars	3		Acrolein	5.82E-03 1.11E-01	6.64E-07 1.26E-05
	3		Benzene		
COR2_Cars			1,3-Butadiene	2.46E-02	
COR2_Cars	3	T00414	Ethylbenzene	4.70E-02	
COR2_Cars	3		Formaldehyde	7.07E-02	
COR2_Cars	3		Hexane	7.16E-02	
COR2_Cars	3		Methanol	5.37E-03	
COR2_Cars	3		Methyl Ethyl Ketor		
COR2_Cars	3		Naphthalene	2.24E-03	
COR2_Cars	3		Propylene	1.37E-01	1.56E-05
COR2_Cars	3		Styrene	5.37E-03	
COR2_Cars	3		Toluene	2.58E-01	2.94E-05
COR2_Cars	3	1330207	,	2.15E-01	2.45E-05
PEN2_Cars	4		Acetaldehyde	1.35E-02	1.54E-06
PEN2_Cars	4		Acrolein	6.27E-03	
PEN2_Cars	4		Benzene	1.19E-01	1.36E-05
PEN2_Cars	4		1,3-Butadiene	2.65E-02	
PEN2_Cars	4	100414	Ethylbenzene	5.07E-02	5.79E-06
PEN2_Cars	4		Formaldehyde	7.63E-02	8.71E-06
PEN2_Cars	4	110543	Hexane	7.72E-02	8.82E-06

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PEN2_Cars	4		Methanol	5.79E-03	6.61E-07
PEN2_Cars	4		Methyl Ethyl Ketor	9.65E-04	1.10E-07
PEN2_Cars	4		Naphthalene	2.41E-03	2.76E-07
PEN2_Cars	4		Propylene	1.48E-01	1.69E-05
PEN2_Cars	4		Styrene	5.79E-03	6.61E-07
PEN2_Cars	4		Toluene	2.78E-01	3.17E-05
PEN2_Cars	4	1330207	,	2.32E-01	2.64E-05
HY01_Cars	5		Acetaldehyde	1.65E-02	1.88E-06
HY01_Cars	5		Acrolein	7.64E-03	8.73E-07
HY01_Cars	5	71432	Benzene	1.45E-01	1.66E-05
HY01_Cars	5		1,3-Butadiene	3.23E-02	3.69E-06
HY01_Cars	5	100414	Ethylbenzene	6.17E-02	7.05E-06
HY01_Cars	5	50000	Formaldehyde	9.29E-02	1.06E-05
HY01_Cars	5	110543	Hexane	9.41E-02	1.07E-05
HY01_Cars	5	67561	Methanol	7.06E-03	8.05E-07
HY01_Cars	5	78933	Methyl Ethyl Ketor	1.18E-03	1.34E-07
HY01_Cars	5		Naphthalene	2.94E-03	3.36E-07
HY01_Cars	5	115071	Propylene	1.80E-01	2.05E-05
HY01_Cars	5		Styrene	7.06E-03	8.05E-07
HY01_Cars	5		Toluene	3.39E-01	3.87E-05
HY01_Cars	5	1330207	Xylenes	2.82E-01	3.22E-05
HY02_Cars	6		Acetaldehyde	2.63E-02	3.00E-06
HY02_Cars	6		Acrolein	1.22E-02	1.39E-06
HY02_Cars	6		Benzene	2.32E-01	2.65E-05
HY02_Cars	6		1,3-Butadiene	5.16E-02	5.90E-06
HY02_Cars	6		Ethylbenzene	9.86E-02	1.13E-05
HY02_Cars	6		Formaldehyde	1.48E-01	1.69E-05
HY02 Cars	6		Hexane	1.50E-01	1.72E-05
HY02_Cars	6		Methanol	1.13E-02	1.29E-06
HY02_Cars	6		Methyl Ethyl Ketor		2.14E-07
HY02_Cars	6		Naphthalene	4.70E-03	
HY02_Cars	6		Propylene	2.87E-01	3.28E-05
HY02_Cars	6		Styrene	1.13E-02	1.29E-06
HY02_Cars	6		Toluene	5.41E-01	6.17E-05
HY02_Cars	6	1330207		4.51E-01	5.15E-05
PEN3_Cars	7		Acetaldehyde	1.33E-02	1.51E-06
PEN3_Cars	7		Acrolein	6.16E-03	7.03E-07
PEN3_Cars	7		Benzene	1.17E-01	1.34E-05
PEN3_Cars	7		1,3-Butadiene	2.61E-02	2.98E-06
PEN3_Cars	7		Ethylbenzene	4.98E-02	5.68E-06
PEN3_Cars	7		Formaldehyde	7.49E-02	8.55E-06
PEN3_Cars	7		Hexane	7.58E-02	8.66E-06
PEN3_Cars	7		Methanol	5.69E-03	6.49E-07
PEN3_Cars	7		Methyl Ethyl Ketor	9.48E-04	1.08E-07
PEN3_Cars	7		Naphthalene	2.37E-03	2.70E-07
PEN3_Cars	7		Propylene	1.45E-01	1.66E-05
PEN3_Cars	7		Styrene	5.69E-03	
i rino-rai 2	/	100423	oral cite	3.09E-03	0.49E-U/

DEM2 Care	7	100002	Taluana	2.73E-01	2 125 05
PEN3_Cars			Toluene		3.12E-05
PEN3_Cars	7	1330207	,	2.27E-01	2.60E-05
PEN4_Cars	8		Acetaldehyde	1.82E-02	
PEN4_Cars	8		Acrolein	8.44E-03	
PEN4_Cars	8		Benzene	1.60E-01	1.83E-05
PEN4_Cars	8		1,3-Butadiene	3.57E-02	4.08E-06
PEN4_Cars	8		Ethylbenzene	6.82E-02	
PEN4_Cars	8		Formaldehyde	1.03E-01	1.17E-05
PEN4_Cars	8	110543	Hexane	1.04E-01	1.19E-05
PEN4_Cars	8	67561	Methanol	7.79E-03	8.90E-07
PEN4_Cars	8	78933	Methyl Ethyl Ketor	1.30E-03	1.48E-07
PEN4_Cars	8	91203	Naphthalene	3.25E-03	3.71E-07
PEN4_Cars	8	115071	Propylene	1.99E-01	2.27E-05
PEN4_Cars	8	100425	Styrene	7.79E-03	8.90E-07
PEN4_Cars	8		Toluene	3.74E-01	4.27E-05
PEN4_Cars	8	1330207		3.12E-01	3.56E-05
WTX1_Cars	9		Acetaldehyde	4.91E-03	
WTX1_Cars	9		Acrolein	2.28E-03	
WTX1_Cars	9		Benzene	4.34E-02	4.95E-06
WTX1_Cars	9		1,3-Butadiene	9.65E-03	
WTX1_Cars	9		Ethylbenzene	1.84E-02	2.10E-06
WTX1_Cars	9		Formaldehyde	2.77E-02	
WTX1_Cars	9		Hexane	2.81E-02	3.21E-06
WTX1_Cars	9		Methanol	2.11E-03	
WTX1_Cars	9		Methyl Ethyl Ketor		4.01E-08
WTX1_Cars	9		Naphthalene	8.78E-04	1.00E-07
WTX1_Cars	9		Propylene	5.37E-02	
WTX1_Cars	9		Styrene	2.11E-03	
WTX1_Cars	9		Toluene	1.01E-01	1.15E-05
WTX1_Cars	9	1330207		8.43E-02	
	10		,	1.70E-02	
BEK1_Cars BEK1_Cars	10		Acetaldehyde	7.87E-03	
			Acrolein		
BEK1_Cars	10 10		Benzene	1.50E-01 3.33E-02	1.71E-05
BEK1_Cars			1,3-Butadiene		
BEK1_Cars	10		Ethylbenzene	6.36E-02	
BEK1_Cars	10		Formaldehyde	9.57E-02	1.09E-05
BEK1_Cars	10		Hexane	9.69E-02	
BEK1_Cars	10		Methanol	7.27E-03	
BEK1_Cars	10		Methyl Ethyl Ketor		
BEK1_Cars	10		Naphthalene	3.03E-03	
BEK1_Cars	10		Propylene	1.85E-01	2.12E-05
BEK1_Cars	10		Styrene	7.27E-03	
BEK1_Cars	10		Toluene	3.49E-01	3.98E-05
BEK1_Cars	10	1330207	ž .	2.91E-01	3.32E-05
BEK2_Cars	11	75070	Acetaldehyde	1.70E-02	1.94E-06
BEK2_Cars	11	107028	Acrolein	7.87E-03	8.99E-07
BEK2_Cars	11	71432	Benzene	1.50E-01	1.71E-05

DEV2 Cars	11	104000	1.2 Dutadiana	2 225 02	2 005 04
BEK2_Cars BEK2_Cars	11 11		1,3-Butadiene	3.33E-02	
	11		Ethylbenzene	6.36E-02 9.57E-02	
BEK2_Cars BEK2_Cars	11		Formaldehyde Hexane	9.69E-02	1.09E-05
	11		Methanol	7.27E-03	
BEK2_Cars					
BEK2_Cars	11 11		Methyl Ethyl Ketor		
BEK2_Cars			Naphthalene	3.03E-03	
BEK2_Cars	11 11		Propylene	1.85E-01 7.27E-03	2.12E-05
BEK2_Cars			Styrene		
BEK2_Cars	11		Toluene	3.49E-01	3.98E-05
BEK2_Cars	11 12	1330207		2.91E-01	3.32E-05
COR3_Cars	12		Acetaldehyde	2.46E-03	
COR3_Cars	12		Acrolein	1.14E-03 2.17E-02	
COR3_Cars			Benzene		2.47E-06
COR3_Cars	12		1,3-Butadiene	4.83E-03	
COR3_Cars	12		Ethylbenzene	9.21E-03	
COR3_Cars	12 12		Formaldehyde	1.39E-02	
COR3_Cars			Hexane	1.40E-02	1.60E-06
COR3_Cars	12		Methanol	1.05E-03	
COR3_Cars	12		Methyl Ethyl Ketor		2.00E-08
COR3_Cars	12		Naphthalene	4.39E-04	5.01E-08
COR3_Cars	12		Propylene	2.69E-02	
COR3_Cars	12		Styrene	1.05E-03	
COR3_Cars	12		Toluene	5.06E-02	5.77E-06
COR3_Cars	12	1330207	,	4.21E-02	4.81E-06
BEK3_Cars	13 13		Acetaldehyde Acrolein	6.39E-03	
BEK3_Cars				2.97E-03	
BEK3_Cars BEK3_Cars	13 13		Benzene 1,3-Butadiene	5.64E-02 1.25E-02	6.43E-06 1.43E-06
BEK3_Cars	13		Ethylbenzene	2.40E-02	
	13				
BEK3_Cars	13		Formaldehyde Hexane	3.61E-02 3.65E-02	
BEK3_Cars BEK3_Cars	13				
BEK3_Cars	13		Methanol Methyl Ethyl Ketor	2.74E-03 4.56E-04	
BEK3_Cars	13		Naphthalene	1.14E-03	
BEK3_Cars	13		Propylene	6.98E-02	7.97E-06
BEK3_Cars	13		Styrene	2.74E-03	
BEK3_Cars	13		Toluene	1.31E-01	1.50E-05
BEK3_Cars	13	1330207		1.10E-01	1.25E-05
BEK4_Cars	14		Acetaldehyde	2.46E-03	
BEK4_Cars	14		Acrolein	1.14E-03	
BEK4_Cars	14		Benzene	2.17E-02	
BEK4_Cars	14		1,3-Butadiene	4.83E-03	
BEK4_Cars	14		Ethylbenzene	9.21E-03	
BEK4_Cars	14		Formaldehyde	1.39E-02	
BEK4_Cars	14		Hexane	1.40E-02	1.60E-06
BEK4_Cars	14		Methanol	1.40E-02 1.05E-03	
DEN4_Cals	14	0/301	ivietriariol	1.00E-03	I.ZUE-U/

BEK4_Cars	14	70022	Mothyl Ethyl Kotor	1.76E-04	2.00E-08
BEK4_Cars	14		Methyl Ethyl Ketor Naphthalene	4.39E-04	5.01E-08
BEK4_Cars	14		Propylene	2.69E-02	3.07E-06
BEK4_Cars	14		Styrene	1.05E-03	1.20E-07
BEK4_Cars	14		Toluene	5.06E-02	5.77E-06
BEK4_Cars	14	1330207		4.21E-02	4.81E-06
BEK5_Cars	15			3.93E-03	4.49E-07
BEK5_Cars	15		Acetaldehyde Acrolein	1.83E-03	2.08E-07
BEK5_Cars	15		Benzene	3.47E-02	3.96E-06
BEK5_Cars	15		1,3-Butadiene	7.72E-03	8.82E-07
BEK5_Cars	15		Ethylbenzene	1.47E-02	1.68E-06
BEK5_Cars	15		Formaldehyde	2.22E-02	2.53E-06
BEK5_Cars	15		Hexane	2.25E-02	2.56E-06
BEK5_Cars	15		Methanol	1.69E-03	1.92E-07
BEK5_Cars	15		Methyl Ethyl Ketor		3.21E-08
BEK5_Cars	15		Naphthalene	7.02E-04	8.01E-08
BEK5_Cars	15		Propylene	4.30E-02	4.90E-06
BEK5_Cars	15		Styrene	1.69E-03	1.92E-07
BEK5_Cars	15		Toluene	8.09E-02	9.23E-06
BEK5_Cars	15	1330207		6.74E-02	7.69E-06
CBN1_Cars	16		Acetaldehyde	0.00E+00	0.00E+00
CBN1_Cars	16		Acrolein	0.00E+00	0.00E+00
CBN1_Cars	16		Benzene	0.00E+00	0.00E+00
CBN1_Cars	16		1,3-Butadiene	0.00E+00	0.00E+00
CBN1_Cars	16		Ethylbenzene	0.00E+00	0.00E+00
CBN1_Cars	16		Formaldehyde	0.00E+00	0.00E+00
CBN1_Cars	16		Hexane	0.00E+00	0.00E+00
CBN1_Cars	16	67561	Methanol	0.00E+00	0.00E+00
CBN1_Cars	16	78933	Methyl Ethyl Ketor	0.00E+00	0.00E+00
CBN1_Cars	16		Naphthalene	0.00E+00	0.00E+00
CBN1_Cars	16	115071	Propylene	0.00E+00	0.00E+00
CBN1_Cars	16	100425	Styrene	0.00E+00	0.00E+00
CBN1_Cars	16	108883	Toluene	0.00E+00	0.00E+00
CBN1_Cars	16	1330207	J	0.00E+00	0.00E+00
CBN2_Cars	17	75070	Acetaldehyde	0.00E+00	0.00E+00
CBN2_Cars	17		Acrolein	0.00E+00	0.00E+00
CBN2_Cars	17		Benzene	0.00E+00	0.00E+00
CBN2_Cars	17		1,3-Butadiene	0.00E+00	0.00E+00
CBN2_Cars	17		Ethylbenzene	0.00E+00	0.00E+00
CBN2_Cars	17		Formaldehyde	0.00E+00	0.00E+00
CBN2_Cars	17		Hexane	0.00E+00	0.00E+00
CBN2_Cars	17		Methanol	0.00E+00	0.00E+00
CBN2_Cars	17		Methyl Ethyl Ketor	0.00E+00	0.00E+00
CBN2_Cars	17		Naphthalene	0.00E+00	0.00E+00
CBN2_Cars	17		Propylene	0.00E+00	0.00E+00
CBN2_Cars	17		Styrene	0.00E+00	0.00E+00
CBN2_Cars	17	108883	Toluene	0.00E+00	0.00E+00

CBN2_Cars	17	1330207	Xvlenes	0.00E+00	0.00E+00
HY03_Cars	18		Acetaldehyde	1.45E-02	1.66E-06
HY03_Cars	18		Acrolein	6.73E-03	7.68E-07
HY03_Cars	18		Benzene	1.28E-01	1.46E-05
HY03_Cars	18	106990	1,3-Butadiene	2.85E-02	3.25E-06
HY03_Cars	18	100414	Ethylbenzene	5.44E-02	6.21E-06
HY03_Cars	18	50000	Formaldehyde	8.18E-02	9.34E-06
HY03_Cars	18		Hexane	8.28E-02	9.46E-06
HY03_Cars	18	67561	Methanol	6.21E-03	7.09E-07
HY03_Cars	18		Methyl Ethyl Ketor	1.04E-03	1.18E-07
HY03_Cars	18		Naphthalene	2.59E-03	2.96E-07
HY03_Cars	18		Propylene	1.58E-01	1.81E-05
HY03_Cars	18		Styrene	6.21E-03	7.09E-07
HY03_Cars	18		Toluene	2.98E-01	3.40E-05
HY03_Cars	18	1330207	,	2.49E-01	2.84E-05
HY04_Cars	19		Acetaldehyde	1.23E-03	1.40E-07
HY04_Cars	19		Acrolein	5.70E-04	6.51E-08
HY04_Cars	19		Benzene	1.08E-02	1.24E-06
HY04_Cars	19		1,3-Butadiene	2.41E-03	2.76E-07
HY04_Cars	19		Ethylbenzene	4.61E-03	5.26E-07
HY04_Cars HY04_Cars	19 19		Formaldehyde Hexane	6.93E-03 7.02E-03	7.91E-07
HY04_Cars	19		Methanol	5.27E-04	8.01E-07 6.01E-08
HY04_Cars	19		Methyl Ethyl Ketor	8.78E-05	1.00E-08
HY04_Cars	19		Naphthalene	2.19E-04	2.50E-08
HY04_Cars	19		Propylene	1.34E-02	1.53E-06
HY04_Cars	19		Styrene	5.27E-04	6.01E-08
HY04_Cars	19		Toluene	2.53E-02	2.89E-06
HY04_Cars	19	1330207	I I	2.11E-02	2.40E-06
HY05_Cars	20		Acetaldehyde	1.87E-02	2.13E-06
HY05_Cars	20		Acrolein	8.67E-03	
HY05_Cars	20		Benzene	1.65E-01	1.88E-05
HY05_Cars	20	106990	1,3-Butadiene	3.67E-02	4.19E-06
HY05_Cars	20		Ethylbenzene	7.00E-02	7.99E-06
HY05_Cars	20	50000	Formaldehyde	1.05E-01	1.20E-05
HY05_Cars	20		Hexane	1.07E-01	1.22E-05
HY05_Cars	20		Methanol	8.00E-03	9.14E-07
HY05_Cars	20		Methyl Ethyl Ketor	1.33E-03	1.52E-07
HY05_Cars	20		Naphthalene	3.33E-03	3.81E-07
HY05_Cars	20		Propylene	2.04E-01	2.33E-05
HY05_Cars	20		Styrene	8.00E-03	9.14E-07
HY05_Cars	20		Toluene	3.84E-01	4.39E-05
HY05_Cars	20	1330207	,	3.20E-01	3.65E-05
HY06_Cars	21		Acetaldehyde	2.58E-02	2.95E-06
HY06_Cars	21		Acrolein	1.20E-02	1.37E-06
HY06_Cars	21		Benzene	2.28E-01	2.60E-05
HY06_Cars	21	106990	1,3-Butadiene	5.07E-02	5.79E-06

HY06_Cars	21	100/11/	Ethylhonzono	9.68E-02	1.10E-05
HY06_Cars	21		Ethylbenzene Formaldehyde	1.46E-01	1.66E-05
HY06_Cars	21		Hexane	1.47E-01	1.68E-05
HY06_Cars	21		Methanol	1.47E-01 1.11E-02	1.26E-06
HY06_Cars	21		Methyl Ethyl Ketor	1.84E-03	2.10E-07
HY06_Cars	21		Naphthalene	4.61E-03	5.26E-07
HY06_Cars	21			2.82E-01	3.22E-05
HY06_Cars	21		Propylene Styrene	1.11E-02	1.26E-06
HY06_Cars	21		Toluene	5.31E-01	6.06E-05
HY06_Cars	21	1330207		4.42E-01	5.05E-05
PEN1_Trucks	22		Acetaldehyde	3.50E-01	4.00E-05
PEN1_Trucks	22		Acrolein	1.63E-01	1.86E-05
PEN1_Trucks	22		Benzene	3.09E+00	3.53E-04
PEN1_Trucks	22		1,3-Butadiene	6.88E-01	7.85E-05
PEN1_Trucks	22		Ethylbenzene	1.31E+00	1.50E-04
PEN1_Trucks	22		Formaldehyde	1.98E+00	2.26E-04
PEN1_Trucks	22		Hexane	2.00E+00	2.28E-04
PEN1_Trucks	22		Methanol	1.50E-01	1.71E-05
PEN1_Trucks	22		Methyl Ethyl Ketor	2.50E-02	2.86E-06
PEN1_Trucks	22		Naphthalene	6.25E-02	7.14E-06
PEN1_Trucks	22		Propylene	3.83E+00	4.37E-04
PEN1_Trucks	22		Styrene	1.50E-01	1.71E-05
PEN1_Trucks	22		Toluene	7.20E+00	8.22E-04
PEN1_Trucks	22	1330207		6.00E+00	6.85E-04
COR1_Trucks	23		Acetaldehyde	2.18E-03	2.48E-07
COR1_Trucks	23		Acrolein	1.01E-03	1.15E-07
COR1_Trucks	23		Benzene	1.92E-02	2.19E-06
COR1_Trucks	23	106990	1,3-Butadiene	4.27E-03	4.88E-07
COR1_Trucks	23	100414	Ethylbenzene	8.16E-03	9.31E-07
COR1_Trucks	23		Formaldehyde	1.23E-02	1.40E-06
COR1_Trucks	23	110543	Hexane	1.24E-02	1.42E-06
COR1_Trucks	23	67561	Methanol	9.32E-04	1.06E-07
COR1_Trucks	23	78933	Methyl Ethyl Ketor	1.55E-04	1.77E-08
COR1_Trucks	23		Naphthalene	3.88E-04	4.43E-08
COR1_Trucks	23		Propylene	2.38E-02	2.71E-06
COR1_Trucks	23		Styrene	9.32E-04	1.06E-07
COR1_Trucks	23		Toluene	4.48E-02	5.11E-06
COR1_Trucks	23	1330207	,	3.73E-02	4.26E-06
COR2_Trucks	24		Acetaldehyde	3.70E-02	4.22E-06
COR2_Trucks	24		Acrolein	1.72E-02	1.96E-06
COR2_Trucks	24		Benzene	3.26E-01	3.72E-05
COR2_Trucks	24		1,3-Butadiene	7.26E-02	8.29E-06
COR2_Trucks	24		Ethylbenzene	1.39E-01	1.58E-05
COR2_Trucks	24		Formaldehyde	2.09E-01	2.38E-05
COR2_Trucks	24		Hexane	2.11E-01	2.41E-05
COR2_Trucks	24		Methanol	1.58E-02	1.81E-06
COR2_Trucks	24	78933	Methyl Ethyl Ketor	2.64E-03	3.02E-07

COR2_Trucks	24	01203	Naphthalene	6.60E-03	7.54E-07
COR2_Trucks	24		Propylene	4.04E-01	4.61E-05
COR2_Trucks	24		Styrene	1.58E-02	1.81E-06
COR2_Trucks	24		Toluene	7.61E-01	8.68E-05
COR2_Trucks	24	1330207		6.34E-01	7.24E-05
PEN2_Trucks	25		Acetaldehyde	3.99E-02	4.55E-06
PEN2_Trucks	25		Acrolein	1.85E-02	2.11E-06
PEN2_Trucks	25		Benzene	3.52E-01	4.02E-05
PEN2_Trucks	25		1,3-Butadiene	7.83E-02	8.94E-06
PEN2_Trucks	25		Ethylbenzene	1.50E-01	1.71E-05
PEN2_Trucks	25		Formaldehyde	2.25E-01	2.57E-05
PEN2_Trucks	25		Hexane	2.28E-01	2.60E-05
PEN2_Trucks	25		Methanol	1.71E-02	1.95E-06
PEN2_Trucks	25		Methyl Ethyl Ketor	2.85E-03	3.25E-07
PEN2_Trucks	25		Naphthalene	7.12E-03	8.13E-07
PEN2_Trucks	25		Propylene	4.36E-01	4.98E-05
PEN2_Trucks	25		Styrene	1.71E-02	1.95E-06
PEN2_Trucks	25		Toluene	8.20E-01	9.37E-05
PEN2_Trucks	25	1330207	Xylenes	6.84E-01	7.80E-05
HY01_Trucks	26		Acetaldehyde	4.86E-02	5.55E-06
HY01_Trucks	26	107028	Acrolein	2.26E-02	2.57E-06
HY01_Trucks	26	71432	Benzene	4.29E-01	4.89E-05
HY01_Trucks	26		1,3-Butadiene	9.54E-02	1.09E-05
HY01_Trucks	26		Ethylbenzene	1.82E-01	2.08E-05
HY01_Trucks	26		Formaldehyde	2.74E-01	3.13E-05
HY01_Trucks	26		Hexane	2.78E-01	3.17E-05
HY01_Trucks	26		Methanol	2.08E-02	2.38E-06
HY01_Trucks	26		Methyl Ethyl Ketor	3.47E-03	3.96E-07
HY01_Trucks	26		Naphthalene	8.68E-03	9.90E-07
HY01_Trucks	26		Propylene	5.31E-01	6.06E-05
HY01_Trucks	26		Styrene	2.08E-02	
HY01_Trucks	26		Toluene	9.99E-01	1.14E-04
HY01_Trucks	26 27	1330207	J	8.33E-01 7.76E-02	9.51E-05
HY02_Trucks			Accetaldehyde		8.86E-06
HY02_Trucks HY02_Trucks	27 27		Acrolein Benzene	3.60E-02 6.84E-01	4.11E-06 7.81E-05
HY02_Trucks	27		1,3-Butadiene	1.52E-01	1.74E-05
HY02_Trucks	27		Ethylbenzene	2.91E-01	3.32E-05
HY02_Trucks	27		Formaldehyde	4.38E-01	5.00E-05
HY02_Trucks	27		Hexane	4.43E-01	5.06E-05
HY02_Trucks	27		Methanol	3.33E-02	3.80E-06
HY02_Trucks	27		Methyl Ethyl Ketor	5.54E-03	6.33E-07
HY02_Trucks	27		Naphthalene	1.39E-02	1.58E-06
HY02_Trucks	27		Propylene	8.48E-01	9.68E-05
HY02_Trucks	27		Styrene	3.33E-02	3.80E-06
HY02_Trucks	27		Toluene	1.60E+00	1.82E-04
HY02_Trucks	27	1330207		1.33E+00	1.52E-04
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PEN3_Trucks	28	75070	Acetaldehyde	3.92E-02	4.47E-06
PEN3_Trucks	28	107028	Acrolein	1.82E-02	2.08E-06
PEN3_Trucks	28	71432	Benzene	3.45E-01	3.94E-05
PEN3_Trucks	28	106990	1,3-Butadiene	7.69E-02	8.78E-06
PEN3_Trucks	28		Ethylbenzene	1.47E-01	1.68E-05
PEN3_Trucks	28		Formaldehyde	2.21E-01	2.52E-05
PEN3_Trucks	28		Hexane	2.24E-01	2.55E-05
PEN3_Trucks	28		Methanol	1.68E-02	1.92E-06
PEN3_Trucks	28			2.80E-03	3.19E-07
			Methyl Ethyl Ketor		
PEN3_Trucks	28		Naphthalene	6.99E-03	7.98E-07
PEN3_Trucks	28	115071	Propylene	4.28E-01	4.89E-05
PEN3_Trucks	28		Styrene	1.68E-02	1.92E-06
PEN3_Trucks	28		Toluene	8.06E-01	9.20E-05
PEN3_Trucks	28	1330207		6.71E-01	7.66E-05
PEN4_Trucks	29		Acetaldehyde	5.37E-02	6.13E-06
PEN4_Trucks	29		Acrolein	2.49E-02	2.84E-06
PEN4_Trucks	29		Benzene	4.73E-01	5.40E-05
PEN4_Trucks	29	106990	1,3-Butadiene	1.05E-01	1.20E-05
PEN4_Trucks	29	100414	Ethylbenzene	2.01E-01	2.30E-05
PEN4_Trucks	29	50000	Formaldehyde	3.03E-01	3.46E-05
PEN4_Trucks	29		Hexane	3.07E-01	3.50E-05
PEN4_Trucks	29		Methanol	2.30E-02	2.63E-06
PEN4_Trucks	29		Methyl Ethyl Ketor	3.83E-03	
PEN4_Trucks	29		Naphthalene	9.58E-03	1.09E-06
PEN4_Trucks	29		Propylene	5.86E-01	6.69E-05
PEN4_Trucks	29		Styrene	2.30E-02	2.63E-06
PEN4_Trucks	29		Toluene	1.10E+00	1.26E-04
PEN4_Trucks	29	1330207		9.20E-01	1.05E-04
WTX1_Trucks	30		Acetaldehyde	1.45E-02	1.66E-06
WTX1_Trucks	30		Acrolein	6.73E-03	
WTX1_Trucks	30		Benzene	1.28E-01	
	30				
WTX1_Trucks			1,3-Butadiene	2.85E-02	3.25E-06
WTX1_Trucks	30		Ethylbenzene	5.44E-02	6.21E-06
WTX1_Trucks	30		Formaldehyde	8.18E-02	9.34E-06
WTX1_Trucks	30		Hexane	8.29E-02	9.46E-06
WTX1_Trucks	30		Methanol	6.22E-03	7.10E-07
WTX1_Trucks	30		Methyl Ethyl Ketor	1.04E-03	1.18E-07
WTX1_Trucks	30		Naphthalene	2.59E-03	
WTX1_Trucks	30		Propylene	1.58E-01	1.81E-05
WTX1_Trucks	30		Styrene	6.22E-03	7.10E-07
WTX1_Trucks	30		Toluene	2.98E-01	3.41E-05
WTX1_Trucks	30	1330207	Xylenes	2.49E-01	2.84E-05
BEK1_Trucks	31	75070	Acetaldehyde	5.00E-02	5.71E-06
BEK1_Trucks	31		Acrolein	2.32E-02	2.65E-06
BEK1_Trucks	31	71432	Benzene	4.41E-01	5.04E-05
BEK1_Trucks	31		1,3-Butadiene	9.83E-02	1.12E-05
BEK1_Trucks	31		Ethylbenzene	1.88E-01	2.14E-05
			,		= 33

BEK1_Trucks	31	50000	Formaldehyde	2.82E-01	3.22E-05
BEK1_Trucks	31		Hexane	2.86E-01	3.26E-05
BEK1_Trucks	31	67561	Methanol	2.14E-02	2.45E-06
BEK1_Trucks	31		Methyl Ethyl Ketor	3.57E-03	4.08E-07
BEK1_Trucks	31		Naphthalene	8.93E-03	1.02E-06
BEK1_Trucks	31		Propylene	5.47E-01	6.24E-05
BEK1_Trucks	31		Styrene	2.14E-02	2.45E-06
BEK1_Trucks	31		Toluene	1.03E+00	1.17E-04
BEK1_Trucks	31	1330207		8.58E-01	9.79E-05
BEK2_Trucks	32		Acetaldehyde	5.00E-02	5.71E-06
BEK2_Trucks	32		Acrolein	2.32E-02	2.65E-06
BEK2_Trucks	32		Benzene	4.41E-01	5.04E-05
BEK2_Trucks	32		1,3-Butadiene	9.83E-02	1.12E-05
BEK2_Trucks	32			1.88E-01	2.14E-05
			Ethylbenzene		
BEK2_Trucks	32		Formaldehyde	2.82E-01	3.22E-05
BEK2_Trucks	32		Hexane	2.86E-01	3.26E-05
BEK2_Trucks	32		Methanol	2.14E-02	2.45E-06
BEK2_Trucks	32		Methyl Ethyl Ketor	3.57E-03	4.08E-07
BEK2_Trucks	32		Naphthalene	8.93E-03	1.02E-06
BEK2_Trucks	32		Propylene	5.47E-01	6.24E-05
BEK2_Trucks	32		Styrene	2.14E-02	2.45E-06
BEK2_Trucks	32		Toluene	1.03E+00	1.17E-04
BEK2_Trucks	32	1330207	,	8.58E-01	9.79E-05
HY04_Cars	19		Acetaldehyde	3.63E-03	4.14E-07
COR3_Trucks	33	107028	Acrolein	3.37E-03	3.84E-07
COR3_Trucks	33		Benzene	6.40E-02	7.30E-06
COR3_Trucks	33		1,3-Butadiene	1.42E-02	1.63E-06
COR3_Trucks	33	100414	Ethylbenzene	2.72E-02	3.10E-06
COR3_Trucks	33	50000	Formaldehyde	4.09E-02	4.67E-06
COR3_Trucks	33	110543	Hexane	4.14E-02	4.73E-06
COR3_Trucks	33	67561	Methanol	3.11E-03	3.55E-07
COR3_Trucks	33	78933	Methyl Ethyl Ketor	5.18E-04	5.91E-08
COR3_Trucks	33	91203	Naphthalene	1.29E-03	1.48E-07
COR3_Trucks	33	115071	Propylene	7.92E-02	9.05E-06
COR3_Trucks	33		Styrene	3.11E-03	3.55E-07
COR3_Trucks	33		Toluene	1.49E-01	1.70E-05
COR3_Trucks	33	1330207		1.24E-01	1.42E-05
BEK3_Trucks	34		Acetaldehyde	1.89E-02	2.15E-06
BEK3_Trucks	34		Acrolein	8.75E-03	9.99E-07
BEK3_Trucks	34		Benzene	1.66E-01	1.90E-05
BEK3_Trucks	34		1,3-Butadiene	3.70E-02	4.23E-06
BEK3_Trucks	34		Ethylbenzene	7.07E-02	8.07E-06
BEK3_Trucks	34		Formaldehyde	1.06E-01	1.21E-05
BEK3_Trucks	34		Hexane	1.08E-01	1.23E-05
BEK3_Trucks	34		Methanol	8.08E-03	9.22E-07
BEK3_Trucks	34		Methyl Ethyl Ketor	1.35E-03	1.54E-07
BEK3_Trucks	34		Naphthalene	3.37E-03	3.84E-07
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BEK3_Trucks	34		Propylene	2.06E-01	2.35E-05
BEK3_Trucks	34		Styrene	8.08E-03	9.22E-07
BEK3_Trucks	34		Toluene	3.88E-01	4.43E-05
BEK3_Trucks	34	1330207	Xylenes	3.23E-01	3.69E-05
BEK4_Trucks	35	75070	Acetaldehyde	7.25E-03	8.28E-07
BEK4_Trucks	35	107028	Acrolein	3.37E-03	3.84E-07
BEK4_Trucks	35	71432	Benzene	6.40E-02	7.30E-06
BEK4_Trucks	35		1,3-Butadiene	1.42E-02	1.63E-06
BEK4_Trucks	35	100414	Ethylbenzene	2.72E-02	3.10E-06
BEK4_Trucks	35	50000	Formaldehyde	4.09E-02	4.67E-06
BEK4_Trucks	35	110543	Hexane	4.14E-02	4.73E-06
BEK4_Trucks	35		Methanol	3.11E-03	3.55E-07
BEK4_Trucks	35		Methyl Ethyl Ketor	5.18E-04	5.91E-08
BEK4_Trucks	35		Naphthalene	1.29E-03	1.48E-07
BEK4_Trucks	35		Propylene	7.92E-02	9.05E-06
BEK4_Trucks	35		Styrene	3.11E-03	3.55E-07
BEK4_Trucks	35		Toluene	1.49E-01	1.70E-05
BEK4_Trucks	35	1330207	•	1.24E-01	1.42E-05
BEK5_Trucks	36		Acetaldehyde	1.16E-02	1.32E-06
BEK5_Trucks	36		Acrolein	5.39E-03	6.15E-07
BEK5_Trucks	36		Benzene	1.02E-01	1.17E-05
BEK5_Trucks	36		1,3-Butadiene	2.28E-02	2.60E-06
BEK5_Trucks	36		Ethylbenzene	4.35E-02	4.97E-06
BEK5_Trucks	36		Formaldehyde	6.55E-02	7.47E-06
BEK5_Trucks	36		Hexane	6.63E-02	7.57E-06
BEK5_Trucks	36		Methanol	4.97E-03	5.68E-07
BEK5_Trucks	36		Methyl Ethyl Ketor	8.29E-04	9.46E-08
BEK5_Trucks	36		Naphthalene	2.07E-03	2.37E-07
BEK5_Trucks	36		Propylene	1.27E-01	1.45E-05
BEK5_Trucks	36		Styrene	4.97E-03	5.68E-07
BEK5_Trucks	36		Toluene	2.39E-01	
BEK5_Trucks	36	1330207	•	1.99E-01	2.27E-05
CBN1_Trucks	37		Acetaldehyde	0.00E+00	0.00E+00
CBN1_Trucks	37		Acrolein	0.00E+00	0.00E+00
CBN1_Trucks	37		Benzene	0.00E+00	0.00E+00
CBN1_Trucks	37		1,3-Butadiene	0.00E+00	0.00E+00
CBN1_Trucks	37		Ethylbenzene	0.00E+00	0.00E+00
CBN1_Trucks	37		Formaldehyde	0.00E+00	0.00E+00
CBN1_Trucks	37		Hexane	0.00E+00	0.00E+00
CBN1_Trucks	37		Methanol	0.00E+00	0.00E+00
CBN1_Trucks	37		Methyl Ethyl Ketor	0.00E+00	0.00E+00
CBN1_Trucks	37		Naphthalene	0.00E+00	0.00E+00
CBN1_Trucks	37		Propylene	0.00E+00	0.00E+00
CBN1_Trucks	37		Styrene	0.00E+00	0.00E+00
CBN1_Trucks	37		Toluene	0.00E+00	0.00E+00
CBN1_Trucks	37	1330207	,	0.00E+00	0.00E+00
CBN2_Trucks	38	75070	Acetaldehyde	0.00E+00	0.00E+00

CDNO Trucks	20	107020	A I - !	0.005.00	0.005.00
CBN2_Trucks	38		Acrolein	0.00E+00	0.00E+00
CBN2_Trucks	38		Benzene	0.00E+00	0.00E+00
CBN2_Trucks	38		1,3-Butadiene	0.00E+00	0.00E+00
CBN2_Trucks	38		Ethylbenzene	0.00E+00	0.00E+00
CBN2_Trucks	38		Formaldehyde	0.00E+00	0.00E+00
CBN2_Trucks	38		Hexane	0.00E+00	0.00E+00
CBN2_Trucks	38		Methanol	0.00E+00	0.00E+00
CBN2_Trucks	38		Methyl Ethyl Ketor	0.00E+00	0.00E+00
CBN2_Trucks	38		Naphthalene	0.00E+00	0.00E+00
CBN2_Trucks	38		Propylene	0.00E+00	0.00E+00
CBN2_Trucks	38		Styrene	0.00E+00	0.00E+00
CBN2_Trucks	38	108883	Toluene	0.00E+00	0.00E+00
CBN2_Trucks	38	1330207	Xylenes	0.00E+00	0.00E+00
HY03_Trucks	39	75070	Acetaldehyde	4.28E-02	4.88E-06
HY03_Trucks	39		Acrolein	1.99E-02	2.27E-06
HY03_Trucks	39	71432	Benzene	3.77E-01	4.31E-05
HY03_Trucks	39		1,3-Butadiene	8.40E-02	9.59E-06
HY03_Trucks	39		Ethylbenzene	1.60E-01	1.83E-05
HY03_Trucks	39		Formaldehyde	2.41E-01	2.76E-05
HY03_Trucks	39		Hexane	2.44E-01	2.79E-05
HY03_Trucks	39		Methanol	1.83E-02	2.09E-06
HY03_Trucks	39		Methyl Ethyl Ketor	3.06E-03	3.49E-07
HY03_Trucks	39		Naphthalene	7.64E-03	8.72E-07
HY03_Trucks	39		Propylene	4.68E-01	5.34E-05
HY03_Trucks	39		Styrene	1.83E-02	2.09E-06
HY03_Trucks	39		Toluene	8.80E-01	1.00E-04
HY03_Trucks	39	1330207		7.33E-01	8.37E-05
HY04_Trucks	40		Acetaldehyde	3.63E-03	4.14E-07
HY04_Trucks	40		Acrolein	1.68E-03	1.92E-07
HY04_Trucks	40		Benzene	3.20E-02	3.65E-06
HY04_Trucks	40		1,3-Butadiene	7.12E-03	8.13E-07
HY04_Trucks	40		Ethylbenzene	1.36E-02	1.55E-06
HY04_Trucks	40		Formaldehyde	2.05E-02	2.34E-06
HY04_Trucks	40		Hexane	2.07E-02	2.37E-06
HY04_Trucks	40		Methanol	1.55E-03	1.77E-07
HY04_Trucks	40		Methyl Ethyl Ketor	2.59E-04	2.96E-08
HY04_Trucks	40		Naphthalene	6.47E-04	7.39E-08
HY04_Trucks	40		Propylene	3.96E-02	4.52E-06
HY04_Trucks HY04_Trucks	40		Styrene	3.96E-02 1.55E-03	4.52E-06 1.77E-07
HY04_Trucks	40		Toluene	7.46E-02	8.51E-06
HY04_Trucks	40	1330207	,	6.22E-02	7.10E-06
HY05_Trucks	41		Acetaldehyde	5.51E-02	6.29E-06
HY05_Trucks	41		Acrolein	2.56E-02	2.92E-06
HY05_Trucks	41		Benzene	4.86E-01	5.55E-05
HY05_Trucks	41		1,3-Butadiene	1.08E-01	1.24E-05
HY05_Trucks	41		Ethylbenzene	2.07E-01	2.36E-05
HY05_Trucks	41	50000	Formaldehyde	3.11E-01	3.55E-05

HY05_Trucks	41	110543	Hexane	3.15E-01	3.59E-05
HY05_Trucks	41	67561	Methanol	2.36E-02	2.70E-06
HY05_Trucks	41	78933	Methyl Ethyl Ketor	3.94E-03	4.49E-07
HY05_Trucks	41	91203	Naphthalene	9.84E-03	1.12E-06
HY05_Trucks	41	115071	Propylene	6.02E-01	6.88E-05
HY05_Trucks	41	100425	Styrene	2.36E-02	2.70E-06
HY05_Trucks	41	108883	Toluene	1.13E+00	1.29E-04
HY05_Trucks	41	1330207	Xylenes	9.45E-01	1.08E-04
HY06_Trucks	42	75070	Acetaldehyde	7.61E-02	8.69E-06
HY06_Trucks	42	107028	Acrolein	3.54E-02	4.04E-06
HY06_Trucks	42	71432	Benzene	6.72E-01	7.67E-05
HY06_Trucks	42	106990	1,3-Butadiene	1.50E-01	1.71E-05
HY06_Trucks	42	100414	Ethylbenzene	2.86E-01	3.26E-05
HY06_Trucks	42	50000	Formaldehyde	4.30E-01	4.90E-05
HY06_Trucks	42	110543	Hexane	4.35E-01	4.97E-05
HY06_Trucks	42	67561	Methanol	3.26E-02	3.72E-06
HY06_Trucks	42	78933	Methyl Ethyl Ketor	5.44E-03	6.21E-07
HY06_Trucks	42	91203	Naphthalene	1.36E-02	1.55E-06
HY06_Trucks	42	115071	Propylene	8.32E-01	9.50E-05
HY06_Trucks	42		Styrene	3.26E-02	3.72E-06
HY06_Trucks	42	108883	Toluene	1.57E+00	1.79E-04
HY06_Trucks	42	1330207	Xylenes	1.31E+00	1.49E-04

Unmitigated				(Full Build Ops	Offsite)
SRC ID	SRC No.	CAS	Pollutant	lb/yr	lb/hr
PEN1_Cars	1	9901	DieselExhPM	2.09E+00	
COR1_Cars	2		DieselExhPM	1.30E-02	0.00E+00
COR2_Cars	3		DieselExhPM	2.21E-01	0.00E+00
PEN2_Cars	4		DieselExhPM	2.38E-01	0.00E+00
HY01_Cars	5		DieselExhPM	2.90E-01	0.00E+00
HY02_Cars	6		DieselExhPM	4.63E-01	0.00E+00
PEN3_Cars	7		DieselExhPM	2.34E-01	0.00E+00
PEN4_Cars	8		DieselExhPM	3.21E-01	0.00E+00
WTX1_Cars	9		DieselExhPM	8.66E-02	0.00E+00
BEK1_Cars	10		DieselExhPM	2.99E-01	0.00E+00
BEK2_Cars	11		DieselExhPM	2.99E-01	0.00E+00
COR3_Cars	12		DieselExhPM	4.33E-02	0.00E+00
BEK3_Cars	13		DieselExhPM	1.13E-01	0.00E+00
BEK4_Cars	14		DieselExhPM	4.33E-02	0.00E+00
BEK5_Cars	15		DieselExhPM	6.93E-02	0.00E+00
CBN1_Cars	16		DieselExhPM	0.00E+00	0.00E+00
CBN2_Cars	17		DieselExhPM	0.00E+00	0.00E+00
HY03_Cars	18		DieselExhPM	2.56E-01	0.00E+00
HY04_Cars	19		DieselExhPM	2.17E-02	0.00E+00
HY05_Cars	20		DieselExhPM	3.29E-01	0.00E+00
HY06_Cars	21		DieselExhPM	4.55E-01	0.00E+00
PEN1_Trucks	22	9901	DieselExhPM	1.26E+01	0.00E+00
COR1_Trucks	23		DieselExhPM	7.84E-02	0.00E+00
COR2_Trucks	24	9901	DieselExhPM	1.33E+00	0.00E+00
PEN2_Trucks	25	9901	DieselExhPM	1.44E+00	0.00E+00
HY01_Trucks	26	9901	DieselExhPM	1.75E+00	0.00E+00
HY02_Trucks	27	9901	DieselExhPM	2.80E+00	0.00E+00
PEN3_Trucks	28	9901	DieselExhPM	1.41E+00	0.00E+00
PEN4_Trucks	29	9901	DieselExhPM	1.93E+00	0.00E+00
WTX1_Trucks	30	9901	DieselExhPM	5.22E-01	0.00E+00
BEK1_Trucks	31	9901	DieselExhPM	1.80E+00	0.00E+00
BEK2_Trucks	32	9901	DieselExhPM	1.80E+00	0.00E+00
COR3_Trucks	33	9901	DieselExhPM	2.61E-01	0.00E+00
BEK3_Trucks	34	9901	DieselExhPM	6.79E-01	0.00E+00
BEK4_Trucks	35	9901	DieselExhPM	2.61E-01	0.00E+00
BEK5_Trucks	36	9901	DieselExhPM	4.18E-01	0.00E+00
CBN1_Trucks	37	9901	DieselExhPM	0.00E+00	0.00E+00
CBN2_Trucks	38	9901	DieselExhPM	0.00E+00	0.00E+00
HY03_Trucks	39	9901	DieselExhPM	1.54E+00	0.00E+00
HY04_Trucks	40	9901	DieselExhPM	1.31E-01	0.00E+00
HY05_Trucks	41	9901	DieselExhPM	1.99E+00	0.00E+00
HY06_Trucks	42	9901	DieselExhPM	2.74E+00	0.00E+00
PEN1_Cars	1	75070	Acetaldehyde	1.71E-01	1.95E-05
PEN1_Cars	1	107028	Acrolein	7.94E-02	9.07E-06

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PEN1_Cars	1		Benzene	1.51E+00	1.72E-04
PEN1_Cars	1		1,3-Butadiene	3.36E-01	3.84E-05
PEN1_Cars	1		Ethylbenzene	6.42E-01	7.32E-05
PEN1_Cars	1		Formaldehyde	9.65E-01	1.10E-04
PEN1_Cars	1		Hexane	9.78E-01	1.12E-04
PEN1_Cars	1		Methanol	7.33E-02	8.37E-06
PEN1_Cars	1		Methyl Ethyl Ketone	1.22E-02	1.40E-06
PEN1_Cars	1		Naphthalene	3.06E-02	3.49E-06
PEN1_Cars	1		Propylene	1.87E+00	2.13E-04
PEN1_Cars	1		Styrene	7.33E-02	8.37E-06
PEN1_Cars	1		Toluene	3.52E+00	4.02E-04
PEN1_Cars	1	1330207		2.93E+00	3.35E-04
COR1_Cars	2		Acetaldehyde	1.06E-03	1.21E-07
COR1_Cars	2		Acrolein	4.93E-04	5.63E-08
COR1_Cars	2		Benzene	9.37E-03	1.07E-06
COR1_Cars	2		1,3-Butadiene	2.09E-03	2.38E-07
COR1_Cars	2		Ethylbenzene	3.99E-03	4.55E-07
COR1_Cars	2		Formaldehyde	6.00E-03	6.85E-07
COR1_Cars	2		Hexane	6.07E-03	6.93E-07
COR1_Cars	2		Methanol	4.55E-04	5.20E-08
COR1_Cars	2		Methyl Ethyl Ketone	7.59E-05	8.67E-09
COR1_Cars	2		Naphthalene	1.90E-04	2.17E-08
COR1_Cars	2		Propylene	1.16E-02	1.33E-06
COR1_Cars	2		Styrene	4.55E-04	5.20E-08
COR1_Cars	2		Toluene	2.19E-02	2.50E-06
COR1_Cars	2	1330207		1.82E-02	2.08E-06
COR2_Cars	3		Acetaldehyde	1.81E-02	2.06E-06
COR2_Cars	3		Acrolein	8.39E-03	9.58E-07
COR2_Cars	3		Benzene	1.59E-01	1.82E-05
COR2_Cars	3		1,3-Butadiene	3.55E-02	4.05E-06
COR2_Cars	3		Ethylbenzene	6.77E-02	7.73E-06
COR2_Cars	3		Formaldehyde	1.02E-01	1.16E-05
COR2_Cars	3		Hexane	1.03E-01	1.18E-05
COR2_Cars	3		Methanol	7.74E-03	8.84E-07
COR2_Cars	3		Methyl Ethyl Ketone	1.29E-03	1.47E-07
COR2_Cars	3		Naphthalene	3.23E-03	3.68E-07
COR2_Cars	3		Propylene	1.97E-01	2.25E-05
COR2_Cars	3		Styrene	7.74E-03	8.84E-07
COR2_Cars	3		Toluene	3.72E-01	4.24E-05
COR2_Cars	3	1330207	,	3.10E-01	3.54E-05
PEN2_Cars	4		Acetaldehyde	1.95E-02	2.22E-06
PEN2_Cars	4		Acrolein	9.05E-03	1.03E-06
PEN2_Cars	4		Benzene	1.72E-01	1.96E-05
PEN2_Cars	4		1,3-Butadiene	3.83E-02	4.37E-06
PEN2_Cars	4		Ethylbenzene	7.31E-02	8.34E-06
PEN2_Cars	4		Formaldehyde	1.10E-01	1.26E-05
PEN2_Cars	4	110543	Hexane	1.11E-01	1.27E-05

PEN2_Cars	4	67561	Methanol	8.35E-03	9.53E-07
PEN2_Cars	4		Methyl Ethyl Ketone	1.39E-03	1.59E-07
PEN2_Cars	4		Naphthalene	3.48E-03	3.97E-07
PEN2_Cars	4		Propylene	2.13E-01	2.43E-05
PEN2_Cars	4		Styrene	8.35E-03	9.53E-07
PEN2_Cars	4		Toluene	4.01E-01	4.58E-05
PEN2_Cars	4	1330207		3.34E-01	3.81E-05
HY01_Cars	5		Acetaldehyde	2.37E-02	2.71E-06
HY01_Cars	5	107028	Acrolein	1.10E-02	1.26E-06
HY01_Cars	5		Benzene	2.09E-01	2.39E-05
HY01_Cars	5		1,3-Butadiene	4.66E-02	5.32E-06
HY01_Cars	5		Ethylbenzene	8.90E-02	1.02E-05
HY01_Cars	5		Formaldehyde	1.34E-01	1.53E-05
HY01_Cars	5		Hexane	1.36E-01	1.55E-05
HY01_Cars	5		Methanol	1.02E-02	1.16E-06
HY01_Cars	5		Methyl Ethyl Ketone	1.70E-03	1.94E-07
HY01_Cars	5		Naphthalene	4.24E-03	4.84E-07
HY01_Cars	5		Propylene	2.59E-01	2.96E-05
HY01_Cars	5		Styrene	1.02E-02	1.16E-06
HY01_Cars	5 5		Toluene	4.88E-01	5.57E-05
HY01_Cars HY02_Cars	6	1330207		4.07E-01 3.79E-02	4.64E-05 4.33E-06
HY02_Cars	6		Acetaldehyde Acrolein	1.76E-02	4.33E-06 2.01E-06
HY02_Cars	6		Benzene	3.34E-01	3.82E-05
HY02_Cars	6		1,3-Butadiene	7.45E-02	8.50E-06
HY02_Cars	6		Ethylbenzene	1.42E-01	1.62E-05
HY02_Cars	6		Formaldehyde	2.14E-01	2.44E-05
HY02_Cars	6		Hexane	2.17E-01	2.47E-05
HY02_Cars	6		Methanol	1.62E-02	1.85E-06
HY02_Cars	6	78933	Methyl Ethyl Ketone	2.71E-03	3.09E-07
HY02_Cars	6	91203	Naphthalene	6.77E-03	7.73E-07
HY02_Cars	6	115071	Propylene	4.14E-01	4.73E-05
HY02_Cars	6		Styrene	1.62E-02	1.85E-06
HY02_Cars	6		Toluene	7.80E-01	8.90E-05
HY02_Cars	6	1330207		6.50E-01	7.42E-05
PEN3_Cars	7		Acetaldehyde	1.91E-02	2.18E-06
PEN3_Cars	7		Acrolein	8.88E-03	1.01E-06
PEN3_Cars	7		Benzene	1.69E-01	1.93E-05
PEN3_Cars	7		1,3-Butadiene	3.76E-02	4.29E-06
PEN3_Cars	7		Ethylbenzene	7.17E-02	8.19E-06
PEN3_Cars	7		Formaldehyde	1.08E-01	1.23E-05
PEN3_Cars	7		Hexane Methanol	1.09E-01	1.25E-05
PEN3_Cars PEN3_Cars	7		Methyl Ethyl Kotono	8.20E-03 1.37E-03	9.36E-07
	7		Methyl Ethyl Ketone Naphthalene	3.42E-03	1.56E-07
PEN3_Cars PEN3_Cars	7		Propylene	2.09E-01	3.90E-07 2.39E-05
PEN3_Cars	7		Styrene	8.20E-03	9.36E-07

PEN3_Cars	7	108883	Toluene	3.94E-01	4.49E-05
PEN3_Cars	7	1330207		3.28E-01	3.74E-05
PEN4_Cars	8		Acetaldehyde	2.62E-02	2.99E-06
PEN4_Cars	8		Acrolein	1.22E-02	1.39E-06
PEN4_Cars	8		Benzene	2.31E-01	2.64E-05
PEN4_Cars	8		1,3-Butadiene	5.15E-02	5.88E-06
PEN4_Cars	8		Ethylbenzene	9.83E-02	1.12E-05
PEN4_Cars	8		Formaldehyde	1.48E-01	1.69E-05
PEN4_Cars	8		Hexane	1.50E-01	1.71E-05
PEN4_Cars	8		Methanol	1.12E-02	1.28E-06
PEN4_Cars	8		Methyl Ethyl Ketone	1.87E-03	2.14E-07
PEN4_Cars	8		Naphthalene	4.68E-03	5.34E-07
PEN4_Cars	8		Propylene	2.86E-01	3.27E-05
PEN4_Cars	8		Styrene	1.12E-02	1.28E-06
PEN4_Cars	8		Toluene	5.39E-01	6.16E-05
PEN4_Cars	8	1330207		4.49E-01	5.13E-05
WTX1_Cars	9		Acetaldehyde	7.08E-03	8.09E-07
WTX1_Cars	9		Acrolein	3.29E-03	3.75E-07
WTX1_Cars	9		Benzene	6.25E-02	7.13E-06
WTX1_Cars	9		1,3-Butadiene	1.39E-02	1.59E-06
WTX1_Cars	9		Ethylbenzene	2.66E-02	3.03E-06
WTX1_Cars	9		Formaldehyde	4.00E-02	4.56E-06
WTX1_Cars	9		Hexane	4.05E-02	4.62E-06
WTX1_Cars	9		Methanol	3.04E-03	3.47E-07
WTX1_Cars	9		Methyl Ethyl Ketone	5.06E-04	5.78E-08
WTX1_Cars	9		Naphthalene	1.27E-03	1.44E-07
WTX1_Cars	9		Propylene	7.74E-02	8.84E-06
WTX1_Cars	9		Styrene	3.04E-03	3.47E-07
WTX1_Cars	9		Toluene	1.46E-01	1.66E-05
WTX1_Cars	9	1330207	Xylenes	1.21E-01	1.39E-05
BEK1_Cars	10	75070	Acetaldehyde	2.44E-02	2.79E-06
BEK1_Cars	10		Acrolein	1.13E-02	1.30E-06
BEK1_Cars	10	71432	Benzene	2.16E-01	2.46E-05
BEK1_Cars	10	106990	1,3-Butadiene	4.80E-02	5.48E-06
BEK1_Cars	10		Ethylbenzene	9.17E-02	1.05E-05
BEK1_Cars	10	50000	Formaldehyde	1.38E-01	1.57E-05
BEK1_Cars	10	110543	Hexane	1.40E-01	1.59E-05
BEK1_Cars	10		Methanol	1.05E-02	1.20E-06
BEK1_Cars	10	78933	Methyl Ethyl Ketone	1.75E-03	1.99E-07
BEK1_Cars	10		Naphthalene	4.36E-03	4.98E-07
BEK1_Cars	10		Propylene	2.67E-01	3.05E-05
BEK1_Cars	10		Styrene	1.05E-02	1.20E-06
BEK1_Cars	10		Toluene	5.03E-01	5.74E-05
BEK1_Cars	10	1330207		4.19E-01	4.78E-05
BEK2_Cars	11		Acetaldehyde	2.44E-02	2.79E-06
BEK2_Cars	11		Acrolein	1.13E-02	1.30E-06
BEK2_Cars	11	71432	Benzene	2.16E-01	2.46E-05

BEK2_Cars	11	106000	1,3-Butadiene	4.80E-02	5.48E-06
BEK2_Cars	11		Ethylbenzene	9.17E-02	1.05E-05
BEK2_Cars	11		Formaldehyde	1.38E-01	1.57E-05
BEK2_Cars	11		Hexane	1.40E-01	1.59E-05
BEK2_Cars	11		Methanol	1.05E-02	1.20E-06
BEK2_Cars	11		Methyl Ethyl Ketone	1.75E-03	1.99E-07
BEK2_Cars	11		Naphthalene	4.36E-03	4.98E-07
BEK2_Cars	11		Propylene	2.67E-01	3.05E-05
BEK2_Cars	11		Styrene	1.05E-02	1.20E-06
BEK2_Cars	11		Toluene	5.03E-01	5.74E-05
BEK2_Cars	11	1330207		4.19E-01	4.78E-05
COR3_Cars	12		Acetaldehyde	3.54E-03	4.04E-07
COR3_Cars	12		Acrolein	1.64E-03	1.88E-07
COR3_Cars	12		Benzene	3.12E-02	3.57E-06
COR3_Cars	12		1,3-Butadiene	6.96E-03	7.94E-07
COR3_Cars	12		Ethylbenzene	1.33E-02	1.52E-06
COR3_Cars	12		Formaldehyde	2.00E-02	2.28E-06
COR3_Cars	12		Hexane	2.02E-02	2.31E-06
COR3_Cars	12		Methanol	1.52E-03	1.73E-07
COR3_Cars	12	78933	Methyl Ethyl Ketone	2.53E-04	2.89E-08
COR3_Cars	12		Naphthalene	6.33E-04	7.22E-08
COR3_Cars	12		Propylene	3.87E-02	4.42E-06
COR3_Cars	12		Styrene	1.52E-03	1.73E-07
COR3_Cars	12	108883	Toluene	7.29E-02	8.32E-06
COR3_Cars	12	1330207	Xylenes	6.07E-02	6.93E-06
BEK3_Cars	13	75070	Acetaldehyde	9.21E-03	1.05E-06
BEK3_Cars	13	107028	Acrolein	4.28E-03	4.88E-07
BEK3_Cars	13		Benzene	8.12E-02	9.27E-06
BEK3_Cars	13		1,3-Butadiene	1.81E-02	2.07E-06
BEK3_Cars	13		Ethylbenzene	3.45E-02	3.94E-06
BEK3_Cars	13		Formaldehyde	5.20E-02	5.93E-06
BEK3_Cars	13		Hexane	5.26E-02	6.01E-06
BEK3_Cars	13		Methanol	3.95E-03	4.51E-07
BEK3_Cars	13		Methyl Ethyl Ketone	6.58E-04	7.51E-08
BEK3_Cars	13		Naphthalene	1.64E-03	1.88E-07
BEK3_Cars	13		Propylene	1.01E-01	1.15E-05
BEK3_Cars	13		Styrene	3.95E-03	4.51E-07
BEK3_Cars	13		Toluene	1.89E-01	2.16E-05
BEK3_Cars	13	1330207		1.58E-01	1.80E-05
BEK4_Cars	14		Acetaldehyde	3.54E-03	4.04E-07
BEK4_Cars	14		Acrolein	1.64E-03	1.88E-07
BEK4_Cars	14		Benzene	3.12E-02	3.57E-06
BEK4_Cars	14 14		1,3-Butadiene	6.96E-03 1.33E-02	7.94E-07
BEK4_Cars	14		Ethylbenzene Formaldehyde		1.52E-06
BEK4_Cars			Formaldehyde	2.00E-02 2.02E-02	2.28E-06
BEK4_Cars	14		Hexane Methanel		2.31E-06
BEK4_Cars	14	0/561	Methanol	1.52E-03	1.73E-07

BEK4_Cars 14 91203 Naphthalene 6.33E-04 7.22E- BEK4_Cars 14 115071 Propylene 3.87E-02 4.42E- BEK4_Cars 14 100425 Styrene 1.52E-03 1.73E- BEK4_Cars 14 108883 Toluene 7.29E-02 8.32E- BEK5_Cars 15 75070 Acetaldehyde 5.67E-03 6.47E- BEK5_Cars 15 107028 Acrolein 2.638-03 3.00E- BEK5_Cars 15 107028 Acrolein 2.636-03 3.00E- BEK5_Cars 15 106990 1.3-Butadiene 1.11E-02 1.27E- BEK5_Cars 15 100414 Ethylbenzene 2.13E-02 2.35E- BEK5_Cars 15 100414 Ethylbenzene 2.13E-02 2.35E- BEK5_Cars 15 100414 Ethylbenzene 2.13E-02 2.35E- BEK5_Cars 15 10561 Methanol 2.43E-03 2.77E- BEK5_Cars </th <th>DEI/A Como</th> <th>1.4</th> <th>70022</th> <th>NA-A-A-A-A-A-A-A-A-A-A-A-A-A-A-A-A-A-A-</th> <th>2 525 04</th> <th>2.005.00</th>	DEI/A Como	1.4	70022	NA-A-A-A-A-A-A-A-A-A-A-A-A-A-A-A-A-A-A-	2 525 04	2.005.00
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CBN2_Cars 17 115071 Propylene 0.00E+00 0.00E+						
	CBN2_Cars	17			0.00E+00	

CBN2_Cars	17	1330207	Vylonos	0.00E+00	0.00E+00
HY03_Cars	18		Acetaldehyde	2.09E-02	2.39E-06
HY03_Cars	18		Acrolein	9.70E-03	1.11E-06
HY03_Cars	18		Benzene	1.84E-01	2.10E-05
HY03_Cars	18		1,3-Butadiene	4.11E-02	4.69E-06
HY03_Cars	18		Ethylbenzene	7.84E-02	8.95E-06
HY03_Cars	18		Formaldehyde	1.18E-01	1.35E-05
HY03_Cars	18		Hexane	1.19E-01	1.36E-05
HY03_Cars	18		Methanol	8.96E-03	1.02E-06
HY03_Cars	18		Methyl Ethyl Ketone	1.49E-03	1.70E-07
HY03_Cars	18		Naphthalene	3.73E-03	4.26E-07
HY03_Cars	18		Propylene	2.28E-01	2.61E-05
HY03_Cars	18		Styrene	8.96E-03	1.02E-06
HY03_Cars	18		Toluene	4.30E-01	4.91E-05
HY03_Cars	18	1330207		3.58E-01	4.09E-05
HY04_Cars	19		Acetaldehyde	1.77E-03	2.02E-07
HY04_Cars	19		Acrolein	8.22E-04	9.39E-08
HY04_Cars	19	71432	Benzene	1.56E-02	1.78E-06
HY04_Cars	19		1,3-Butadiene	3.48E-03	3.97E-07
HY04_Cars	19		Ethylbenzene	6.64E-03	7.58E-07
HY04_Cars	19		Formaldehyde	9.99E-03	1.14E-06
HY04_Cars	19		Hexane	1.01E-02	1.16E-06
HY04_Cars	19	67561	Methanol	7.59E-04	8.67E-08
HY04_Cars	19	78933	Methyl Ethyl Ketone	1.27E-04	1.44E-08
HY04_Cars	19		Naphthalene	3.16E-04	3.61E-08
HY04_Cars	19	115071	Propylene	1.94E-02	2.21E-06
HY04_Cars	19		Styrene	7.59E-04	8.67E-08
HY04_Cars	19		Toluene	3.64E-02	4.16E-06
HY04_Cars	19	1330207		3.04E-02	3.47E-06
HY05_Cars	20		Acetaldehyde	2.69E-02	3.07E-06
HY05_Cars	20		Acrolein	1.25E-02	1.43E-06
HY05_Cars	20		Benzene	2.37E-01	2.71E-05
HY05_Cars	20		1,3-Butadiene	5.29E-02	6.04E-06
HY05_Cars	20		Ethylbenzene	1.01E-01	1.15E-05
HY05_Cars	20		Formaldehyde	1.52E-01	1.73E-05
HY05_Cars	20		Hexane Methonol	1.54E-01	1.76E-05
HY05_Cars	20		Methanol	1.15E-02	1.32E-06
HY05_Cars HY05_Cars	20 20		Methyl Ethyl Ketone	1.92E-03	2.20E-07
HY05_Cars HY05_Cars	20		Naphthalene Propylene	4.81E-03 2.94E-01	5.49E-07 3.36E-05
HY05_Cars	20		Styrene	2.94E-01 1.15E-02	3.36E-05 1.32E-06
HY05_Cars	20		Toluene	5.54E-01	6.32E-05
HY05_Cars	20	1330207		4.62E-01	5.27E-05
HY06_Cars	21		Acetaldehyde	3.72E-02	4.25E-06
HY06_Cars	21		Acrolein	1.73E-02	1.97E-06
HY06_Cars	21		Benzene	3.28E-01	3.75E-05
HY06_Cars	21		1,3-Butadiene	7.31E-02	8.34E-06
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HY06_Cars	21	100/11/	Ethylbenzene	1.39E-01	1.59E-05
HY06_Cars	21	50000	Formaldehyde	2.10E-01	
HY06_Cars	21		Hexane	2.13E-01	
HY06_Cars	21		Methanol	1.59E-02	
HY06_Cars	21		Methyl Ethyl Ketone	2.66E-03	
HY06_Cars	21		Naphthalene	6.64E-03	
HY06_Cars	21		Propylene	4.06E-01	
HY06_Cars	21		Styrene	1.59E-02	
HY06_Cars	21		Toluene	7.65E-01	
HY06_Cars	21	1330207		6.38E-01	
PEN1_Trucks	22		Acetaldehyde	5.17E-01	
PEN1_Trucks	22		Acrolein	2.40E-01	
PEN1_Trucks	22		Benzene	4.56E+00	
PEN1_Trucks	22		1,3-Butadiene	1.02E+00	
PEN1_Trucks	22		Ethylbenzene	1.94E+00	
PEN1_Trucks	22		Formaldehyde	2.92E+00	
PEN1_Trucks	22		Hexane	2.95E+00	
PEN1_Trucks	22		Methanol	2.22E-01	
PEN1_Trucks	22		Methyl Ethyl Ketone	3.69E-02	
PEN1_Trucks	22		Naphthalene	9.23E-02	
PEN1_Trucks	22		Propylene	5.65E+00	
PEN1_Trucks	22		Styrene	2.22E-01	
PEN1_Trucks	22		Toluene	1.06E+01	
PEN1_Trucks	22	1330207	Xylenes	8.86E+00	1.01E-03
COR1_Trucks	23		Acetaldehyde	3.21E-03	3.67E-07
COR1_Trucks	23		Acrolein	1.49E-03	1.70E-07
COR1_Trucks	23	71432	Benzene	2.83E-02	3.23E-06
COR1_Trucks	23	106990	1,3-Butadiene	6.31E-03	7.20E-07
COR1_Trucks	23	100414	Ethylbenzene	1.20E-02	1.37E-06
COR1_Trucks	23	50000	Formaldehyde	1.81E-02	2.07E-06
COR1_Trucks	23	110543	Hexane	1.84E-02	2.09E-06
COR1_Trucks	23		Methanol	1.38E-03	1.57E-07
COR1_Trucks	23		Methyl Ethyl Ketone	2.29E-04	
COR1_Trucks	23		Naphthalene	5.73E-04	
COR1_Trucks	23		Propylene	3.51E-02	
COR1_Trucks	23		Styrene	1.38E-03	
COR1_Trucks	23		Toluene	6.61E-02	
COR1_Trucks	23	1330207		5.51E-02	
COR2_Trucks	24		Acetaldehyde	5.46E-02	
COR2_Trucks	24		Acrolein	2.53E-02	
COR2_Trucks	24		Benzene	4.82E-01	
COR2_Trucks	24		1,3-Butadiene	1.07E-01	
COR2_Trucks	24		Ethylbenzene	2.05E-01	
COR2_Trucks	24		Formaldehyde	3.08E-01	
COR2_Trucks	24		Hexane	3.12E-01	
COR2_Trucks	24		Methanol	2.34E-02	
COR2_Trucks	24	78933	Methyl Ethyl Ketone	3.90E-03	4.45E-07

COR2_Trucks	24		Naphthalene	9.75E-03	1.11E-06
COR2_Trucks	24	115071	Propylene	5.97E-01	6.81E-05
COR2_Trucks	24		Styrene	2.34E-02	2.67E-06
COR2_Trucks	24		Toluene	1.12E+00	1.28E-04
COR2_Trucks	24	1330207	Xvlenes	9.36E-01	1.07E-04
PEN2_Trucks	25		Acetaldehyde	5.89E-02	
PEN2_Trucks	25		Acrolein	2.73E-02	3.12E-06
PEN2_Trucks	25		Benzene	5.19E-01	5.93E-05
PEN2_Trucks	25		1,3-Butadiene	1.16E-01	1.32E-05
PEN2_Trucks	25		Ethylbenzene	2.21E-01	2.52E-05
PEN2_Trucks	25		Formaldehyde	3.32E-01	3.79E-05
PEN2_Trucks	25		Hexane	3.36E-01	3.84E-05
PEN2_Trucks	25		Methanol	2.52E-02	
PEN2_Trucks	25		Methyl Ethyl Ketone	4.21E-03	
PEN2_Trucks	25		Naphthalene	1.05E-02	
PEN2_Trucks	25		Propylene	6.43E-01	7.35E-05
PEN2_Trucks	25		Styrene	2.52E-02	2.88E-06
PEN2_Trucks	25		Toluene	1.21E+00	1.38E-04
PEN2_Trucks	25	1330207		1.01E+00	1.36L-04 1.15E-04
HY01_Trucks	26		Acetaldehyde	7.17E-02	
HY01_Trucks	26		Acrolein	3.33E-02	
HY01_Trucks	26		Benzene	6.33E-01	7.22E-05
	26				
HY01_Trucks			1,3-Butadiene	1.41E-01	1.61E-05
HY01_Trucks	26 26		Ethylbenzene	2.69E-01	3.07E-05
HY01_Trucks			Formaldehyde Hexane	4.05E-01	4.62E-05
HY01_Trucks	26 26			4.10E-01	4.68E-05
HY01_Trucks			Methanol	3.07E-02	3.51E-06
HY01_Trucks	26		Methyl Ethyl Ketone	5.12E-03	
HY01_Trucks	26		Naphthalene	1.28E-02	1.46E-06
HY01_Trucks	26	115071	Propylene	7.84E-01	8.95E-05
HY01_Trucks	26	100425	Styrene	3.07E-02	
HY01_Trucks	26		Toluene	1.48E+00	
HY01_Trucks	26	1330207	<i>y</i>	1.23E+00	1.40E-04
HY02_Trucks	27		Acetaldehyde	1.15E-01	1.31E-05
HY02_Trucks	27		Acrolein	5.32E-02	
HY02_Trucks	27		Benzene	1.01E+00	
HY02_Trucks	27		1,3-Butadiene	2.25E-01	2.57E-05
HY02_Trucks	27		Ethylbenzene	4.30E-01	4.90E-05
HY02_Trucks	27		Formaldehyde	6.46E-01	7.38E-05
HY02_Trucks	27		Hexane	6.55E-01	7.47E-05
HY02_Trucks	27		Methanol	4.91E-02	
HY02_Trucks	27		Methyl Ethyl Ketone	8.18E-03	
HY02_Trucks	27		Naphthalene	2.05E-02	2.33E-06
HY02_Trucks	27		Propylene	1.25E+00	1.43E-04
HY02_Trucks	27		Styrene	4.91E-02	
HY02_Trucks	27		Toluene	2.36E+00	
HY02_Trucks	27	1330207	Xylenes	1.96E+00	2.24E-04

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PEN3_Trucks	28		Acetaldehyde	5.78E-02	
PEN3_Trucks	28		Acrolein	2.68E-02	
PEN3_Trucks	28		Benzene	5.10E-01	
PEN3_Trucks	28		1,3-Butadiene	1.14E-01	1.30E-05
PEN3_Trucks	28	100414	Ethylbenzene	2.17E-01	2.47E-05
PEN3_Trucks	28	50000	Formaldehyde	3.26E-01	3.72E-05
PEN3_Trucks	28	110543	Hexane	3.30E-01	3.77E-05
PEN3_Trucks	28	67561	Methanol	2.48E-02	2.83E-06
PEN3_Trucks	28	78933	Methyl Ethyl Ketone	4.13E-03	4.71E-07
PEN3_Trucks	28		Naphthalene	1.03E-02	1.18E-06
PEN3_Trucks	28		Propylene	6.32E-01	7.21E-05
PEN3_Trucks	28	100425	Styrene	2.48E-02	2.83E-06
PEN3_Trucks	28		Toluene	1.19E+00	1.36E-04
PEN3_Trucks	28	1330207		9.91E-01	
PEN4_Trucks	29		Acetaldehyde	7.92E-02	
PEN4_Trucks	29		Acrolein	3.68E-02	
PEN4_Trucks	29		Benzene	6.99E-01	
PEN4_Trucks	29		1,3-Butadiene	1.56E-01	
PEN4_Trucks	29		Ethylbenzene	2.97E-01	
PEN4_Trucks	29		Formaldehyde	4.47E-01	
PEN4_Trucks	29		Hexane	4.53E-01	
PEN4_Trucks	29		Methanol	3.39E-02	
PEN4_Trucks	29		Methyl Ethyl Ketone	5.66E-03	
PEN4_Trucks	29		Naphthalene	1.41E-02	
PEN4_Trucks	29		Propylene	8.66E-01	
PEN4_Trucks	29		Styrene	3.39E-02	
PEN4_Trucks	29		Toluene	1.63E+00	
PEN4_Trucks	29	1330207		1.36E+00	
WTX1_Trucks	30		Acetaldehyde	2.14E-02	
WTX1_Trucks	30		Acrolein	9.94E-03	
WTX1_Trucks	30		Benzene	1.89E-01	
WTX1_Trucks	30		1,3-Butadiene	4.21E-02	
WTX1_Trucks	30		Ethylbenzene	8.03E-02	
WTX1_Trucks	30		Formaldehyde	1.21E-01	
WTX1_Trucks	30		Hexane	1.22E-01	
WTX1_Trucks	30		Methanol	9.18E-03	
WTX1_Trucks	30		Methyl Ethyl Ketone	1.53E-03	
WTX1_Trucks	30		Naphthalene	3.82E-03	
WTX1_Trucks	30		Propylene	2.34E-01	
WTX1_Trucks	30		Styrene	9.18E-03	
WTX1_Trucks	30		Toluene	4.40E-01	
WTX1_Trucks	30	1330207		3.67E-01	
	31				
BEK1_Trucks			Accetaldehyde	7.39E-02	
BEK1_Trucks	31		Acrolein	3.43E-02	
BEK1_Trucks	31		Benzene	6.52E-01	
BEK1_Trucks	31		1,3-Butadiene	1.45E-01	
BEK1_Trucks	31	100414	Ethylbenzene	2.77E-01	3.16E-05

BEK1_Trucks	31	50000	Formaldehyde	4.17E-01	4.76E-05
BEK1_Trucks	31		Hexane	4.22E-01	
BEK1_Trucks	31	67561	Methanol	3.17E-02	3.61E-06
BEK1_Trucks	31	78933	Methyl Ethyl Ketone	5.28E-03	6.02E-07
BEK1_Trucks	31		Naphthalene	1.32E-02	1.51E-06
BEK1_Trucks	31	115071	Propylene	8.07E-01	9.21E-05
BEK1_Trucks	31	100425	Styrene	3.17E-02	3.61E-06
BEK1_Trucks	31		Toluene	1.52E+00	1.73E-04
BEK1_Trucks	31	1330207	Xylenes	1.27E+00	1.45E-04
BEK2_Trucks	32		Acetaldehyde	7.39E-02	
BEK2_Trucks	32		Acrolein	3.43E-02	
BEK2_Trucks	32		Benzene	6.52E-01	
BEK2_Trucks	32		1,3-Butadiene	1.45E-01	1.66E-05
BEK2_Trucks	32		Ethylbenzene	2.77E-01	3.16E-05
BEK2_Trucks	32		Formaldehyde	4.17E-01	4.76E-05
BEK2_Trucks	32		Hexane	4.22E-01	
BEK2_Trucks	32		Methanol	3.17E-02	
BEK2_Trucks	32	78933	Methyl Ethyl Ketone	5.28E-03	
BEK2_Trucks	32		Naphthalene	1.32E-02	
BEK2_Trucks	32		Propylene	8.07E-01	9.21E-05
BEK2_Trucks	32		Styrene	3.17E-02	3.61E-06
BEK2_Trucks	32		Toluene	1.52E+00	
BEK2_Trucks	32	1330207		1.27E+00	
HY04_Cars	19		Acetaldehyde	5.35E-03	6.11E-07
COR3_Trucks	33		Acrolein	4.97E-03	
COR3_Trucks	33		Benzene	9.44E-02	
COR3_Trucks	33		1,3-Butadiene	2.10E-02	
COR3_Trucks	33		Ethylbenzene	4.01E-02	
COR3_Trucks	33		Formaldehyde	6.04E-02	
COR3_Trucks	33		Hexane	6.12E-02	
COR3_Trucks	33		Methanol	4.59E-03	
COR3_Trucks	33		Methyl Ethyl Ketone	7.65E-04	
COR3_Trucks	33		Naphthalene	1.91E-03	
COR3_Trucks	33		Propylene	1.17E-01	
COR3_Trucks	33		Styrene	4.59E-03	
COR3_Trucks	33		Toluene	2.20E-01	
COR3_Trucks	33	1330207		1.84E-01	
BEK3_Trucks	34		Acetaldehyde	2.78E-02	
BEK3_Trucks	34		Acrolein	1.29E-02	
BEK3_Trucks	34		Benzene	2.46E-01	2.80E-05
BEK3_Trucks	34		1,3-Butadiene	5.47E-02	
BEK3_Trucks	34		Ethylbenzene	1.04E-01	
BEK3_Trucks	34		Formaldehyde	1.57E-01	1.79E-05
BEK3_Trucks	34		Hexane	1.59E-01	
BEK3_Trucks	34		Methanol	1.19E-02	
BEK3_Trucks	34		Methyl Ethyl Ketone	1.99E-03	
BEK3_Trucks	34	91203	Naphthalene	4.97E-03	5.67E-07

DEV2 Trucks	34	115071	Dranylana	3.04E-01	3.47E-05
BEK3_Trucks BEK3_Trucks	34	10071	Propylene Styrene	1.19E-02	
	34		Toluene	5.73E-01	6.54E-05
BEK3_Trucks BEK3_Trucks	34	1330207		4.77E-01	
	35			1.07E-02	
BEK4_Trucks BEK4_Trucks	35		Acetaldehyde Acrolein	4.97E-03	
BEK4_Trucks	35		Benzene	9.44E-02	
BEK4_Trucks	35		1,3-Butadiene	2.10E-02	2.40E-06
BEK4_Trucks	35		Ethylbenzene	4.01E-02	
BEK4_Trucks	35		Formaldehyde	6.04E-02	6.90E-06
BEK4_Trucks	35		Hexane	6.12E-02	
BEK4_Trucks	35		Methanol	4.59E-03	
BEK4_Trucks	35		Methyl Ethyl Ketone	7.65E-04	8.73E-08
BEK4_Trucks	35		Naphthalene	1.91E-03	
BEK4_Trucks	35		Propylene	1.17E-01	1.34E-05
BEK4_Trucks	35		Styrene	4.59E-03	
BEK4_Trucks	35		Toluene	2.20E-01	2.51E-05
BEK4_Trucks	35	1330207		1.84E-01	2.09E-05
BEK5_Trucks	36		Acetaldehyde	1.71E-02	1.96E-06
BEK5_Trucks	36		Acrolein	7.95E-03	
BEK5_Trucks	36		Benzene	1.51E-01	1.72E-05
BEK5_Trucks	36		1,3-Butadiene	3.36E-02	
BEK5_Trucks	36		Ethylbenzene	6.42E-02	
BEK5_Trucks	36		Formaldehyde	9.66E-02	1.10E-05
BEK5_Trucks	36		Hexane	9.79E-02	1.12E-05
BEK5_Trucks	36		Methanol	7.34E-03	
BEK5_Trucks	36		Methyl Ethyl Ketone	1.22E-03	1.40E-07
BEK5_Trucks	36		Naphthalene	3.06E-03	3.49E-07
BEK5_Trucks	36		Propylene	1.87E-01	2.14E-05
BEK5_Trucks	36		Styrene	7.34E-03	8.38E-07
BEK5_Trucks	36	108883	Toluene	3.52E-01	4.02E-05
BEK5_Trucks	36	1330207	Xylenes	2.94E-01	3.35E-05
CBN1_Trucks	37	75070	Acetaldehyde	0.00E+00	0.00E+00
CBN1_Trucks	37	107028	Acrolein	0.00E+00	
CBN1_Trucks	37		Benzene	0.00E+00	
CBN1_Trucks	37		1,3-Butadiene	0.00E+00	
CBN1_Trucks	37		Ethylbenzene	0.00E+00	
CBN1_Trucks	37		Formaldehyde	0.00E+00	
CBN1_Trucks	37		Hexane	0.00E+00	
CBN1_Trucks	37		Methanol	0.00E+00	
CBN1_Trucks	37		Methyl Ethyl Ketone	0.00E+00	
CBN1_Trucks	37		Naphthalene	0.00E+00	
CBN1_Trucks	37		Propylene	0.00E+00	
CBN1_Trucks	37		Styrene	0.00E+00	
CBN1_Trucks	37		Toluene	0.00E+00	
CBN1_Trucks	37	1330207	<i>y</i>	0.00E+00	
CBN2_Trucks	38	/5070	Acetaldehyde	0.00E+00	0.00E+00

CBN2_Trucks	38		Acrolein	0.00E+00	0.00E+00
CBN2_Trucks	38	71432	Benzene	0.00E+00	0.00E+00
CBN2_Trucks	38		1,3-Butadiene	0.00E+00	0.00E+00
CBN2_Trucks	38		Ethylbenzene	0.00E+00	0.00E+00
CBN2_Trucks	38	50000	Formaldehyde	0.00E+00	0.00E+00
CBN2_Trucks	38		Hexane	0.00E+00	0.00E+00
CBN2_Trucks	38		Methanol	0.00E+00	0.00E+00
CBN2_Trucks	38		Methyl Ethyl Ketone	0.00E+00	0.00E+00
CBN2_Trucks	38		Naphthalene	0.00E+00	0.00E+00
CBN2_Trucks	38		Propylene	0.00E+00	0.00E+00
CBN2_Trucks	38		Styrene	0.00E+00	0.00E+00
CBN2_Trucks	38		Toluene	0.00E+00	0.00E+00
CBN2_Trucks	38	1330207		0.00E+00	0.00E+00
HY03_Trucks	39		Acetaldehyde	6.32E-02	7.21E-06
HY03_Trucks	39		Acrolein	2.93E-02	3.35E-06
HY03_Trucks	39		Benzene	5.57E-01	6.36E-05
HY03_Trucks	39		1,3-Butadiene	1.24E-01	1.42E-05
HY03_Trucks	39		Ethylbenzene	2.37E-01	2.70E-05
HY03_Trucks	39		Formaldehyde	3.56E-01	4.07E-05
HY03_Trucks	39		Hexane	3.61E-01	4.12E-05
HY03_Trucks	39		Methanol	2.71E-02	3.09E-06
HY03_Trucks	39		Methyl Ethyl Ketone	4.51E-03	5.15E-07
HY03_Trucks	39		Naphthalene	1.13E-02	1.29E-06
HY03_Trucks	39		Propylene	6.90E-01	7.88E-05
HY03_Trucks	39		Styrene	2.71E-02	3.09E-06
HY03_Trucks	39		Toluene	1.30E+00	1.48E-04
HY03_Trucks	39	1330207		1.08E+00	1.24E-04
HY04_Trucks	40		Acetaldehyde	5.35E-03	6.11E-07
HY04_Trucks	40		Acrolein	2.48E-03	2.84E-07
HY04_Trucks	40		Benzene	4.72E-02	5.39E-06
HY04_Trucks	40		1,3-Butadiene	1.05E-02	
HY04_Trucks	40		Ethylbenzene	2.01E-02	2.29E-06
HY04_Trucks	40		Formaldehyde	3.02E-02	3.45E-06
HY04_Trucks	40		Hexane	3.06E-02	3.49E-06
HY04_Trucks	40		Methanol	2.29E-03	2.62E-07
HY04_Trucks	40		Methyl Ethyl Ketone	3.82E-04	4.36E-08
HY04_Trucks	40		Naphthalene	9.56E-04	1.09E-07
HY04_Trucks	40		Propylene	5.85E-02	6.68E-06
HY04_Trucks	40		Styrene	2.29E-03	2.62E-07
HY04_Trucks	40		Toluene	1.10E-01	1.26E-05
HY04_Trucks	40	1330207	· ·	9.18E-02	1.05E-05
HY05_Trucks	41		Acetaldehyde	8.14E-02	9.29E-06
HY05_Trucks	41		Acrolein	3.78E-02	4.31E-06
HY05_Trucks	41		Benzene	7.18E-01	8.19E-05
HY05_Trucks	41		1,3-Butadiene	1.60E-01	1.82E-05
HY05_Trucks	41		Ethylbenzene	3.05E-01	3.48E-05
HY05_Trucks	41	50000	Formaldehyde	4.59E-01	5.24E-05

HY05_Trucks	41	110543	Hexane	4.65E-01	5.31E-05
HY05_Trucks	41	67561	Methanol	3.49E-02	3.98E-06
HY05_Trucks	41	78933	Methyl Ethyl Ketone	5.81E-03	6.63E-07
HY05_Trucks	41	91203	Naphthalene	1.45E-02	1.66E-06
HY05_Trucks	41	115071	Propylene	8.89E-01	1.01E-04
HY05_Trucks	41	100425	Styrene	3.49E-02	3.98E-06
HY05_Trucks	41	108883	Toluene	1.67E+00	1.91E-04
HY05_Trucks	41	1330207	Xylenes	1.39E+00	1.59E-04
HY06_Trucks	42	75070	Acetaldehyde	1.12E-01	1.28E-05
HY06_Trucks	42	107028	Acrolein	5.22E-02	5.96E-06
HY06_Trucks	42	71432	Benzene	9.92E-01	1.13E-04
HY06_Trucks	42	106990	1,3-Butadiene	2.21E-01	2.52E-05
HY06_Trucks	42	100414	Ethylbenzene	4.21E-01	4.81E-05
HY06_Trucks	42	50000	Formaldehyde	6.34E-01	7.24E-05
HY06_Trucks	42	110543	Hexane	6.42E-01	7.33E-05
HY06_Trucks	42	67561	Methanol	4.82E-02	5.50E-06
HY06_Trucks	42	78933	Methyl Ethyl Ketone	8.03E-03	9.16E-07
HY06_Trucks	42	91203	Naphthalene	2.01E-02	2.29E-06
HY06_Trucks	42	115071	Propylene	1.23E+00	1.40E-04
HY06_Trucks	42	100425	Styrene	4.82E-02	5.50E-06
HY06_Trucks	42	108883	Toluene	2.31E+00	2.64E-04
HY06_Trucks	42	1330207	Xylenes	1.93E+00	2.20E-04

Unmitigated SRC ID	SRC No.	CAS	Pollutant	Full Build Ops - Or	
				lb/yr	lb/hı
GEN_A	1		DieselExhPM	4.81E+00	0.00E+00
GEN_BC	2		DieselExhPM	4.81E+00	0.00E+00
GEN_D	3		DieselExhPM	4.81E+00	0.00E+00
GEN_E	4		DieselExhPM	4.81E+00	0.00E+00
GEN_F	5	9901	DieselExhPM	4.81E+00	0.00E+00
GEN_G	6		DieselExhPM	4.81E+00	0.00E+00
FWP_A	7	9901	DieselExhPM	4.81E+00	0.00E+00
FWP_BC	8		DieselExhPM	4.81E+00	0.00E+00
FWP_D	9	9901	DieselExhPM	4.81E+00	0.00E+00
FWP_E	10	9901	DieselExhPM	4.81E+00	0.00E+00
FWP_F	11		DieselExhPM	4.81E+00	0.00E+00
FWP_G	12	9901	DieselExhPM	4.81E+00	0.00E+00
TRU_A	13	9901	DieselExhPM	1.27E+02	0.00E+00
TRU_BC	14	9901	DieselExhPM	6.19E+02	0.00E+00
TRU_D	15	9901	DieselExhPM	7.15E+01	0.00E+00
TRU_E	16	9901	DieselExhPM	7.15E+01	0.00E+00
TRU_F	17	9901	DieselExhPM	1.18E+02	0.00E+00
TRU_G	18		DieselExhPM	9.65E+01	0.00E+00
FLA	19		DieselExhPM	3.93E+01	0.00E+00
FLB	20		DieselExhPM	1.57E+02	0.00E+00
FLD	21		DieselExhPM	3.26E+01	0.00E+00
FLE	22		DieselExhPM	3.26E+01	0.00E+00
FLF	23		DieselExhPM	3.26E+01	0.00E+00
FLG	24		DieselExhPM	3.26E+01	0.00E+00
CARS	25		DieselExhPM	3.31E+00	0.00E+00
TRUCKS	26		DieselExhPM	6.06E+00	0.00E+00
CARS	25		Acetaldehyde	1.12E+00	1.28E-04
CARS	25		Acrolein	5.22E-01	5.95E-05
CARS	25		Benzene	9.91E+00	1.13E-03
CARS	25		1,3-Butadiene	2.21E+00	2.52E-04
CARS	25		Ethylbenzene	4.21E+00	4.81E-04
CARS	25		Formaldehyde	6.34E+00	7.24E-04
CARS	25		Hexane	6.42E+00	7.24E 04
CARS	25		Methanol	4.81E-01	5.50E-05
CARS	25		Methyl Ethyl Ketone	8.02E-02	9.16E-06
CARS	25		Naphthalene	2.01E-01	2.29E-05
CARS	25	115071	Propylene	1.23E+01	1.40E-03
CARS	25		Styrene	4.81E-01	5.50E-05
CARS	25		Toluene	2.31E+01	2.64E-03
CARS	25	1330207		1.93E+01	2.20E-03
TRUCKS	26		Acetaldehyde	4.37E-01	4.99E-05
TRUCKS	26		Acrolein	2.03E-01	2.31E-05
TRUCKS	26		Benzene	3.85E+00	4.40E-04
TRUCKS	26		1,3-Butadiene	8.58E-01	9.79E-05
TRUCKS	26		Ethylbenzene	1.64E+00	1.87E-04
TRUCKS			Formaldehyde	2.46E+00	
TRUCKS	26 26		Hexane	2.46E+00 2.50E+00	2.81E-04 2.85E-04
TRUCKS	26		Methanol Methyl Ethyl Ketana	1.87E-01	2.14E-05
TRUCKS	26		Methyl Ethyl Ketone	3.12E-02	3.56E-06
TRUCKS	26		Naphthalene	7.80E-02	8.90E-06
TRUCKS	26		Propylene	4.77E+00	5.45E-04
TRUCKS	26		Styrene	1.87E-01	2.14E-05
TRUCKS	26		Toluene	8.98E+00	1.03E-03
TRUCKS	26	1330207	Xylenes	7.49E+00	8.55E-04

Construction Road Segments (Cars) - MITIGATED															
CORRIGORIO ROSCI SEQUIENTES (CAIS) - WENDATED	Road Width	Road Width	Base		Line Volume	Release Height from	Initial Lateral	Initial Vertical	# Volume	Total Length	g/s per vol (1		Multiplier (1-one-		Ī
Road	(ft)	(m)	Elevation	SourceID	Src Type	(m)	Dimension (m)	Dimension (m)	Sources	(m)	q/s)	Route	way, 2-two-way)	Route	Notes
Penn Ave South from SR 12 and South to Project Entrance	50.00	15.24	varies - AERMAP	PEN1	Adjacent	1.30	varies - based on plume	1.21	19	393.8	5.2632E-02	Inbound and Outbound	2	r3	All Constr
Cordelia Rd West of Penn Ave and East of Beck Rd	25.00	7.62	varies - AERMAP	COR2	Adjacent	1.30	varies - based on plume	1.21	37	500.2	2.7027E-02	Inbound and Outbound	2	r3	All Const
Penn Ave South of Project Entrance and North of Cordelia Rd	50.00	15.24	varies - AERMAP	PEN2	Adjacent	1.30	varies - based on plume	1.21	11	243.2	9.0909E-02	Inbound and Outbound	2	r3	All Const
Penn Ave Northbound North from SR 12 and South of W Texas St	25	7.62	varies - AERMAP	PEN3	Adjacent	1.30	varies - based on plume	1.21	64	867.4	1.5625E-02	Outbound	1	r1	40%
Penn Ave Southbound North from SR 12 and South of W Texas St	25	7.62	varies - AERMAP	PEN4	Adjacent	1.30	varies - based on plume	1.21	64	870	1.5625E-02	Inbound	1	r1	40%
SR 12 Westbound West of Chadbourne Rd and East of Beck Ave	30	9.14	varies - AERMAP	HY03	Adjacent	1.30	varies - based on plume	1.21	101	1535.1	9.9010E-03	Outbound	1	r2	60%
SR 12 Eastbound West of Chadbourne Rd and East of Beck Ave	30	9.14	varies - AERMAP	HY04	Adjacent	1.30	varies - based on plume	1.21	102	1539.4	9.8039E-03	Inbound	1	r2	60%
SR 12 Westbound West of Beck Ave and East of Penn Ave	30	9.14	varies - AERMAP	HY05	Adjacent	1.30	varies - based on plume	1.21	91	1370.9	1.0989E-02	Outbound	1	r2	60%
SR 12 Eastbound West of Beck Ave and East of Penn Ave	30	9.14	varies - AERMAP	HY06	Adjacent	1.30	varies - based on plume	1.21	91	1375.3	1.0989E-02	Inbound	1	r2	60%
Penn Ave Northbound North of West Texas Street and North of Travis Blvd	25	7.62	varies - AERMAP	PEN5	Adjacent	1.30	varies - based on plume	1.21	73	988.2	1.3699E-02	Outbound	1	r1	40%
Penn Ave Southbound North of West Texas Street and North of Travis Blvd	25	7.62	varies - AERMAP	PEN6	Adjacent	1.30	varies - based on plume	1.21	73	991.4	1.3699E-02	Inbound	1	r1	40%

20	24	20	25	20	26	2024	2025	25 2026 2024 2025			2026
Exhaust DPM (lb/yr)	Total PM2.5 (lb/yr)	Exhaust DPM (lb/yr)	Total PM2.5 (lb/yr)	Exhaust DPM (lb/yr)	Total PM2.5 (lb/yr)	Total PM2.5 (g/s/vol)	Total PM2.5 (g/s/vol)	Total PM2.5 (g/s/vol)	ROG (ton/yr)	ROG (ton/yr)	ROG (ton/yr)
1.10E-01	1.28E+00	1.87E-01	2.01E+00	1.20E-01	1.33E+00	3.26145E-06	8.80539E-06	4.06400E-06	1.20E-03	1.79E-03	1.12E-03
1.40E-01	1.62E+00	2.37E-01	2.56E+00	1.53E-01	1.69E+00	2.12731E-06	5.74339E-06	2.65078E-06	1.52E-03	2.27E-03	1.43E-03
6.81E-02	7.90E-01	1.15E-01	1.24E+00	7.42E-02	8.20E-01	3.47905E-06	9.39285E-06	4.33514E-06	7.40E-04	1.10E-03	6.93E-04
5.71E-02	6.62E-01	9.66E-02	1.04E+00	6.23E-02	6.88E-01	5.01422E-07	1.35376E-06	6.24807E-07	6.20E-04	9.26E-04	5.81E-04
5.73E-02	6.64E-01	9.69E-02	1.05E+00	6.24E-02	6.90E-01	5.02925E-07	1.35781E-06	6.26680E-07	6.22E-04	9.29E-04	5.83E-04
1.12E-01	1.30E+00	1.90E-01	2.05E+00	1.22E-01	1.35E+00	6.24276E-07	1.68544E-06	7.77892E-07	1.22E-03	1.82E-03	1.14E-03
1.13E-01	1.30E+00	1.90E-01	2.06E+00	1.23E-01	1.36E+00	6.19887E-07	1.67359E-06	7.72423E-07	1.22E-03	1.83E-03	1.15E-03
1.00E-01	1.16E+00	1.70E-01	1.83E+00	1.09E-01	1.21E+00	6.18765E-07	1.67056E-06	7.71025E-07	1.09E-03	1.63E-03	1.02E-03
1.01E-01	1.17E+00	1.70E-01	1.84E+00	1.10E-01	1.21E+00	6.20751E-07	1.67592E-06	7.73500E-07	1.09E-03	1.63E-03	1.02E-03
6.51E-02	7.54E-01	1.10E-01	1.19E+00	7.09E-02	7.84E-01	5.00825E-07	1.35214E-06	6.24063E-07	7.07E-04	1.06E-03	6.62E-04
6.53E-02	7.57E-01	1.10E-01	1.19E+00	7.12E-02	7.86E-01	5.02447E-07	1.35652E-06	6.26084E-07	7.09E-04	1.06E-03	6.64E-04

	Beginnin	ng 2024
Route Length	meters	miles
Inbound East	4051.9	
Outbound West	4043.2	2.512328
Inbound South	2998.6	
Outbound North	2992.8	1.85964
Northern Route	5991.4	3.722883 r1
Hwy 12 Route	8095.1	5.030062 r2
Penn Ave	7043.25	4.376473 r3
Avg.		4.376473
Route %	40%	
	60%	
	100%	r3
	Hours	Year
Total Hours/12 months of Construction	2600	
Total Hours/7 months of Construction	1517	2025
Total Hours/10 months of Construction	2167	2026

Construction Road Segments (Trucks) - MITIGATED															
	Road	Road	Base		Line	Height from		Dimension (m)					Multiplier		
	Width	Width	Elevatio		Volume	2023	Initial Lateral	from 2023	# Volume	Total Length	q/s per vol (1		(1=one-way,		
Road	(ft)	(m)	n	SourceID	Src Type	BAAQMD	Dimension (m)	BAAQMD	Sources	(m)	q/s)	Route	2=two-way)	Route	Notes
Penn Ave South from SR 12 and South to Project Entrance	50.00	15.24	varies - AERMAP	PEN1	Adjacent	3.40	varies - based on plume	3.16	19	393.8	5.2632E-02	Inbound and Outbound	2	r3	All Consti
Cordelia Rd West of Penn Ave and East of Beck Rd	25.00	7.62	varies - AERMAP	COR2	Adjacent	3.40	varies - based on plume	3.16	37	500.2	2.7027E-02	Inbound and Outbound	2	r3	All Consti
Penn Ave South of Project Entrance and North of Cordelia Rd	50.00	15.24	varies - AERMAP	PEN2	Adjacent	3.40	varies - based on plume	3.16	11	243.2	9.0909E-02	Inbound and Outbound	2	r3	All Consti
Penn Ave Northbound North from SR 12 and South of W Texas St	25	7.62	varies - AERMAP	PEN3	Adjacent	3.40	varies - based on plume	3.16	64	867.4	1.5625E-02	Outbound	1	r1	40%
Penn Ave Southbound North from SR 12 and South of W Texas St	25	7.62	varies - AERMAP	PEN4	Adjacent	3.40	varies - based on plume	3.16	64	870	1.5625E-02	Inbound	1	r1	40%
SR 12 Westbound West of Chadbourne Rd and East of Beck Ave	30	9.14	varies - AERMAP	HY03	Adjacent	3.40	varies - based on plume	3.16	101	1535.1	9.9010E-03	Outbound	1	г2	60%
SR 12 Eastbound West of Chadbourne Rd and East of Beck Ave	30	9.14	varies - AERMAP	HY04	Adjacent	3.40	varies - based on plume	3.16	102	1539.4	9.8039E-03	Inbound	1	г2	60%
SR 12 Westbound West of Beck Ave and East of Penn Ave	30	9.14	varies - AERMAP	HY05	Adjacent	3.40	varies - based on plume	3.16	91	1370.9	1.0989E-02	Outbound	1	г2	60%
SR 12 Eastbound West of Beck Ave and East of Penn Ave	30	9.14	varies - AERMAP	HY06	Adjacent	3.40	varies - based on plume	3.16	91	1375.3	1.0989E-02	Inbound	1	r2	60%
Penn Ave Northbound North of West Texas Street and North of Travis Blvd	25	7.62	varies - AERMAP	PEN5	Adjacent	3.40	varies - based on plume	3.16	73	988.2	1.3699E-02	Outbound	1	r1	40%
Penn Ave Southbound North of West Texas Street and North of Travis Blvd	25	7.62	varies - AERMAP	PEN6	Adjacent	3.40	varies - based on plume	3.16	73	991.4	1.3699E-02	Inbound	1	r1	40%

20	24	20	25	20	26	2024	2025	2026
Exhaust DPM (lb/yr)	Total PM2.5 (lb/yr)	Exhaust DPM (lb/yr)	Total PM2.5 (lb/yr)	Exhaust DPM (lb/yr)	Total PM2.5 (lb/yr)	Total PM2.5 (g/s/vol)	Total PM2.5 (g/s/vol)	Total PM2.5 (g/s/vol)
1.08E-01	6.34E-01	1.91E-01	1.17E+00	1.26E-01	7.76E-01	1.61613E-06	5.13153E-06	2.37460E-06
1.37E-01	8.05E-01	2.42E-01	1.49E+00	1.60E-01	9.86E-01	1.05414E-06	3.34709E-06	1.54885E-06
6.66E-02	3.91E-01	1.18E-01	7.25E-01	7.79E-02	4.79E-01	1.72395E-06	5.47389E-06	2.53302E-06
5.59E-02	3.28E-01	9.88E-02	6.08E-01	6.53E-02	4.02E-01	2.48467E-07	7.88931E-07	3.65075E-07
5.60E-02	3.29E-01	9.91E-02	6.10E-01	6.55E-02	4.03E-01	2.49212E-07	7.91296E-07	3.66170E-07
1.10E-01	6.45E-01	1.94E-01	1.19E+00	1.28E-01	7.90E-01	3.09344E-07	9.82228E-07	4.54523E-07
1.10E-01	6.47E-01	1.95E-01	1.20E+00	1.29E-01	7.92E-01	3.07169E-07	9.75323E-07	4.51327E-07
9.80E-02	5.76E-01	1.73E-01	1.07E+00	1.15E-01	7.05E-01	3.06613E-07	9.73557E-07	4.50510E-07
9.83E-02	5.78E-01	1.74E-01	1.07E+00	1.15E-01	7.07E-01	3.07597E-07	9.76682E-07	4.51956E-07
6.36E-02	3.74E-01	1.13E-01	6.93E-01	7.44E-02	4.58E-01	2.48171E-07	7.87992E-07	3.64641E-07
6.38E-02	3.75E-01	1.13E-01	6.95E-01	7.46E-02	4.59E-01	2.48975E-07	7.90544E-07	3.65821E-07

	Beginnir	ng 2024
Route Length	meters	miles
Inbound East	4051.9	2.517734
Outbound West	4043.2	2.512328
Inbound South	2998.6	1.863244
Outbound North	2992.8	1.85964
Northern Route	5991.4	3.722883 r1
Hwy 12 Route	8095.1	5.030062 r2
Penn Ave	7043.25	4.376473 r3
Avg.		4.376473
Route %	40%	r1
	60%	r2
	100%	r3
	Hours	Year
Total Hours/12 months of Construction	2600	2024
Total Hours/7 months of Construction	1517	2025
Total Hours/10 months of Construction	2167	2026

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gatea					CONSTR	RUCTION YEAR 202	4					
											Penn Ave	Penn Ave
	EMFAC			Penn Ave South	Penn Ave	Penn Ave	SR 12 Westbound	SR 12 Eastbound			Northbound	Southbound
	Gasoline TOG	Penn Ave South		of Project	Northbound	Southbound	West of	West of	SR 12 Westbound	SR 12 Eastbound	North of West	North of West
Toxic Compounds (lb/yr)	Speciation	from SR 12 and	Cordelia Rd West	Entrance and	North from SR 12	North from SR 12	Chadbourne Rd	Chadbourne Rd	West of Beck Ave	West of Beck Ave	Texas Street and	Texas Street and
	Speciation	South to Project	of Penn Ave and	North of Cordelia	and South of W	and South of W	and East of Beck	and East of Beck	and East of Penn	and East of Penn	North of Travis	North of Travis
		Entrance	East of Beck Rd	Rd	Texas St	Texas St	Ave	Ave	Ave	Ave	Blvd	Blvd
	(% of TOG)	PEN1	COR2	PEN2	PEN3	PEN4	HY03	HY04	HY05	HY06	PEN5	PEN6
Acetaldehyde	0.28%	6.71E-03		4.14E-03	3.47E-03	3.48E-03	6.83E-03	6.85E-03	6.10E-03	6.12E-03	3.96E-03	3.97E-03
Acrolein	0.13%	3.11E-03		1.92E-03	1.61E-03	1.62E-03	3.17E-03	3.18E-03	2.83E-03	2.84E-03	1.84E-03	1.84E-03
Benzene	2.47%	5.92E-02	7.52E-02	3.65E-02	3.06E-02	3.07E-02	6.02E-02	6.04E-02	5.38E-02	5.39E-02	3.49E-02	3.50E-02
1,3-Butadiene	0.55%	1.32E-02	1.67E-02	8.14E-03	6.82E-03	6.85E-03	1.34E-02	1.34E-02	1.20E-02	1.20E-02	7.78E-03	7.80E-03
Ethylbenzene	1.05%	2.52E-02	3.20E-02	1.55E-02	1.30E-02	1.31E-02	2.56E-02	2.57E-02	2.29E-02	2.29E-02	1.48E-02	1.49E-02
Formaldehyde	1.58%	3.79E-02	4.81E-02	2.34E-02	1.96E-02	1.97E-02	3.85E-02	3.86E-02	3.44E-02	3.45E-02	2.23E-02	2.24E-02
Hexane	1.60%	3.83E-02	4.87E-02	2.37E-02	1.99E-02	1.99E-02	3.90E-02	3.91E-02	3.48E-02	3.49E-02	2.26E-02	2.27E-02
Methanol	0.12%	2.88E-03	3.65E-03	1.78E-03	1.49E-03	1.49E-03	2.93E-03	2.93E-03	2.61E-03	2.62E-03	1.70E-03	1.70E-03
Methyl Ethyl Ketone	0.02%	4.79E-04	6.09E-04	2.96E-04	2.48E-04	2.49E-04	4.88E-04	4.89E-04	4.35E-04	4.37E-04	2.83E-04	2.84E-04
Naphthalene	0.05%	1.20E-03	1.52E-03	7.40E-04	6.20E-04	6.22E-04	1.22E-03	1.22E-03	1.09E-03	1.09E-03	7.07E-04	7.09E-04
Propylene	3.06%	7.33E-02	9.31E-02	4.53E-02	3.80E-02	3.81E-02	7.46E-02	7.48E-02	6.66E-02	6.68E-02	4.33E-02	4.34E-02
Styrene	0.12%	2.88E-03		1.78E-03	1.49E-03	1.49E-03	2.93E-03	2.93E-03	2.61E-03	2.62E-03	1.70E-03	1.70E-03
Toluene	5.76%	1.38E-01	1.75E-01	8.52E-02	7.15E-02	7.17E-02	1.40E-01	1.41E-01	1.25E-01	1.26E-01	8.14E-02	8.17E-02
Xylenes	4.80%	1.15E-01	1.46E-01	7.10E-02	5.96E-02	5.97E-02	1.17E-01	1.17E-01	1.05E-01	1.05E-01	6.79E-02	6.81E-02
lb/hr	(% of TOG)	PEN1	COR2	PEN2	PEN3	PEN4	HY03	HY04	HY05	HY06	PEN5	PEN6
Acetaldehyde	0.28%	7.66E-07		4.73E-07	3.97E-07	3.98E-07	7.79E-07	7.81E-07	6.96E-07	6.98E-07	4.52E-07	4.53E-07
Acrolein	0.13%	3.56E-07	4.52E-07	2.20E-07	1.84E-07	1.85E-07	3.62E-07	3.63E-07	3.23E-07	3.24E-07	2.10E-07	2.10E-07
Benzene	2.47%	6.76E-06		4.17E-06	3.50E-06	3.51E-06	6.87E-06	6.89E-06	6.14E-06	6.16E-06	3.99E-06	4.00E-06
1,3-Butadiene	0.55%	1.50E-06		9.29E-07	7.79E-07	7.81E-07	1.53E-06	1.53E-06	1.37E-06	1.37E-06	8.88E-07	8.90E-07
Ethylbenzene	1.05%	2.87E-06		1.77E-06	1.49E-06	1.49E-06	2.92E-06	2.93E-06	2.61E-06	2.62E-06	1.69E-06	1.70E-06
Formaldehyde	1.58%	4.32E-06		2.67E-06	2.24E-06	2.24E-06	4.40E-06	4.41E-06	3.93E-06	3.94E-06	2.55E-06	2.56E-06
Hexane	1.60%	4.38E-06	5.56E-06	2.70E-06	2.27E-06	2.27E-06	4.45E-06	4.47E-06	3.98E-06	3.99E-06	2.58E-06	2.59E-06
Methanol	0.12%	3.28E-07		2.03E-07	1.70E-07	1.70E-07	3.34E-07	3.35E-07	2.98E-07	2.99E-07	1.94E-07	1.94E-07
Methyl Ethyl Ketone	0.02%	5.47E-08		3.38E-08	2.83E-08	2.84E-08	5.57E-08	5.58E-08	4.97E-08		3.23E-08	3.24E-08
Naphthalene	0.05%	1.37E-07		8.45E-08	7.08E-08	7.10E-08	1.39E-07	1.40E-07	1.24E-07	1.25E-07	8.07E-08	8.09E-08
Propylene	3.06%	8.37E-06		5.17E-06	4.33E-06	4.35E-06	8.52E-06	8.54E-06	7.61E-06	7.63E-06	4.94E-06	4.95E-06
Styrene	0.12%	3.28E-07	4.17E-07	2.03E-07	1.70E-07	1.70E-07	3.34E-07	3.35E-07	2.98E-07	2.99E-07	1.94E-07	1.94E-07
Toluene	5.76%	1.58E-05		9.73E-06	8.16E-06	8.18E-06	1.60E-05	1.61E-05	1.43E-05	1.44E-05	9.30E-06	9.33E-06
Xylenes	4.80%	1.31E-05	1.67E-05	8.11E-06	6.80E-06	6.82E-06	1.34E-05	1.34E-05	1.19E-05	1.20E-05	7.75E-06	7.77E-06

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Mitigated												
						CONSTRUCTION YEAR	2025					
Toxic Compounds (lb/yr)	EMFAC Gasoline TOG Speciation	Penn Ave South from SR 12 and South to Project Entrance	Cordelia Rd West of Penn Ave and East of Beck Rd	Penn Ave South of Project Entrance and North of Cordelia Rd	Penn Ave Northbound North from SR 12 and South of W Texas St				SR 12 Westbound West of Beck Ave and East of Penn Ave			Penn Ave Southbound North of West Texas Street and North of Travis Blvd
	(% of TOG)	PEN1	COR2	PEN2	PEN3	PEN4	HY03	HY04	HY05	HY06	PEN5	PEN6
Acetaldehyde	0.28%	1.00E-02		6.19E-03	5.19E-03	5.20E-03	1.02E-02	1.02E-02	9.10E-03	9.13E-03	5.91E-03	
Acrolein	0.13%	4.65E-03	5.91E-03	2.87E-03	2.41E-03	2.42E-03	4.73E-03	4.75E-03	4.23E-03	4.24E-03	2.74E-03	2.75E-0
Benzene	2.47%	8.84E-02		5.46E-02	4.58E-02	4.59E-02	8.99E-02	9.02E-02	8.03E-02	8.05E-02	5.21E-02	5.23E-0
1,3-Butadiene	0.55%	1.97E-02	2.50E-02	1.22E-02	1.02E-02	1.02E-02	2.00E-02	2.01E-02	1.79E-02	1.79E-02	1.16E-02	1.16E-0
Ethylbenzene	1.05%	3.76E-02	4.77E-02	2.32E-02	1.95E-02	1.95E-02	3.82E-02	3.83E-02	3.41E-02	3.42E-02	2.22E-02	2.22E-0
Formaldehyde	1.58%	5.65E-02	7.18E-02	3.49E-02	2.93E-02	2.94E-02	5.75E-02	5.77E-02	5.14E-02	5.15E-02	3.33E-02	3.35E-0
Hexane	1.60%	5.72E-02	7.27E-02	3.53E-02	2.96E-02	2.97E-02	5.82E-02	5.84E-02	5.20E-02	5.22E-02	3.38E-02	3.39E-0
Methanol	0.12%	4.29E-03		2.65E-03	2.22E-03	2.23E-03	4.37E-03	4.38E-03	3.90E-03	3.91E-03	2.53E-03	2.54E-0
Methyl Ethyl Ketone	0.02%	7.15E-04	9.09E-04	4.42E-04	3.71E-04	3.72E-04	7.28E-04	7.30E-04	6.50E-04	6.52E-04	4.22E-04	4.23E-0
Naphthalene	0.05%	1.79E-03	2.27E-03	1.10E-03	9.26E-04	9.29E-04	1.82E-03	1.83E-03	1.63E-03	1.63E-03	1.06E-03	1.06E-0
Propylene	3.06%	1.09E-01	1.39E-01	6.76E-02	5.67E-02	5.69E-02	1.11E-01	1.12E-01	9.95E-02	9.98E-02	6.46E-02	6.48E-0
Styrene	0.12%	4.29E-03	5.45E-03	2.65E-03	2.22E-03	2.23E-03	4.37E-03	4.38E-03	3.90E-03	3.91E-03	2.53E-03	2.54E-0
Toluene	5.76%	2.06E-01	2.62E-01	1.27E-01	1.07E-01	1.07E-01	2.10E-01	2.10E-01	1.87E-01	1.88E-01	1.22E-01	1.22E-0
Xylenes	4.80%	1.72E-01	2.18E-01	1.06E-01	8.89E-02	8.92E-02	1.75E-01	1.75E-01	1.56E-01	1.57E-01	1.01E-01	1.02E-0
lb/hr	(% of TOG)	PEN1	COR2	PEN2	PEN3	PEN4	HY03	HY04	HY05	HY06	PEN5	PEN6
Acetaldehyde	0.28%	1.14E-06		7.06E-07								6.77E-0
Acrolein	0.13%	5.31E-07		3.28E-07		2.76E-07			4.82E-07	4.84E-07		3.14E-0
Benzene	2.47%	1.01E-05		6.23E-06				1.03E-05	9.17E-06	9.19E-06		
1,3-Butadiene	0.55%	2.25E-06		1.39E-06					2.04E-06	2.05E-06		
Ethylbenzene	1.05%	4.29E-06		2.65E-06				4.38E-06	3.90E-06	3.91E-06		2.54E-0
Formaldehyde	1.58%	6.45E-06		3.98E-06				6.58E-06	5.86E-06	5.88E-06		3.82E-0
Hexane	1.60%	6.53E-06		4.04E-06				6.67E-06	5.94E-06	5.96E-06		
Methanol	0.12%	4.90E-07	6.22E-07	3.03E-07	2.54E-07	2.55E-07	4.99E-07	5.00E-07	4.45E-07	4.47E-07	2.89E-07	2.90E-0
Methyl Ethyl Ketone	0.02%	8.17E-08		5.04E-08	4.23E-08			8.33E-08	7.42E-08	7.45E-08		4.83E-0
Naphthalene	0.05%	2.04E-07	2.59E-07	1.26E-07	1.06E-07	1.06E-07	2.08E-07	2.08E-07	1.86E-07	1.86E-07	1.20E-07	1.21E-0
Propylene	3.06%	1.25E-05		7.72E-06				1.28E-05	1.14E-05	1.14E-05		7.40E-0
Styrene	0.12%	4.90E-07	6.22E-07	3.03E-07	2.54E-07	2.55E-07	4.99E-07	5.00E-07	4.45E-07	4.47E-07	2.89E-07	2.90E-0
Toluene	5.76%	2.35E-05		1.45E-05	1.22E-05			2.40E-05	2.14E-05	2.14E-05		1.39E-0
Xylenes	4.80%	1.96E-05	2.49E-05	1.21E-05	1.02E-05	1.02E-05	1.99E-05	2.00E-05	1.78E-05	1.79E-05	1.16E-05	1.16E-0

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Mitigated						CONCEDUCTION VEAL	2 2027					
			I		I	CONSTRUCTION YEAR	R 2026	I				
	EMFAC											
	Gasoline										Penn Ave Northbound	Penn Ave Southbound
Toxic		Donn Aug Courth from CD	Cardolia Dd Most of	Donn Aug Couth of	Donn Aug Northhound	Donn Aug Couthhound	CD 12 Weethound Weet	SR 12 Eastbound West	CD 13 Mooth ound Moot	CD 13 Foothound Woot		
Compounds (lb/yr)	TOG	Penn Ave South from SR 12 and South to Project	Cordelia Rd West of Penn Ave and East of	Penn Ave South of	Penn Ave Northbound North from SR 12 and			of Chadbourne Rd and			North of West Texas Street and North of	North of West Texas Street and North of
	Speciation			Project Entrance and								Travis Blvd
	(0/ -FTOC)	Entrance PEN1	Beck Rd COR2	North of Cordelia Rd PEN2	South of W Texas St PEN3	South of W Texas St PEN4	East of Beck Ave HY03	East of Beck Ave HY04	Penn Ave HY05	Penn Ave HY06	Travis Blvd PEN5	PEN6
Acetaldehyde	(% of TOG) 0.28%	6.29E-03	7.99E-03		3.26E-03	3.27E-03		6.41E-03	5.71E-03		3.71E-03	
Acrolein	0.28%	6.29E-03 2.92E-03	7.99E-03 3.71E-03		3.26E-03 1.51E-03	3.2/E-03 1.52E-03		2.98E-03	5.71E-03 2.65E-03		3.7 IE-03 1.72E-03	
Benzene	2.47%	5.55E-02	7.04E-02	3.42E-02	2.87E-03	2.88E-02		5.66E-02	5.04E-03		3.27E-03	3.28E-02
1.3-Butadiene	0.55%	5.55E-02 1.23E-02	7.04E-02 1.57E-02	7.63E-02	2.87E-02 6.40E-03	2.88E-02 6.41E-03		5.66E-02 1.26E-02	5.04E-02 1.12E-02		3.27E-02 7.29E-03	3.28E-02 7.31E-03
Ethylbenzene	1.05%	2.36E-02	2.99E-02	7.63E-03 1.46E-02	1.22E-02	1.22E-02		2.41E-02	2.14E-02		7.29E-03 1.39E-02	1.40E-02
	1.05%	2.36E-02 3.55E-02	2.99E-02 4.51E-02			1.22E-02 1.84E-02		2.41E-02 3.62E-02	2.14E-02 3.22E-02		1.39E-02 2.09E-02	
Formaldehyde	1.58%	3.55E-02 3.59E-02	4.51E-02 4.56E-02	2.19E-02 2.22E-02	1.84E-02 1.86E-02	1.84E-02 1.87E-02		3.62E-02 3.67E-02	3.22E-02 3.26E-02		2.09E-02 2.12E-02	
Hexane											2.12E-02 1.59E-03	
Methanol	0.12%	2.69E-03 4.49E-04	3.42E-03 5.70E-04	1.66E-03 2.77E-04	1.40E-03 2.33E-04	1.40E-03 2.33E-04		2.75E-03 4.58E-04	2.45E-03 4.08E-04		1.59E-03 2.65E-04	1.59E-03 2.66E-04
Methyl Ethyl Ketone	0.02%											
Naphthalene		1.12E-03 6.87E-02	1.43E-03 8.73E-02	6.93E-04 4.24E-02	5.81E-04 3.56E-02	5.83E-04 3.57E-02		1.15E-03 7.01E-02	1.02E-03 6.24E-02		6.62E-04 4.05E-02	
Propylene	3.06%	6.87E-02 2.69E-03	8.73E-02 3.42E-03	4.24E-02 1.66E-03				7.01E-02 2.75E-03	6.24E-02 2.45E-03		4.05E-02 1.59E-03	
Styrene	0.12% 5.76%	2.69E-03 1.29E-01	3.42E-03 1.64E-01	7.99E-02	1.40E-03 6.70E-02	1.40E-03 6.72E-02		2.75E-03 1.32E-01	2.45E-03 1.18E-01		7.63E-03	
Toluene	5.76% 4.80%				5.58E-02				9.79E-02		7.63E-02 6.36E-02	
Xylenes	4.80%	1.08E-01	1.37E-01	6.66E-02	5.58E-U2	5.60E-02	1.10E-01	1.10E-01	9.79E-02	9.82E-02	6.36E-U2	6.38E-02
lb/hr	(% of TOG)	PEN1	COR2	PEN2	PEN3	PEN4	HY03	HY04	HY05	HY06	PEN5	PEN6
Acetaldehyde	0.28%	7.18E-07	9.12E-07	4.43E-07	3.72E-07	3.73E-07	7.30E-07	7.32E-07	6.52E-07		4.23E-07	4.25E-07
Acrolein	0.26%	3.33E-07	4.23E-07	4.43E-07 2.06E-07	1.73E-07	1.73E-07	7.30E-07 3.39E-07	7.32E-07 3.40E-07	3.03E-07		4.23E-07 1.97E-07	4.25E-07 1.97E-07
Benzene	2.47%	6.33E-06	4.23E-07 8.04E-06	3.91E-06	3.28E-06	3.29E-06		6.46E-06	5.75E-06		3.74E-06	
1.3-Butadiene	0.55%	1.41E-06	1.79E-06	8.71E-07	7.30E-07	7.32E-07	1.43E-06	1.44E-06	1.28E-06		8.32E-07	8.34E-07
Ethylbenzene	1.05%	2.69E-06	3.42E-06	1.66E-06	1.39E-06	1.40E-06		2.75E-06	2.45E-06		1.59E-06	
Formaldehyde	1.58%	4.05E-06	5.14E-06	2.50E-06	2.10E-06	2.10E-06		4.13E-06	3.68E-06		2.39E-06	
Hexane	1.60%	4.10E-06	5.21E-06	2.53E-06	2.10E-00 2.12E-06	2.13E-06		4.13E-06	3.73E-06		2.42E-06	
Methanol	0.12%	3.08E-07	3.91E-07	1.90E-07	1.59E-07	1.60E-07	3.13E-07	3.14E-07	2.79E-07		1.81E-07	
Methyl Ethyl Ketone	0.12%	5.13E-08	6.51E-08	3.17E-08	2.65E-08	2.66E-08		5.23E-08	4.66E-08		3.02E-08	
Naphthalene	0.02%	1.28E-07	1.63E-07	7.91E-08	6.64E-08	6.66E-08		1.31E-07	1.16E-07		7.56E-08	
Propylene	3.06%	7.84E-06	9.96E-06	4.84E-06	4.06E-06	4.07E-06		8.00E-06	7.13E-06		4.63E-06	4.64E-06
Styrene	0.12%	3.08E-07	3.91E-07	1.90E-07	1.59E-07	1.60E-07	3.13E-07	3.14E-07	2.79E-07		1.81E-07	1.82E-07
Toluene	5.76%	1.48E-05	1.88E-05	9.12E-06	7.65E-06	7.67E-06		1.51E-05	1.34E-05		8.71E-06	
Xylenes	4.80%	1.48E-05	1.56E-05	7.60E-06	6.37E-06	6.39E-06		1.26E-05	1.12E-05		7.26E-06	
Aylorios	4.0070	1.23E-U3	1.30E-U3	7.0UE-U0	0.37E-00	U.39E-U0	1.23E-U3	1.20E-U3	1.12E-U3	1.12E-05	1.20E-U0	1.20E-U0

HARP2 Emission Inputs (Mitigated)

HARP2 Emission In	Ī	·		20	24
SRC ID	SRC No.	CAS	Pollutant	lb/yr	lb/hr
DEMO	1	9901	DieselExhPM	2.98E+01	0.00E+00
CONST_PHASE1	2	9901	DieselExhPM	7.19E+00	0.00E+00
CONST_OFFSITE	3	9901	DieselExhPM	2.41E+01	0.00E+00
PEN1	4	9901	DieselExhPM	1.10E-01	0.00E+00
COR2	5	9901	DieselExhPM	1.40E-01	0.00E+00
PEN2	6	9901	DieselExhPM	6.81E-02	0.00E+00
PEN3	7	9901	DieselExhPM	5.71E-02	0.00E+00
PEN4	8	9901	DieselExhPM	5.73E-02	0.00E+00
HY03	9	9901	DieselExhPM	1.12E-01	0.00E+00
HY04	10	9901	DieselExhPM	1.13E-01	0.00E+00
HY05	11	9901	DieselExhPM	1.00E-01	0.00E+00
HY06	12	9901	DieselExhPM	1.01E-01	0.00E+00
PEN5	13	9901	DieselExhPM	6.51E-02	0.00E+00
PEN6	14	9901	DieselExhPM	6.53E-02	0.00E+00
PEN1_TRK	15	9901	DieselExhPM	1.08E-01	0.00E+00
COR2_TRK	16	9901	DieselExhPM	1.37E-01	0.00E+00
PEN2_TRK	17	9901	DieselExhPM	6.66E-02	0.00E+00
PEN3_TRK	18	9901	DieselExhPM	5.59E-02	0.00E+00
PEN4_TRK	19	9901	DieselExhPM	5.60E-02	0.00E+00
HY03_TRK	20	9901	DieselExhPM	1.10E-01	0.00E+00
HY04_TRK	21	9901	DieselExhPM	1.10E-01	0.00E+00
HY05_TRK	22	9901	DieselExhPM	9.80E-02	0.00E+00
HY06_TRK	23	9901	DieselExhPM	9.83E-02	0.00E+00
PEN5_TRK	24	9901	DieselExhPM	6.36E-02	0.00E+00
PEN6_TRK	25	9901	DieselExhPM	6.38E-02	0.00E+00
PEN1	4	75070	Acetaldehyde	6.71E-03	7.66E-07
PEN1	4	107028	Acrolein	3.11E-03	3.56E-07
PEN1	4	71432	Benzene	5.92E-02	
PEN1	4	106990	1,3-Butadiene	1.32E-02	1.50E-06
PEN1	4	100414	Ethylbenzene	2.52E-02	2.87E-06
PEN1	4	50000	Formaldehyde	3.79E-02	4.32E-06
PEN1	4	110543	Hexane	3.83E-02	4.38E-06
PEN1	4	67561	Methanol	2.88E-03	3.28E-07
PEN1	4		Methyl Ethyl Ketone	4.79E-04	5.47E-08
PEN1	4	91203	Naphthalene	1.20E-03	1.37E-07
PEN1	4	115071	Propylene	7.33E-02	8.37E-06
PEN1	4	100425	Styrene	2.88E-03	3.28E-07
PEN1	4		Toluene	1.38E-01	
PEN1	4	1330207	3	1.15E-01	1.31E-05
COR2	5	75070	Acetaldehyde	8.52E-03	9.73E-07
COR2	5	107028	Acrolein	3.96E-03	4.52E-07
COR2	5		Benzene	7.52E-02	8.58E-06
COR2	5	106990	1,3-Butadiene	1.67E-02	
COR2	5	100414	Ethylbenzene	3.20E-02	3.65E-06

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COR2	5	50000	Formaldehyde	4.81E-02	5.49E-06
COR2	5	110543	Hexane	4.87E-02	5.56E-06
COR2	5	67561	Methanol	3.65E-03	4.17E-07
COR2	5	78933	Methyl Ethyl Ketone	6.09E-04	6.95E-08
COR2	5		Naphthalene	1.52E-03	1.74E-07
COR2	5		Propylene	9.31E-02	1.06E-05
COR2	5		Styrene	3.65E-03	4.17E-07
COR2	5		Toluene	1.75E-01	2.00E-05
COR2	5	1330207		1.46E-01	1.67E-05
PEN2	6		Acetaldehyde	4.14E-03	4.73E-07
PEN2	6		Acrolein	1.92E-03	2.20E-07
PEN2	6		Benzene	3.65E-02	4.17E-06
PEN2	6		1,3-Butadiene	8.14E-03	9.29E-07
PEN2	6		Ethylbenzene	1.55E-02	1.77E-06
PEN2	6		Formaldehyde	2.34E-02	2.67E-06
PEN2	6		Hexane	2.34L-02 2.37E-02	2.70E-06
PEN2	6		Methanol	1.78E-03	2.70E-00 2.03E-07
PEN2	6		Methyl Ethyl Ketone	2.96E-04	3.38E-08
PEN2	6		Naphthalene	7.40E-04	8.45E-08
PEN2	6		Propylene	4.53E-02	5.17E-06
PEN2	6			1.78E-03	2.03E-07
PEN2	6		Styrene Toluene	8.52E-02	9.73E-06
PEN2	6			7.10E-02	8.11E-06
PEN3	7	1330207	Acetaldehyde	3.47E-03	3.97E-07
PEN3	7		Acrolein	1.61E-03	1.84E-07
PEN3	7		Benzene	3.06E-02	3.50E-06
PEN3	7		1,3-Butadiene	6.82E-03	7.79E-07
PEN3	7		Ethylbenzene	1.30E-02	1.49E-06
PEN3	7		Formaldehyde	1.96E-02	2.24E-06
PEN3	7		Hexane	1.90E-02 1.99E-02	2.24E-06 2.27E-06
PEN3	7		Methanol	1.49E-02	
PEN3	7		Methyl Ethyl Ketone	2.48E-04	
PEN3	7		Naphthalene	6.20E-04	7.08E-08
PEN3	7		Propylene	3.80E-02	4.33E-06
PEN3	7		Styrene	1.49E-03	4.33E-06 1.70E-07
PEN3	7		Toluene	7.15E-02	8.16E-06
PEN3	7	1330207		5.96E-02	6.80E-06
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PEN4 PEN4			Accetaldehyde	3.48E-03	3.98E-07
	8		Acrolein	1.62E-03	1.85E-07
PEN4	8		Benzene	3.07E-02	3.51E-06
PEN4	8		1,3-Butadiene	6.85E-03	7.81E-07
PEN4	8		Ethylbenzene	1.31E-02	1.49E-06
PEN4	8		Formaldehyde	1.97E-02	2.24E-06
PEN4	8		Hexane	1.99E-02	2.27E-06
PEN4	8		Methanol	1.49E-03	1.70E-07
PEN4	8		Methyl Ethyl Ketone	2.49E-04	2.84E-08
PEN4	8	91203	Naphthalene	6.22E-04	7.10E-08

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PEN4	8		Propylene	3.81E-02	4.35E-06
PEN4	8		Styrene	1.49E-03	1.70E-07
PEN4	8		Toluene	7.17E-02	8.18E-06
PEN4	8	1330207	,	5.97E-02	6.82E-06
HY03	9		Acetaldehyde	6.83E-03	7.79E-07
HY03	9	107028	Acrolein	3.17E-03	3.62E-07
HY03	9	71432	Benzene	6.02E-02	6.87E-06
HY03	9		1,3-Butadiene	1.34E-02	1.53E-06
HY03	9	100414	Ethylbenzene	2.56E-02	2.92E-06
HY03	9	50000	Formaldehyde	3.85E-02	4.40E-06
HY03	9	110543	Hexane	3.90E-02	4.45E-06
HY03	9	67561	Methanol	2.93E-03	3.34E-07
HY03	9	78933	Methyl Ethyl Ketone	4.88E-04	5.57E-08
HY03	9	91203	Naphthalene	1.22E-03	1.39E-07
HY03	9	115071	Propylene	7.46E-02	8.52E-06
HY03	9	100425	Styrene	2.93E-03	3.34E-07
HY03	9	108883	Toluene	1.40E-01	1.60E-05
HY03	9	1330207	Xylenes	1.17E-01	1.34E-05
HY04	10	75070	Acetaldehyde	6.85E-03	7.81E-07
HY04	10	107028	Acrolein	3.18E-03	3.63E-07
HY04	10	71432	Benzene	6.04E-02	6.89E-06
HY04	10	106990	1,3-Butadiene	1.34E-02	1.53E-06
HY04	10	100414	Ethylbenzene	2.57E-02	2.93E-06
HY04	10	50000	Formaldehyde	3.86E-02	4.41E-06
HY04	10	110543	Hexane	3.91E-02	4.47E-06
HY04	10	67561	Methanol	2.93E-03	3.35E-07
HY04	10	78933	Methyl Ethyl Ketone	4.89E-04	5.58E-08
HY04	10		Naphthalene	1.22E-03	1.40E-07
HY04	10		Propylene	7.48E-02	8.54E-06
HY04	10	100425	Styrene	2.93E-03	3.35E-07
HY04	10	108883	Toluene	1.41E-01	1.61E-05
HY04	10	1330207		1.17E-01	1.34E-05
HY05	11	75070	Acetaldehyde	6.10E-03	6.96E-07
HY05	11	107028	Acrolein	2.83E-03	3.23E-07
HY05	11		Benzene	5.38E-02	6.14E-06
HY05	11	106990	1,3-Butadiene	1.20E-02	1.37E-06
HY05	11		Ethylbenzene	2.29E-02	2.61E-06
HY05	11		Formaldehyde	3.44E-02	3.93E-06
HY05	11		Hexane	3.48E-02	3.98E-06
HY05	11		Methanol	2.61E-03	2.98E-07
HY05	11		Methyl Ethyl Ketone	4.35E-04	4.97E-08
HY05	11		Naphthalene	1.09E-03	1.24E-07
HY05	11		Propylene	6.66E-02	7.61E-06
HY05	11		Styrene	2.61E-03	2.98E-07
HY05	11		Toluene	1.25E-01	1.43E-05
HY05	11	1330207	•	1.05E-01	1.19E-05
HY06	12	75070	Acetaldehyde	6.12E-03	6.98E-07

HY06						
HY06	HY06	12	107028	Acrolein	2.84E-03	3.24E-07
HY06	HY06	12	71432	Benzene	5.39E-02	6.16E-06
HY06	HY06	12	106990	1,3-Butadiene	1.20E-02	1.37E-06
HY06	HY06	12	100414	Ethylbenzene	2.29E-02	2.62E-06
HY06	HY06	12	50000	Formaldehyde	3.45E-02	3.94E-06
HY06 12 78933 Methyl Ethyl Ketone 4.37E-04 4.99E-08 HY06 12 91203 Naphthalene 1.09E-03 1.25E-07 HY06 12 115071 Propylene 6.68E-02 7.63E-06 HY06 12 100425 Styrene 2.62E-03 2.99E-07 HY06 12 108883 Toluene 1.26E-01 1.44E-03 HY06 12 1330207 Xylenes 1.05E-01 1.42E-05 PEN5 13 75070 Acetaldehyde 3.96E-03 4.52E-07 PEN5 13 107028 Acrolein 1.84E-03 2.10E-07 PEN5 13 107028 Acrolein 1.84E-03 2.10E-07 PEN5 13 106990 1,3-Butadiene 7.78E-03 8.88E-07 PEN5 13 100414 Ethylbenzene 1.48E-02 1.69E-06 PEN5 13 100414 Ethylbenzene 1.48E-02 1.69E-06 PEN5 13 <t< td=""><td>HY06</td><td>12</td><td>110543</td><td>Hexane</td><td>3.49E-02</td><td>3.99E-06</td></t<>	HY06	12	110543	Hexane	3.49E-02	3.99E-06
HY06	HY06	12	67561	Methanol	2.62E-03	2.99E-07
HY06 12 115071 Propylene 6.68E-02 7.63E-06 HY06 12 100425 Styrene 2.62E-03 2.99E-07 HY06 12 108883 Toluene 1.26E-01 1.44E-05 HY06 12 1330207 Xylenes 1.05E-01 1.20E-05 PEN5 13 75070 Acetaldehyde 3.96E-03 4.52E-07 PEN5 13 107028 Acrolein 1.84E-03 2.10E-07 PEN5 13 107028 Acrolein 1.84E-03 2.10E-07 PEN5 13 107028 Acrolein 1.84E-03 2.10E-07 PEN5 13 106990 1,3-Butadiene 7.78E-03 8.88E-07 PEN5 13 100414 Ethylbenzene 1.48E-02 1.69E-06 PEN5 13 100414 Ethylbenzene 1.48E-02 1.69E-06 PEN5 13 110543 Hexane 2.26E-02 2.58E-06 PEN5 13 170544	HY06	12	78933	Methyl Ethyl Ketone	4.37E-04	4.99E-08
HY06	HY06	12			1.09E-03	1.25E-07
HY06 12 108883 Toluene 1.26E-01 1.44E-05 HY06 12 1330207 Xylenes 1.05E-01 1.20E-05 PEN5 13 75070 Acetaldehyde 3.96E-03 4.52E-07 PEN5 13 107028 Acrolein 1.84E-03 2.10E-07 PEN5 13 107028 Acrolein 1.84E-03 2.10E-07 PEN5 13 106990 1,3-Butadiene 7.78E-03 8.88E-07 PEN5 13 100414 Ethylbenzene 1.48E-02 1.69E-06 PEN5 13 100414 Ethylbenzene 1.48E-02 2.55E-06 PEN5 13 100414 Ethylbenzene 1.48E-02 2.55E-06 PEN5 13 100414 Ethylbenzene 1.48E-02 2.55E-06 PEN5 13 100414 Ethylbenzene 2.26E-02 2.55E-06 PEN5 13 10543 Hexane 2.26E-02 2.55E-06 PEN5 13 1	HY06	12	115071	Propylene	6.68E-02	7.63E-06
HY06 12 1330207 Xylenes 1.05E-01 1.20E-05 PEN5 13 75070 Acetaldehyde 3.96E-03 4.52E-07 PEN5 13 107028 Acrolein 1.84E-03 2.10E-07 PEN5 13 71432 Benzene 3.49E-02 3.99E-06 PEN5 13 106990 1,3-Butadiene 7.78E-03 8.88E-07 PEN5 13 100414 Ethylbenzene 1.48E-02 1.69E-06 PEN5 13 100414 Ethylbenzene 1.70E-03 8.88E-07 PEN5 13 110543 Hexane 2.26E-02 2.55E-06 PEN5 13 78933 Methyl Ethyl Ketone 2.83E-04 3.23E-08 PEN5 13	HY06	12	100425	Styrene	2.62E-03	2.99E-07
PEN5 13 75070 Acetaldehyde 3.96E-03 4.52E-07 PEN5 13 107028 Acrolein 1.84E-03 2.10E-07 PEN5 13 71432 Benzene 3.49E-02 3.99E-06 PEN5 13 106990 1,3-Butadiene 7.78E-03 8.88E-07 PEN5 13 100414 Ethylbenzene 1.48E-02 1.69E-06 PEN5 13 50000 Formaldehyde 2.23E-02 2.55E-06 PEN5 13 50000 Formaldehyde 2.23E-02 2.55E-06 PEN5 13 110543 Hexane 2.26E-02 2.58E-06 PEN5 13 67561 Methanol 1.70E-03 1.94E-07 PEN5 13 78933 Methyl Ethyl Ketone 2.83E-04 3.23E-08 PEN5 13 91203 Naphthalene 7.07E-04 8.07E-08 PEN5 13 10425 Styrene 1.70E-03 1.94E-07 PEN5 13 10425 Styrene 1.70E-03 1.94E-07 PEN5 13 108883 Toluene 8.14E-02 9.30	HY06	12	108883	Toluene	1.26E-01	1.44E-05
PEN5 13 107028 Acrolein 1.84E-03 2.10E-07 PEN5 13 71432 Benzene 3.49E-02 3.99E-06 PEN5 13 106990 1,3-Butadiene 7.78E-03 8.88E-07 PEN5 13 100414 Ethylbenzene 1.48E-02 1.69E-06 PEN5 13 50000 Formaldehyde 2.23E-02 2.55E-06 PEN5 13 110543 Hexane 2.26E-02 2.58E-06 PEN5 13 67561 Methanol 1.70E-03 1.94E-07 PEN5 13 78933 Methyl Ethyl Ketone 2.83E-04 3.23E-08 PEN5 13 91203 Naphthalene 7.07E-04 8.07E-08 PEN5 13 115071 Propylene 4.33E-02 4.94E-06 PEN5 13 100425 Styrene 1.70E-03 1.94E-07 PEN5 13 108883 Toluene 8.14E-02 9.30E-06 PEN6 14 75070 Acetaldehyde 3.97E-03 4.53E-07 PEN6 14 107028 Acrolein 1.84E-03 2.1	HY06	12	1330207	Xylenes	1.05E-01	1.20E-05
PEN5 13 71432 Benzene 3.49E-02 3.99E-06 PEN5 13 106990 1,3-Butadiene 7.78E-03 8.88E-07 PEN5 13 100414 Ethylbenzene 1.48E-02 1.69E-06 PEN5 13 50000 Formaldehyde 2.23E-02 2.55E-06 PEN5 13 110543 Hexane 2.26E-02 2.58E-06 PEN5 13 67561 Methanol 1.70E-03 1.94E-07 PEN5 13 78933 Methyl Ethyl Ketone 2.83E-04 3.23E-08 PEN5 13 78933 Methyl Ethyl Ketone 2.83E-04 3.23E-08 PEN5 13 79203 Naphthalene 7.07E-04 8.07E-08 PEN5 13 115071 Propylene 4.33E-02 4.94E-06 PEN5 13 100425 Styrene 1.70E-03 1.94E-07 PEN5 13 108883 Toluene 8.14E-02 9.30E-06 PEN6 14 <	PEN5	13	75070	Acetaldehyde	3.96E-03	4.52E-07
PEN5 13 106990 1,3-Butadiene 7.78E-03 8.88E-07 PEN5 13 100414 Ethylbenzene 1.48E-02 1.69E-06 PEN5 13 50000 Formaldehyde 2.23E-02 2.55E-06 PEN5 13 110543 Hexane 2.26E-02 2.58E-06 PEN5 13 67561 Methanol 1.70E-03 1.94E-07 PEN5 13 78933 Methyl Ethyl Ketone 2.83E-04 3.23E-08 PEN5 13 91203 Naphthalene 7.07E-04 8.07E-08 PEN5 13 115071 Propylene 4.33E-02 4.94E-06 PEN5 13 100425 Styrene 1.70E-03 1.94E-07 PEN5 13 108883 Toluene 8.14E-02 9.30E-06 PEN5 13 1330207 Xylenes 6.79E-02 7.75E-06 PEN6 14 75070 Acetaldehyde 3.97E-03 4.53E-07 PEN6 14 10	PEN5	13	107028	Acrolein	1.84E-03	2.10E-07
PEN5 13 100414 Ethylbenzene 1.48E-02 1.69E-06 PEN5 13 50000 Formaldehyde 2.23E-02 2.55E-06 PEN5 13 110543 Hexane 2.26E-02 2.58E-06 PEN5 13 67561 Methanol 1.70E-03 1.94E-07 PEN5 13 78933 Methyl Ethyl Ketone 2.83E-04 3.23E-08 PEN5 13 91203 Naphthalene 7.07E-04 8.07E-08 PEN5 13 115071 Propylene 4.33E-02 4.94E-06 PEN5 13 100425 Styrene 1.70E-03 1.94E-07 PEN5 13 108883 Toluene 8.14E-02 9.30E-06 PEN5 13 1330207 Xylenes 6.79E-02 7.75E-06 PEN6 14 75070 Acetaldehyde 3.97E-03 4.53E-07 PEN6 14 107028 Acrolein 1.84E-03 2.10E-07 PEN6 14 106990<	PEN5	13	71432	Benzene	3.49E-02	3.99E-06
PEN5 13 50000 Formaldehyde 2.23E-02 2.55E-06 PEN5 13 110543 Hexane 2.26E-02 2.58E-06 PEN5 13 67561 Methanol 1.70E-03 1.94E-07 PEN5 13 78933 Methyl Ethyl Ketone 2.83E-04 3.23E-08 PEN5 13 91203 Naphthalene 7.07E-04 8.07E-08 PEN5 13 115071 Propylene 4.33E-02 4.94E-06 PEN5 13 100425 Styrene 1.70E-03 1.94E-07 PEN5 13 108883 Toluene 8.14E-02 9.30E-06 PEN5 13 1330207 Xylenes 6.79E-02 7.75E-06 PEN6 14 75070 Acetaldehyde 3.97E-03 4.53E-07 PEN6 14 107028 Acrolein 1.84E-03 2.10E-07 PEN6 14 71432 Benzene 3.50E-02 4.00E-06 PEN6 14 106990 1,3-Butadiene 7.80E-03 8.90E-07 PEN6 14 100414 Ethylbenzene 1.49E-02 1.7	PEN5	13	106990	1,3-Butadiene	7.78E-03	8.88E-07
PEN5 13 110543 Hexane 2.26E-02 2.58E-06 PEN5 13 67561 Methanol 1.70E-03 1.94E-07 PEN5 13 78933 Methyl Ethyl Ketone 2.83E-04 3.23E-08 PEN5 13 91203 Naphthalene 7.07E-04 8.07E-08 PEN5 13 115071 Propylene 4.33E-02 4.94E-06 PEN5 13 100425 Styrene 1.70E-03 1.94E-07 PEN5 13 108883 Toluene 8.14E-02 9.30E-06 PEN5 13 1330207 Xylenes 6.79E-02 7.75E-06 PEN6 14 75070 Acetaldehyde 3.97E-03 4.53E-07 PEN6 14 107028 Acrolein 1.84E-03 2.10E-07 PEN6 14 107028 Acrolein 1.84E-03 2.10E-07 PEN6 14 106990 1,3-Butadiene 7.80E-03 8.90E-07 PEN6 14 100414 Ethylbenzene 1.49E-02 1.70E-06 PEN6 14 100414 Ethylbenzene 1.49E-02	PEN5	13	100414	Ethylbenzene	1.48E-02	1.69E-06
PEN5 13 67561 Methanol 1.70E-03 1.94E-07 PEN5 13 78933 Methyl Ethyl Ketone 2.83E-04 3.23E-08 PEN5 13 91203 Naphthalene 7.07E-04 8.07E-08 PEN5 13 115071 Propylene 4.33E-02 4.94E-06 PEN5 13 100425 Styrene 1.70E-03 1.94E-07 PEN5 13 108883 Toluene 8.14E-02 9.30E-06 PEN5 13 1330207 Xylenes 6.79E-02 7.75E-06 PEN6 14 75070 Acetaldehyde 3.97E-03 4.53E-07 PEN6 14 107028 Acrolein 1.84E-03 2.10E-07 PEN6 14 107028 Acrolein 1.84E-03 2.10E-07 PEN6 14 106990 1,3-Butadiene 7.80E-03 8.90E-07 PEN6 14 100414 Ethylbenzene 1.49E-02 1.70E-06 PEN6 14 50000 Formaldehyde 2.24E-02 2.56E-06 PEN6 14 67561 Methanol 1.70E-03	PEN5	13	50000	Formaldehyde	2.23E-02	2.55E-06
PEN5 13 78933 Methyl Ethyl Ketone 2.83E-04 3.23E-08 PEN5 13 91203 Naphthalene 7.07E-04 8.07E-08 PEN5 13 115071 Propylene 4.33E-02 4.94E-08 PEN5 13 100425 Styrene 1.70E-03 1.94E-07 PEN5 13 108883 Toluene 8.14E-02 9.30E-06 PEN5 13 1330207 Xylenes 6.79E-02 7.75E-06 PEN6 14 75070 Acetaldehyde 3.97E-03 4.53E-07 PEN6 14 107028 Acrolein 1.84E-03 2.10E-07 PEN6 14 107028 Acrolein 1.84E-03 2.10E-07 PEN6 14 106990 1,3-Butadiene 3.50E-02 4.00E-06 PEN6 14 106990 1,3-Butadiene 1.49E-02 1.70E-06 PEN6 14 50000 Formaldehyde 2.24E-02 2.56E-06 PEN6 14 <t< td=""><td>PEN5</td><td>13</td><td>110543</td><td>Hexane</td><td>2.26E-02</td><td>2.58E-06</td></t<>	PEN5	13	110543	Hexane	2.26E-02	2.58E-06
PEN5 13 91203 Naphthalene 7.07E-04 8.07E-08 PEN5 13 115071 Propylene 4.33E-02 4.94E-06 PEN5 13 100425 Styrene 1.70E-03 1.94E-07 PEN5 13 108883 Toluene 8.14E-02 9.30E-06 PEN5 13 1330207 Xylenes 6.79E-02 7.75E-06 PEN6 14 75070 Acetaldehyde 3.97E-03 4.53E-07 PEN6 14 107028 Acrolein 1.84E-03 2.10E-07 PEN6 14 107028 Acrolein 1.84E-03 2.10E-07 PEN6 14 107028 Acrolein 1.84E-03 2.10E-07 PEN6 14 106990 1,3-Butadiene 7.80E-03 8.90E-07 PEN6 14 100414 Ethylbenzene 1.49E-02 1.70E-06 PEN6 14 50000 Formaldehyde 2.24E-02 2.56E-06 PEN6 14 67561 <td>PEN5</td> <td>13</td> <td></td> <td></td> <td>1.70E-03</td> <td>1.94E-07</td>	PEN5	13			1.70E-03	1.94E-07
PEN5 13 115071 Propylene 4.33E-02 4.94E-06 PEN5 13 100425 Styrene 1.70E-03 1.94E-07 PEN5 13 108883 Toluene 8.14E-02 9.30E-06 PEN5 13 1330207 Xylenes 6.79E-02 7.75E-06 PEN6 14 75070 Acetaldehyde 3.97E-03 4.53E-07 PEN6 14 107028 Acrolein 1.84E-03 2.10E-07 PEN6 14 107028 Acrolein 1.84E-03 2.10E-07 PEN6 14 106990 1,3-Butadiene 3.50E-02 4.00E-06 PEN6 14 106990 1,3-Butadiene 7.80E-03 8.90E-07 PEN6 14 100414 Ethylbenzene 1.49E-02 1.70E-06 PEN6 14 50000 Formaldehyde 2.24E-02 2.56E-06 PEN6 14 10543 Hexane 2.27E-02 2.59E-06 PEN6 14 78933 <td>PEN5</td> <td>13</td> <td>78933</td> <td>Methyl Ethyl Ketone</td> <td>2.83E-04</td> <td>3.23E-08</td>	PEN5	13	78933	Methyl Ethyl Ketone	2.83E-04	3.23E-08
PEN5 13 100425 Styrene 1.70E-03 1.94E-07 PEN5 13 108883 Toluene 8.14E-02 9.30E-06 PEN5 13 1330207 Xylenes 6.79E-02 7.75E-06 PEN6 14 75070 Acetaldehyde 3.97E-03 4.53E-07 PEN6 14 107028 Acrolein 1.84E-03 2.10E-07 PEN6 14 107028 Acrolein 1.84E-03 2.10E-07 PEN6 14 107028 Acrolein 1.84E-03 2.10E-07 PEN6 14 106990 1,3-Butadiene 7.80E-03 8.90E-07 PEN6 14 100414 Ethylbenzene 1.49E-02 1.70E-06 PEN6 14 50000 Formaldehyde 2.24E-02 2.56E-06 PEN6 14 110543 Hexane 2.27E-02 2.59E-06 PEN6 14 78933 Methyl Ethyl Ketone 2.84E-04 3.24E-08 PEN6 14 9120	PEN5	13	91203	Naphthalene	7.07E-04	8.07E-08
PEN5 13 108883 Toluene 8.14E-02 9.30E-06 PEN5 13 1330207 Xylenes 6.79E-02 7.75E-06 PEN6 14 75070 Acetaldehyde 3.97E-03 4.53E-07 PEN6 14 107028 Acrolein 1.84E-03 2.10E-07 PEN6 14 71432 Benzene 3.50E-02 4.00E-06 PEN6 14 106990 1,3-Butadiene 7.80E-03 8.90E-07 PEN6 14 100414 Ethylbenzene 1.49E-02 1.70E-06 PEN6 14 100414 Ethylbenzene 1.49E-02 2.56E-06 PEN6 14 110543 Hexane 2.27E-02 2.56E-06 PEN6 14 67561 Methanol 1.70E-03 1.94E-07 PEN6 14 78933 Methyl Ethyl Ketone 2.84E-04 3.24E-08 PEN6 14 91203 Naphthalene 7.09E-04 8.09E-08 PEN6 14 115	PEN5	13			4.33E-02	4.94E-06
PEN5 13 1330207 Xylenes 6.79E-02 7.75E-06 PEN6 14 75070 Acetaldehyde 3.97E-03 4.53E-07 PEN6 14 107028 Acrolein 1.84E-03 2.10E-07 PEN6 14 71432 Benzene 3.50E-02 4.00E-06 PEN6 14 106990 1,3-Butadiene 7.80E-03 8.90E-07 PEN6 14 100414 Ethylbenzene 1.49E-02 1.70E-06 PEN6 14 50000 Formaldehyde 2.24E-02 2.56E-06 PEN6 14 110543 Hexane 2.27E-02 2.59E-06 PEN6 14 67561 Methanol 1.70E-03 1.94E-07 PEN6 14 78933 Methyl Ethyl Ketone 2.84E-04 3.24E-08 PEN6 14 91203 Naphthalene 7.09E-04 8.09E-08 PEN6 14 115071 Propylene 4.34E-02 4.95E-06 PEN6 14 10	PEN5	13	100425	Styrene	1.70E-03	1.94E-07
PEN6 14 75070 Acetaldehyde 3.97E-03 4.53E-07 PEN6 14 107028 Acrolein 1.84E-03 2.10E-07 PEN6 14 71432 Benzene 3.50E-02 4.00E-06 PEN6 14 106990 1,3-Butadiene 7.80E-03 8.90E-07 PEN6 14 100414 Ethylbenzene 1.49E-02 1.70E-06 PEN6 14 50000 Formaldehyde 2.24E-02 2.56E-06 PEN6 14 110543 Hexane 2.27E-02 2.59E-06 PEN6 14 67561 Methanol 1.70E-03 1.94E-07 PEN6 14 78933 Methyl Ethyl Ketone 2.84E-04 3.24E-08 PEN6 14 91203 Naphthalene 7.09E-04 8.09E-08 PEN6 14 115071 Propylene 4.34E-02 4.95E-06 PEN6 14 100425 Styrene 1.70E-03 1.94E-07 PEN6 14 108	PEN5	13	108883	Toluene	8.14E-02	9.30E-06
PEN6 14 107028 Acrolein 1.84E-03 2.10E-07 PEN6 14 71432 Benzene 3.50E-02 4.00E-06 PEN6 14 106990 1,3-Butadiene 7.80E-03 8.90E-07 PEN6 14 100414 Ethylbenzene 1.49E-02 1.70E-06 PEN6 14 50000 Formaldehyde 2.24E-02 2.56E-06 PEN6 14 110543 Hexane 2.27E-02 2.59E-06 PEN6 14 67561 Methanol 1.70E-03 1.94E-07 PEN6 14 78933 Methyl Ethyl Ketone 2.84E-04 3.24E-08 PEN6 14 91203 Naphthalene 7.09E-04 8.09E-08 PEN6 14 115071 Propylene 4.34E-02 4.95E-06 PEN6 14 100425 Styrene 1.70E-03 1.94E-07 PEN6 14 108883 Toluene 8.17E-02 9.33E-06	PEN5	13	1330207	Xylenes	6.79E-02	7.75E-06
PEN6 14 71432 Benzene 3.50E-02 4.00E-06 PEN6 14 106990 1,3-Butadiene 7.80E-03 8.90E-07 PEN6 14 100414 Ethylbenzene 1.49E-02 1.70E-06 PEN6 14 50000 Formaldehyde 2.24E-02 2.56E-06 PEN6 14 110543 Hexane 2.27E-02 2.59E-06 PEN6 14 67561 Methanol 1.70E-03 1.94E-07 PEN6 14 78933 Methyl Ethyl Ketone 2.84E-04 3.24E-08 PEN6 14 91203 Naphthalene 7.09E-04 8.09E-08 PEN6 14 115071 Propylene 4.34E-02 4.95E-06 PEN6 14 100425 Styrene 1.70E-03 1.94E-07 PEN6 14 108883 Toluene 8.17E-02 9.33E-06	PEN6	14	75070	Acetaldehyde	3.97E-03	4.53E-07
PEN6 14 106990 1,3-Butadiene 7.80E-03 8.90E-07 PEN6 14 100414 Ethylbenzene 1.49E-02 1.70E-06 PEN6 14 50000 Formaldehyde 2.24E-02 2.56E-06 PEN6 14 110543 Hexane 2.27E-02 2.59E-06 PEN6 14 67561 Methanol 1.70E-03 1.94E-07 PEN6 14 78933 Methyl Ethyl Ketone 2.84E-04 3.24E-08 PEN6 14 91203 Naphthalene 7.09E-04 8.09E-08 PEN6 14 115071 Propylene 4.34E-02 4.95E-06 PEN6 14 100425 Styrene 1.70E-03 1.94E-07 PEN6 14 108883 Toluene 8.17E-02 9.33E-06	PEN6	14	107028	Acrolein	1.84E-03	2.10E-07
PEN6 14 100414 Ethylbenzene 1.49E-02 1.70E-06 PEN6 14 50000 Formaldehyde 2.24E-02 2.56E-06 PEN6 14 110543 Hexane 2.27E-02 2.59E-06 PEN6 14 67561 Methanol 1.70E-03 1.94E-07 PEN6 14 78933 Methyl Ethyl Ketone 2.84E-04 3.24E-08 PEN6 14 91203 Naphthalene 7.09E-04 8.09E-08 PEN6 14 115071 Propylene 4.34E-02 4.95E-06 PEN6 14 100425 Styrene 1.70E-03 1.94E-07 PEN6 14 108883 Toluene 8.17E-02 9.33E-06	PEN6				3.50E-02	4.00E-06
PEN6 14 50000 Formaldehyde 2.24E-02 2.56E-06 PEN6 14 110543 Hexane 2.27E-02 2.59E-06 PEN6 14 67561 Methanol 1.70E-03 1.94E-07 PEN6 14 78933 Methyl Ethyl Ketone 2.84E-04 3.24E-08 PEN6 14 91203 Naphthalene 7.09E-04 8.09E-08 PEN6 14 115071 Propylene 4.34E-02 4.95E-06 PEN6 14 100425 Styrene 1.70E-03 1.94E-07 PEN6 14 108883 Toluene 8.17E-02 9.33E-06	PEN6	14			7.80E-03	8.90E-07
PEN6 14 110543 Hexane 2.27E-02 2.59E-06 PEN6 14 67561 Methanol 1.70E-03 1.94E-07 PEN6 14 78933 Methyl Ethyl Ketone 2.84E-04 3.24E-08 PEN6 14 91203 Naphthalene 7.09E-04 8.09E-08 PEN6 14 115071 Propylene 4.34E-02 4.95E-06 PEN6 14 100425 Styrene 1.70E-03 1.94E-07 PEN6 14 108883 Toluene 8.17E-02 9.33E-06		14				1.70E-06
PEN6 14 67561 Methanol 1.70E-03 1.94E-07 PEN6 14 78933 Methyl Ethyl Ketone 2.84E-04 3.24E-08 PEN6 14 91203 Naphthalene 7.09E-04 8.09E-08 PEN6 14 115071 Propylene 4.34E-02 4.95E-06 PEN6 14 100425 Styrene 1.70E-03 1.94E-07 PEN6 14 108883 Toluene 8.17E-02 9.33E-06	PEN6	14	50000	Formaldehyde		2.56E-06
PEN6 14 78933 Methyl Ethyl Ketone 2.84E-04 3.24E-08 PEN6 14 91203 Naphthalene 7.09E-04 8.09E-08 PEN6 14 115071 Propylene 4.34E-02 4.95E-06 PEN6 14 100425 Styrene 1.70E-03 1.94E-07 PEN6 14 108883 Toluene 8.17E-02 9.33E-06	PEN6	14	110543	Hexane	2.27E-02	2.59E-06
PEN6 14 91203 Naphthalene 7.09E-04 8.09E-08 PEN6 14 115071 Propylene 4.34E-02 4.95E-06 PEN6 14 100425 Styrene 1.70E-03 1.94E-07 PEN6 14 108883 Toluene 8.17E-02 9.33E-06	PEN6	14	67561	Methanol	1.70E-03	1.94E-07
PEN6 14 115071 Propylene 4.34E-02 4.95E-06 PEN6 14 100425 Styrene 1.70E-03 1.94E-07 PEN6 14 108883 Toluene 8.17E-02 9.33E-06	PEN6	14		, ,	2.84E-04	3.24E-08
PEN6 14 100425 Styrene 1.70E-03 1.94E-07 PEN6 14 108883 Toluene 8.17E-02 9.33E-06		14	91203	Naphthalene	7.09E-04	8.09E-08
PEN6 14 108883 Toluene 8.17E-02 9.33E-06	PEN6	14	115071	Propylene	4.34E-02	4.95E-06
		14	100425	Styrene	_	1.94E-07
PEN6 14 1330207 Xvlenes 6.81F-02 7.77F-06	PEN6			Toluene	8.17E-02	9.33E-06
1.1 1.000=0. [1.1712.00	PEN6	14	1330207	Xylenes	6.81E-02	7.77E-06

HARP2 Emission Inputs (Mitigated)

HARP2 Emission In	ıputs (Mitiga	ited)		T 00	10F
SRC ID	SRC No.	CAS	Pollutant	-)25
CONICT DUACES		0001	DiagolfyhDM	lb/yr	lb/hr
CONST_PHASE1	2		DieselExhPM	1.40E+01	
PEN1	4		DieselExhPM	1.87E-01	
COR2	5		DieselExhPM	2.37E-01	
PEN2	6		DieselExhPM	1.15E-01	
PEN3	7		DieselExhPM	9.66E-02	
PEN4	8		DieselExhPM	9.69E-02	
HY03	9		DieselExhPM	1.90E-01	
HY04	10		DieselExhPM	1.90E-01	
HY05	11		DieselExhPM	1.70E-01	
HY06	12		DieselExhPM	1.70E-01	
PEN5	13		DieselExhPM	1.10E-01	
PEN6	14		DieselExhPM	1.10E-01	0.00E+00
PEN1_TRK	15		DieselExhPM	1.91E-01	
COR2_TRK	16		DieselExhPM	2.42E-01	
PEN2_TRK	17	9901	DieselExhPM	1.18E-01	0.00E+00
PEN3_TRK	18	9901	DieselExhPM	9.88E-02	0.00E+00
PEN4_TRK	19	9901	DieselExhPM	9.91E-02	0.00E+00
HY03_TRK	20	9901	DieselExhPM	1.94E-01	0.00E+00
HY04_TRK	21	9901	DieselExhPM	1.95E-01	0.00E+00
HY05_TRK	22	9901	DieselExhPM	1.73E-01	0.00E+00
HY06_TRK	23	9901	DieselExhPM	1.74E-01	0.00E+00
PEN5_TRK	24	9901	DieselExhPM	1.13E-01	0.00E+00
PEN6_TRK	25	9901	DieselExhPM	1.13E-01	0.00E+00
PEN1	4	75070	Acetaldehyde	1.00E-02	1.14E-06
PEN1	4	107028	Acrolein	4.65E-03	5.31E-07
PEN1	4	71432	Benzene	8.84E-02	1.01E-05
PEN1	4	106990	1,3-Butadiene	1.97E-02	2.25E-06
PEN1	4	100414	Ethylbenzene	3.76E-02	4.29E-06
PEN1	4		Formaldehyde	5.65E-02	6.45E-06
PEN1	4		Hexane	5.72E-02	
PEN1	4		Methanol	4.29E-03	
PEN1	4		Methyl Ethyl Ketone	7.15E-04	
PEN1	4		Naphthalene	1.79E-03	
PEN1	4		Propylene	1.09E-01	
PEN1	4		Styrene	4.29E-03	
PEN1	4		Toluene	2.06E-01	
PEN1	4	1330207		1.72E-01	1.96E-05
COR2	5		Acetaldehyde	1.27E-02	
COR2	5		Acrolein	5.91E-03	
COR2	5		Benzene	1.12E-01	1.28E-05
COR2	5		1,3-Butadiene	2.50E-02	
COR2	5		Ethylbenzene	4.77E-02	
COR2	5		Formaldehyde	7.18E-02	
COR2	5		Hexane	7.10E 02	
	J	110070	1.10Adilo	, . Z , L UZ	0.00L 00

COR2	5		Methanol	5.45E-03	6.22E-07
COR2	5	78933	Methyl Ethyl Ketone	9.09E-04	1.04E-07
COR2	5		Naphthalene	2.27E-03	2.59E-07
COR2	5	115071	Propylene	1.39E-01	1.59E-05
COR2	5		Styrene	5.45E-03	6.22E-07
COR2	5		Toluene	2.62E-01	2.99E-05
COR2	5	1330207		2.18E-01	2.49E-05
PEN2	6		Acetaldehyde	6.19E-03	7.06E-07
PEN2	6		Acrolein	2.87E-03	3.28E-07
PEN2	6		Benzene	5.46E-02	6.23E-06
PEN2	6		1,3-Butadiene	1.22E-02	1.39E-06
PEN2	6		Ethylbenzene	2.32E-02	2.65E-06
PEN2	6		Formaldehyde	3.49E-02	3.98E-06
PEN2	6		Hexane	3.53E-02	4.04E-06
PEN2	6		Methanol	2.65E-03	3.03E-07
PEN2	6		Methyl Ethyl Ketone	4.42E-04	5.04E-08
PEN2	6		Naphthalene	1.10E-03	1.26E-07
PEN2	6		Propylene	6.76E-02	7.72E-06
PEN2	6		Styrene	2.65E-03	3.03E-07
PEN2	6		Toluene	1.27E-01	1.45E-05
PEN2	6	1330207		1.06E-01	1.43E-05
PEN3	7		Acetaldehyde	5.19E-03	5.92E-07
PEN3	7		Acrolein	2.41E-03	2.75E-07
PEN3	7		Benzene	4.58E-02	5.22E-06
PEN3	7		1,3-Butadiene	1.02E-02	1.16E-06
PEN3	7		Ethylbenzene	1.02E-02	2.22E-06
PEN3	7		Formaldehyde	2.93E-02	3.34E-06
PEN3	7		Hexane	2.96E-02	3.34L-00
PEN3	7		Methanol	2.40L-02 2.22E-03	2.54E-07
PEN3	7		Methyl Ethyl Ketone	3.71E-04	4.23E-08
PEN3	7		Naphthalene	9.26E-04	
PEN3	7		Propylene	5.67E-02	
PEN3	7		Styrene	2.22E-03	2.54E-07
PEN3	7		Toluene	1.07E-01	1.22E-05
PEN3	7	1330207		8.89E-02	1.02E-05
PEN3 PEN4	8		Acetaldehyde	5.20E-03	5.94E-07
PEN4	8		Acrolein	2.42E-03	2.76E-07
PEN4 PEN4	8		Benzene	4.59E-02	5.24E-06
	8		1,3-Butadiene	1.02E-02	1.17E-06
PEN4	8		Ethylbenzene Formaldabyda	1.95E-02	2.23E-06
PEN4	8		Formaldehyde	2.94E-02	3.35E-06
PEN4	8		Hexane	2.97E-02	3.39E-06
PEN4	8		Methanol	2.23E-03	2.55E-07
PEN4	8		Methyl Ethyl Ketone	3.72E-04	4.24E-08
PEN4	8		Naphthalene	9.29E-04	1.06E-07
PEN4	8		Propylene Styrene	5.69E-02	6.49E-06
PEN4	8	100425	Styrene	2.23E-03	2.55E-07

PEN4	8	108883	Toluene	1.07E-01	1.22E-05
PEN4	8	1330207	Xylenes	8.92E-02	1.02E-05
HY03	9	75070	Acetaldehyde	1.02E-02	1.16E-06
HY03	9		Acrolein	4.73E-03	5.40E-07
HY03	9		Benzene	8.99E-02	1.03E-05
HY03	9		1,3-Butadiene	2.00E-02	2.29E-06
HY03	9		Ethylbenzene	3.82E-02	4.36E-06
HY03	9		Formaldehyde	5.75E-02	6.56E-06
HY03	9		Hexane	5.82E-02	6.65E-06
HY03	9		Methanol	4.37E-03	4.99E-07
HY03	9		Methyl Ethyl Ketone	7.28E-04	8.31E-08
HY03	9		Naphthalene	1.82E-03	2.08E-07
HY03	9		Propylene	1.11E-01	1.27E-05
HY03	9		Styrene	4.37E-03	4.99E-07
HY03	9		Toluene	2.10E-01	2.39E-05
HY03	9	1330207		1.75E-01	1.99E-05
HY04	10		Acetaldehyde	1.73L-01 1.02E-02	1.17E-06
HY04	10		Acrolein	4.75E-03	5.42E-07
HY04	10		Benzene	9.02E-02	1.03E-05
HY04	10		1,3-Butadiene	2.01E-02	2.29E-06
HY04	10		Ethylbenzene	3.83E-02	4.38E-06
HY04	10		Formaldehyde	5.77E-02	6.58E-06
HY04	10		Hexane	5.77E-02 5.84E-02	6.67E-06
HY04	10		Methanol	4.38E-03	5.00E-07
HY04	10			7.30E-03	8.33E-08
HY04	10		Methyl Ethyl Ketone Naphthalene	1.83E-03	2.08E-07
HY04	10		Propylene	1.03E-03	1.28E-05
HY04	10		Styrene	4.38E-03	5.00E-07
HY04	10		Toluene	2.10E-01	2.40E-05
HY04	10	1330207		1.75E-01	2.40E-05 2.00E-05
HY05	11		Acetaldehyde	9.10E-03	
HY05	11		Acrolein	4.23E-03	
HY05	11		Benzene	8.03E-02	9.17E-06
HY05	11		1,3-Butadiene	1.79E-02	2.04E-06
HY05	11		Ethylbenzene	3.41E-02	3.90E-06
HY05	11		Formaldehyde	5.41E-02	5.86E-06
HY05	11		Hexane	5.14E-02 5.20E-02	5.94E-06
HY05	11		Methanol	3.90E-02	4.45E-07
HY05	11		Methyl Ethyl Ketone	6.50E-04	7.42E-08
HY05	11		Naphthalene	1.63E-03	1.86E-07
HY05	11		Propylene	9.95E-02	1.86E-07 1.14E-05
HY05	11		Styrene	3.90E-03	4.45E-05
HY05	11		, ,		
HY05	11		Toluene	1.87E-01	2.14E-05 1.78E-05
HY06	12	1330207	Acetaldehyde	1.56E-01 9.13E-03	
HY06	12				1.04E-06
HY06	12		Acrolein Benzene	4.24E-03 8.05E-02	4.84E-07 9.19E-06
птио	12	/ 1432	Delizelle	0.U3E-U2	7. I 7E-UO

HY06	12	106990	1,3-Butadiene	1.79E-02	2.05E-06
HY06	12		Ethylbenzene	3.42E-02	3.91E-06
HY06	12		Formaldehyde	5.15E-02	5.88E-06
HY06	12		Hexane	5.22E-02	5.96E-06
HY06	12		Methanol	3.91E-03	4.47E-07
HY06	12		Methyl Ethyl Ketone	6.52E-04	7.45E-08
HY06	12		Naphthalene	1.63E-03	1.86E-07
HY06	12	115071	Propylene	9.98E-02	1.14E-05
HY06	12	100425	Styrene	3.91E-03	4.47E-07
HY06	12	108883	Toluene	1.88E-01	2.14E-05
HY06	12	1330207	Xylenes	1.57E-01	1.79E-05
PEN5	13	75070	Acetaldehyde	5.91E-03	6.75E-07
PEN5	13	107028	Acrolein	2.74E-03	3.13E-07
PEN5	13	71432	Benzene	5.21E-02	5.95E-06
PEN5	13	106990	1,3-Butadiene	1.16E-02	1.33E-06
PEN5	13	100414	Ethylbenzene	2.22E-02	2.53E-06
PEN5	13	50000	Formaldehyde	3.33E-02	3.81E-06
PEN5	13	110543	Hexane	3.38E-02	3.85E-06
PEN5	13	67561	Methanol	2.53E-03	2.89E-07
PEN5	13	78933	Methyl Ethyl Ketone	4.22E-04	4.82E-08
PEN5	13		Naphthalene	1.06E-03	1.20E-07
PEN5	13	115071	Propylene	6.46E-02	7.37E-06
PEN5	13	100425	Styrene	2.53E-03	2.89E-07
PEN5	13	108883	Toluene	1.22E-01	1.39E-05
PEN5	13	1330207	Xylenes	1.01E-01	1.16E-05
PEN6	14		Acetaldehyde	5.93E-03	6.77E-07
PEN6	14	107028	Acrolein	2.75E-03	3.14E-07
PEN6	14		Benzene	5.23E-02	5.97E-06
PEN6	14		1,3-Butadiene	1.16E-02	1.33E-06
PEN6	14		Ethylbenzene	2.22E-02	2.54E-06
PEN6	14		Formaldehyde	3.35E-02	3.82E-06
PEN6	14		Hexane	3.39E-02	3.87E-06
PEN6	14		Methanol	2.54E-03	2.90E-07
PEN6	14		Methyl Ethyl Ketone	4.23E-04	4.83E-08
PEN6	14		Naphthalene	1.06E-03	1.21E-07
PEN6	14		Propylene	6.48E-02	7.40E-06
PEN6	14		Styrene	2.54E-03	2.90E-07
PEN6	14		Toluene	1.22E-01	1.39E-05
PEN6	14	1330207	Xylenes	1.02E-01	1.16E-05

HARP2 Emission Inputs (Mitigated)

HARP2 Emission Inputs (Mitigated)				2026		
SRC ID	SRC No.	CAS	Pollutant			
CONCT DUACES	1	0001	Discolution A	lb/yr	lb/hr	
CONST_PHASE2	1		DieselExhPM	2.01E+01	0.00E+00	
PEN1	2		DieselExhPM	1.20E-01	0.00E+00	
COR2	3		DieselExhPM	1.53E-01	0.00E+00	
PEN2	4		DieselExhPM	7.42E-02		
PEN3	5		DieselExhPM	6.23E-02		
PEN4	6		DieselExhPM	6.24E-02		
HY03	7		DieselExhPM	1.22E-01	0.00E+00	
HY04	8		DieselExhPM	1.23E-01	0.00E+00	
HY05	9		DieselExhPM	1.09E-01	0.00E+00	
HY06	10		DieselExhPM	1.10E-01	0.00E+00	
PEN5	11		DieselExhPM	7.09E-02		
PEN6	12		DieselExhPM	7.12E-02	0.00E+00	
PEN1_TRK	13		DieselExhPM	1.26E-01	0.00E+00	
COR2_TRK	14		DieselExhPM	1.60E-01	0.00E+00	
PEN2_TRK	15	9901	DieselExhPM	7.79E-02	0.00E+00	
PEN3_TRK	16	9901	DieselExhPM	6.53E-02	0.00E+00	
PEN4_TRK	17	9901	DieselExhPM	6.55E-02	0.00E+00	
HY03_TRK	18	9901	DieselExhPM	1.28E-01	0.00E+00	
HY04_TRK	19	9901	DieselExhPM	1.29E-01	0.00E+00	
HY05_TRK	20	9901	DieselExhPM	1.15E-01	0.00E+00	
HY06_TRK	21	9901	DieselExhPM	1.15E-01	0.00E+00	
PEN5_TRK	22	9901	DieselExhPM	7.44E-02	0.00E+00	
PEN6_TRK	23	9901	DieselExhPM	7.46E-02	0.00E+00	
PEN1	2	75070	Acetaldehyde	6.29E-03	7.18E-07	
PEN1	2	107028	Acrolein	2.92E-03	3.33E-07	
PEN1	2	71432	Benzene	5.55E-02	6.33E-06	
PEN1	2	106990	1,3-Butadiene	1.23E-02	1.41E-06	
PEN1	2	100414	Ethylbenzene	2.36E-02	2.69E-06	
PEN1	2	50000	Formaldehyde	3.55E-02	4.05E-06	
PEN1	2	110543	Hexane	3.59E-02	4.10E-06	
PEN1	2	67561	Methanol	2.69E-03	3.08E-07	
PEN1	2	78933	Methyl Ethyl Ketone	4.49E-04	5.13E-08	
PEN1	2	91203	Naphthalene	1.12E-03	1.28E-07	
PEN1	2	115071	Propylene	6.87E-02	7.84E-06	
PEN1	2	100425	Styrene	2.69E-03	3.08E-07	
PEN1	2	108883	Toluene	1.29E-01	1.48E-05	
PEN1	2	1330207	Xylenes	1.08E-01	1.23E-05	
COR2	3		Acetaldehyde	7.99E-03		
COR2	3	107028	Acrolein	3.71E-03		
COR2	3	71432	Benzene	7.04E-02		
COR2	3		1,3-Butadiene	1.57E-02		
COR2	3		Ethylbenzene	2.99E-02		
COR2	3		Formaldehyde	4.51E-02		
COR2	3		Hexane	4.56E-02		

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COR2	3		Methanol	3.42E-03	3.91E-07
COR2	3		Methyl Ethyl Ketone	5.70E-04	6.51E-08
COR2	3		Naphthalene	1.43E-03	1.63E-07
COR2	3		Propylene	8.73E-02	9.96E-06
COR2	3		Styrene	3.42E-03	3.91E-07
COR2	3		Toluene	1.64E-01	1.88E-05
COR2	3	1330207	3	1.37E-01	1.56E-05
PEN2	4		Acetaldehyde	3.88E-03	4.43E-07
PEN2	4	107028	Acrolein	1.80E-03	2.06E-07
PEN2	4	71432	Benzene	3.42E-02	3.91E-06
PEN2	4	106990	1,3-Butadiene	7.63E-03	8.71E-07
PEN2	4	100414	Ethylbenzene	1.46E-02	1.66E-06
PEN2	4	50000	Formaldehyde	2.19E-02	2.50E-06
PEN2	4	110543	Hexane	2.22E-02	2.53E-06
PEN2	4	67561	Methanol	1.66E-03	1.90E-07
PEN2	4	78933	Methyl Ethyl Ketone	2.77E-04	3.17E-08
PEN2	4		Naphthalene	6.93E-04	7.91E-08
PEN2	4	115071	Propylene	4.24E-02	4.84E-06
PEN2	4	100425	Styrene	1.66E-03	1.90E-07
PEN2	4	108883	Toluene	7.99E-02	9.12E-06
PEN2	4	1330207	Xylenes	6.66E-02	7.60E-06
PEN3	5	75070	Acetaldehyde	3.26E-03	3.72E-07
PEN3	5	107028	Acrolein	1.51E-03	1.73E-07
PEN3	5	71432	Benzene	2.87E-02	3.28E-06
PEN3	5	106990	1,3-Butadiene	6.40E-03	7.30E-07
PEN3	5	100414	Ethylbenzene	1.22E-02	1.39E-06
PEN3	5	50000	Formaldehyde	1.84E-02	2.10E-06
PEN3	5		Hexane	1.86E-02	2.12E-06
PEN3	5	67561	Methanol	1.40E-03	1.59E-07
PEN3	5	78933	Methyl Ethyl Ketone	2.33E-04	2.65E-08
PEN3	5	91203	Naphthalene	5.81E-04	6.64E-08
PEN3	5	115071	Propylene	3.56E-02	4.06E-06
PEN3	5	100425	Styrene	1.40E-03	1.59E-07
PEN3	5	108883	Toluene	6.70E-02	7.65E-06
PEN3	5	1330207	Xylenes	5.58E-02	6.37E-06
PEN4	6	75070	Acetaldehyde	3.27E-03	3.73E-07
PEN4	6	107028	Acrolein	1.52E-03	1.73E-07
PEN4	6	71432	Benzene	2.88E-02	3.29E-06
PEN4	6	106990	1,3-Butadiene	6.41E-03	7.32E-07
PEN4	6	100414	Ethylbenzene	1.22E-02	1.40E-06
PEN4	6		Formaldehyde	1.84E-02	2.10E-06
PEN4	6	110543	Hexane	1.87E-02	2.13E-06
PEN4	6	67561	Methanol	1.40E-03	1.60E-07
PEN4	6		Methyl Ethyl Ketone	2.33E-04	2.66E-08
PEN4	6	91203	Naphthalene	5.83E-04	6.66E-08
PEN4	6		Propylene	3.57E-02	4.07E-06
PEN4	6	100425	Styrene	1.40E-03	1.60E-07
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PEN4	6		Toluene	6.72E-02	7.67E-06
PEN4	6	1330207	3	5.60E-02	6.39E-06
HY03	7		Acetaldehyde Acrolein	6.40E-03 2.97E-03	7.30E-07
	7				3.39E-07
HY03	7		Benzene	5.64E-02	6.44E-06
HY03	7		1,3-Butadiene	1.26E-02	1.43E-06
HY03	7		Ethylbenzene	2.40E-02	2.74E-06
HY03 HY03	7		Formaldehyde	3.61E-02 3.66E-02	4.12E-06
	7		Hexane		4.17E-06
HY03 HY03	7		Methanol	2.74E-03 4.57E-04	3.13E-07
HY03	7		Methyl Ethyl Ketone Naphthalene	1.14E-03	5.22E-08 1.30E-07
HY03	7			6.99E-02	7.98E-06
HY03	7		Propylene Styrene	2.74E-03	3.13E-07
HY03	7		Toluene	1.32E-01	1.50E-05
HY03	7	1330207		1.32E-01 1.10E-01	1.30E-05
HY04	8		Acetaldehyde	6.41E-03	7.32E-07
HY04	8		Acrolein	2.98E-03	3.40E-07
HY04	8		Benzene	5.66E-02	6.46E-06
HY04	8		1,3-Butadiene	1.26E-02	1.44E-06
HY04	8		Ethylbenzene	2.41E-02	2.75E-06
HY04	8		Formaldehyde	3.62E-02	4.13E-06
HY04	8		Hexane	3.67E-02	4.18E-06
HY04	8		Methanol	2.75E-03	3.14E-07
HY04	8		Methyl Ethyl Ketone	4.58E-04	5.23E-08
HY04	8		Naphthalene	1.15E-03	1.31E-07
HY04	8		Propylene	7.01E-02	8.00E-06
HY04	8		Styrene	2.75E-03	3.14E-07
HY04	8		Toluene	1.32E-01	1.51E-05
HY04	8	1330207	Xylenes	1.10E-01	1.26E-05
HY05	9		Acetaldehyde	5.71E-03	6.52E-07
HY05	9		Acrolein	2.65E-03	3.03E-07
HY05	9	71432	Benzene	5.04E-02	5.75E-06
HY05	9	106990	1,3-Butadiene	1.12E-02	1.28E-06
HY05	9	100414	Ethylbenzene	2.14E-02	2.45E-06
HY05	9	50000	Formaldehyde	3.22E-02	3.68E-06
HY05	9	110543	Hexane	3.26E-02	3.73E-06
HY05	9		Methanol	2.45E-03	2.79E-07
HY05	9		Methyl Ethyl Ketone	4.08E-04	4.66E-08
HY05	9		Naphthalene	1.02E-03	1.16E-07
HY05	9		Propylene	6.24E-02	7.13E-06
HY05	9		Styrene	2.45E-03	2.79E-07
HY05	9		Toluene	1.18E-01	1.34E-05
HY05	9	1330207	3	9.79E-02	1.12E-05
HY06	10		Acetaldehyde	5.73E-03	6.54E-07
HY06	10		Acrolein	2.66E-03	3.04E-07
HY06	10	71432	Benzene	5.06E-02	5.77E-06

HY06	10	106990	1,3-Butadiene	1.13E-02	1.29E-06
HY06	10	100414	Ethylbenzene	2.15E-02	2.45E-06
HY06	10	50000	Formaldehyde	3.23E-02	3.69E-06
HY06	10		Hexane	3.27E-02	3.74E-06
HY06	10	67561	Methanol	2.46E-03	2.80E-07
HY06	10	78933	Methyl Ethyl Ketone	4.09E-04	4.67E-08
HY06	10	91203	Naphthalene	1.02E-03	1.17E-07
HY06	10	115071	Propylene	6.26E-02	7.15E-06
HY06	10		Styrene	2.46E-03	2.80E-07
HY06	10	108883	Toluene	1.18E-01	1.35E-05
HY06	10	1330207	Xylenes	9.82E-02	1.12E-05
PEN5	11	75070	Acetaldehyde	3.71E-03	4.23E-07
PEN5	11	107028	Acrolein	1.72E-03	1.97E-07
PEN5	11	71432	Benzene	3.27E-02	3.74E-06
PEN5	11	106990	1,3-Butadiene	7.29E-03	8.32E-07
PEN5	11	100414	Ethylbenzene	1.39E-02	1.59E-06
PEN5	11	50000	Formaldehyde	2.09E-02	2.39E-06
PEN5	11	110543	Hexane	2.12E-02	2.42E-06
PEN5	11	67561	Methanol	1.59E-03	1.81E-07
PEN5	11	78933	Methyl Ethyl Ketone	2.65E-04	3.02E-08
PEN5	11	91203	Naphthalene	6.62E-04	7.56E-08
PEN5	11	115071	Propylene	4.05E-02	4.63E-06
PEN5	11	100425	Styrene	1.59E-03	1.81E-07
PEN5	11	108883	Toluene	7.63E-02	8.71E-06
PEN5	11	1330207		6.36E-02	7.26E-06
PEN6	12	75070	Acetaldehyde	3.72E-03	4.25E-07
PEN6	12	107028	Acrolein	1.73E-03	1.97E-07
PEN6	12	71432	Benzene	3.28E-02	3.75E-06
PEN6	12	106990	1,3-Butadiene	7.31E-03	8.34E-07
PEN6	12	100414	Ethylbenzene	1.40E-02	1.59E-06
PEN6	12	50000	Formaldehyde	2.10E-02	2.40E-06
PEN6	12	110543	Hexane	2.13E-02	2.43E-06
PEN6	12	67561	Methanol	1.59E-03	1.82E-07
PEN6	12	78933	Methyl Ethyl Ketone	2.66E-04	3.03E-08
PEN6	12	91203	Naphthalene	6.64E-04	7.59E-08
PEN6	12		Propylene	4.07E-02	4.64E-06
PEN6	12	100425	Styrene	1.59E-03	1.82E-07
PEN6	12	108883	Toluene	7.65E-02	8.74E-06
PEN6	12	1330207	Xylenes	6.38E-02	7.28E-06

On-Site Stationary Source Emissions Mitigated

				Emissions (tons/year)
Equipment Type	Buildings	No. of Units	Days Per Year	PM _{2.5} Exhaust
Tier 2 - Generator	A, B/C, D-G	6	100	0.004199678
Tier 2 - Fire water pump	A, B/C, D-G	6	100	0.002959232

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				Emissions (lbs/year)	Annual Emissions (g/s)
Model ID	Group ID	No. of Sources	X/Q	PM _{2.5} Exhaust	PM _{2.5} Exhaust
GEN_A	GEN_A	1	1.00000E+00	1.40E+00	2.01351E-05
GEN_BC	GEN_BC	1	1.00000E+00	1.40E+00	2.01351E-05
GEN_D	GEN_D	1	1.00000E+00	1.40E+00	2.01351E-05
GEN_E	GEN_E	1	1.00000E+00	1.40E+00	2.01351E-05
GEN_F	GEN_F	1	1.00000E+00	1.40E+00	2.01351E-05
GEN_G	GEN_G	1	1.00000E+00	1.40E+00	2.01351E-05

FWPs

				Emissions (lbs/year)	Annual Emissions (g/s)
Model ID	Group ID	No. of Sources	X/Q	PM _{2.5} Exhaust	PM _{2.5} Exhaust
FWP_A	FWP_A	1	1.00000E+00	9.86E-01	1.41879E-05
FWP_BC	FWP_BC	1	1.00000E+00	9.86E-01	1.41879E-05
FWP_D	FWP_D	1	1.00000E+00	9.86E-01	1.41879E-05
FWP_E	FWP_E	1	1.00000E+00	9.86E-01	1.41879E-05
FWP_F	FWP_F	1	1.00000E+00	9.86E-01	1.41879E-05
FWP_G	FWP_G	1	1.00000E+00	9.86E-01	1.41879E-05

Emissions (tons/year)

			, , ,
Equipment Type	Buildings	Days Per Year	PM _{2.5} Exhaust
TRUs - onsite idling	Operations - Buildings A, B/C	365	0.007768578
TRUs - onsite idling	Operations - Buildings D - G	365	0.003722632

TRUs - Idling at Docks

				Emissions (lbs/year)	per source
Model ID	Group ID	No. of Sources	X/Q	PM _{2.5} Exhaust	PM _{2.5} Exhaust
TRU_A1-TRU_A46	TRU_A	46	2.17391E-02	2.647E+00	8.27688E-07
TRU_B1-TRU_B224	TRU_BC	224	4.46429E-03	1.289E+01	8.27688E-07
TRU_D1-TRU_D20	TRU_D	20	5.00000E-02	1.489E+00	1.07088E-06
TRU_E1-TRU_E20	TRU_E	20	5.00000E-02	1.489E+00	1.07088E-06
TRU_F1-TRU_F33	TRU_F	33	3.03030E-02	2.457E+00	1.07088E-06
TRU_G1-TRU_G27	TRU_G	27	3.70370E-02	2.010E+00	1.07088E-06

Annual Emissions (g/s)

Yard Equipment (Forklifts) Mitigated - Electric

	-		Emissions (tons/year)
Equipment Type	Buildings	Days Per Year	PM _{2.5} Exhaust
Yard Equipment (forklifts)	Operations - Buildings A, B/C	365	0
Yard Equipment (forklifts)	Operations - Buildings D - G	365	0

					Annual Emissions (g/s) per source
Model ID	Buildings	No. of Sources	X/Q	PM _{2.5} Exhaust	PM _{2.5} Exhaust
FLA1	Building A	66	0.015151515	0	0.0000E+00
FLA2	Building A	9	0.111111111	0	0.0000E+00
FLB1	Building B	204	0.004901961	0	0.0000E+00
FLB2	Building B	137	0.00729927	0	0.0000E+00
FLB3	Building B	48	0.020833333	0	0.0000E+00
FLD1	Building D	32	0.03125	0	0.0000E+00
FLE1	Building E	32	0.03125	0	0.0000E+00
FLF1	Building F	54	0.018518519	0	0.0000E+00
FLG1	Building G	50	0.02	0	0.0000E+00

HARP ID		Emissions (lbs/year)
FLA	Building A	0
FLB	Building B	0
FLD	Building D	0
FLE	Building E	0
FLF	Building F	0
FLG	Building G	0

Onsite Road Segments - Personal Worker Vehicles (Cars) (Mitigated)																		
Road	Road Width (ft)	Road Width (m)	Base Elevation	SourceID	Line Volume Src Type	Plume Width (m)	Release Height (m)	Initial Lateral Dimension (m)	Initial Vertical Dimension (m)	# Volume Sources	Total Length (m)	g/s per vol (1 g/s)	Phase	% Allocation	ROG (lb/yr)	DPM (lb/yr)	Total PM2.5 (lb/yr)	Total PM2.5 (g/s/vol)
On-site Car Circulation Around Building BC	32.8	10.00	varies - AERMAP	TRK1	Adjacent	10.00	1.30	varies - based on plume width	1.21	91	1459.3	1.09890E-02	Phase 1	34.6%	9.70573E+01	8.94911E-01	2.44846E+00	3.87000E-07
On-site Car Circulation Around Building BC (southeast segment)	55.77	17.00	varies - AERMAP	TRK2	Adjacent	17.00	1.30	varies - based on plume width	1.21	7	166.8	1.42857E-01	Phase 1	4.0%	1.10938E+01	1.02290E-01	2.79863E-01	5.75050E-07
On-site Car Circulation from Building BC to Building A	39.37	12.00	varies - AERMAP	TRK3	Adjacent	12.00	1.30	varies - based on plume width	1.21	16	279.5	6.25000E-02	Phase 1	6.6%	1.85894E+01	1.71402E-01	4.68955E-01	4.21570E-07
On-site Car Circulation South of Building A	55.77	17.00	varies - AERMAP	TRK4	Adjacent	17.00	1.30	varies - based on plume width	1.21	9	198.7	1.11111E-01	Phase 1	4.7%	1.32154E+01	1.21852E-01	3.33386E-01	5.32799E-07
On-site Car Circulation Western Edge Between Buildings A and BC	32.8	10.00	varies - AERMAP	TRK5	Adjacent	10.00	1.30	varies - based on plume width	1.21	8	126.7	1.25000E-01	Phase 1	3.0%	8.42675E+00	7.76983E-02	2.12582E-01	3.82203E-07
On-site Car Circulation North of Buildings D and E	55.77	17.00	varies - AERMAP	TRK6	Adjacent	17.00	1.30	varies - based on plume width	1.21	13	304.7	7.69231E-02	Phase 1	7.2%	2.02654E+01	1.86856E-01	5.11236E-01	5.65636E-07
On-site Car Circulation Northeast Parking Lot	22.96	7.00	varies - AERMAP	CAR1	Adjacent	7.00	1.30	varies - based on plume width	1.21	20	265.1	5.00000E-02	Phase 1	6.3%	1.76317E+01	1.62572E-01	4.44794E-01	3.19880E-07
On-site Car Circulation North Parking Lot	22.96	7.00	varies - AERMAP	CAR2	Adjacent	7.00	1.30	varies - based on plume width	1.21	38	494.1	2.63158E-02	Phase 1	11.7%	3.28623E+01	3.03005E-01	8.29018E-01	3.13790E-07
On-site Car Circulation Around Building A	22.96	7.00	varies - AERMAP	CAR3	Adjacent	7.00	1.30	varies - based on plume width	1.21	54	707	1.85185E-02	Phase 1	16.8%	4.70222E+01	4.33565E-01	1.18623E+00	3.15961E-07
On-site Car Circulation Parking Lot Between Buildings A and BC	22.96	7.00	varies - AERMAP	CAR4	Adjacent	7.00	1.30	varies - based on plume width	1.21	16	211.9	6.25000E-02	Phase 1	5.0%	1.40934E+01	1.29947E-01	3.55533E-01	3.19609E-07
On-site Car Circulation South of Building E	22.96	7.00	varies - AERMAP	CAR5	Adjacent	7.00	1.30	varies - based on plume width	1.21	28	360.3	3.57143E-02	Phase 2	14.0%	1.69523E+01	1.02252E-01	1.61013E-01	8.27108E-08
On-site Car Circulation South of Building D	22.96	7.00	varies - AERMAP	CAR6	Adjacent	7.00	1.30	varies - based on plume width	1.21	20	261	5.00000E-02	Phase 2	10.2%	1.22802E+01	7.40711E-02	1.16637E-01	8.38816E-08
On-site Car Circulation West of Building D	22.96	7.00	varies - AERMAP	CAR7	Adjacent	7.00	1.30	varies - based on plume width	1.21	25	321.4	4.00000E-02	Phase 2	12.5%	1.51220E+01	9.12124E-02	1.43629E-01	8.26346E-08
On-site Car Circulation South of Building F	22.96	7.00	varies - AERMAP	CAR8	Adjacent	7.00	1.30	varies - based on plume width	1.21	27	348.9	3.70370E-02	Phase 2	13.6%	1.64159E+01	9.90168E-02	1.55919E-01	8.30603E-08
On-site Car Circulation West of Building G	22.96	7.00	varies - AERMAP	CAR9	Adjacent	7.00	1.30	varies - based on plume width	1.21	24	314.5	4.16667E-02	Phase 2	12.2%	1.47973E+01	8.92542E-02	1.40546E-01	8.42298E-08
On-site Car Circulation Around Building G	55.77	17.00	varies - AERMAP	TRK7	Adjacent	17.00	1.30	varies - based on plume width	1.21	20	462.2	5.00000E-02	Phase 2	18.0%	2.17467E+01	1.31171E-01	2.06551E-01	1.48544E-07
On-site Car Circulation North Entrance by Building F	39.37	12.00	varies - AERMAP	TRK8	Adjacent	12.00	1.30	varies - based on plume width	1.21	8	148	1.25000E-01	Phase 2	5.8%	6.96346E+00	4.20020E-02	6.61392E-02	1.18913E-07
On-site Car Circulation North Side of Building F	55.77	17.00	varies - AERMAP	TRK9	Adjacent	17.00	1.30	varies - based on plume width	1.21	9	195.9	1.11111E-01	Phase 2	7.6%	9.21717E+00	5.55959E-02	8.75451E-02	1.39910E-07
On-site Car Circulation West of Building F	39.37	12.00	varies - AERMAP	TRKF	Adjacent	12.00	1.30	varies - based on plume width	1.21	9	159.1	1.11111E-01	Phase 2	6.2%	7.48572E+00	4.51521E-02	7.10997E-02	1.13628E-07

Onsite Road Segments - Trucks (Mitigated)																				
Road	NOTE	Road Width (ft)	Road Width (m)	Base Elevation	SourceID	Line Volume Src Type	Plume Height (m)	Plume Width (m)	Release Height (m)	Initial Lateral Dimension (m)	Initial Vertical Dimension (m)	#Volume Sources	Total Length (m)	g/s per vol (1 g/s)	Phase	% Allocation	ROG (lb/yr)	DPM (lb/yr)	Total PM2.5 (lb/yr)	Total PM2.5 (g/s/vol)
On-site Truck Circulation Around Building BC		32.8	10.00	varies - AERMAP	TRK1	Adjacent	6.794	10.00	3.40	varies - based on plume width	3.16	91	1459.3	1.09890E-02	Phase 1	57.6%	8.79529E-02	1.11585E-01	4.42808E+00	6.99894E-07
On-site Truck Circulation Around Building BC (southeast segment)		55.77	17.00	varies - AERMAP	TRK2	Adjacent	6.794	17.00	3.40	varies - based on plume width	3.16	7	166.8	1.42857E-01	Phase 1	6.6%	1.00531E-02	1.27544E-02	5.06135E-01	1.03999E-06
On-site Truck Circulation from Building BC to Building A		39.37	12.00	varies - AERMAP	TRK3	Adjacent	6.794	12.00	3.40	varies - based on plume width	3.16	16	279.5	6.25000E-02	Phase 1	11.0%	1.68456E-02	2.13719E-02	8.48110E-01	7.62415E-07
On-site Truck Circulation South of Building A		55.77	17.00	varies - AERMAP	TRK4	Adjacent	6.794	17.00	3.40	varies - based on plume width	3.16	9	198.7	1.11111E-01	Phase 1	7.8%	1.19758E-02	1.51936E-02	6.02932E-01	9.63573E-07
On-site Truck Circulation Western Edge Between Buildings A and BC		32.8	10.00	varies - AERMAP	TRK5	Adjacent	6.794	10.00	3.40	varies - based on plume width	3.16	8	126.7	1.25000E-01	Phase 1	5.0%	7.63629E-03	9.68811E-03	3.84456E-01	6.91220E-07
On-site Truck Circulation North of Buildings D and E		55.77	17.00	varies - AERMAP	TRK6	Adjacent	6.794	17.00	3.40	varies - based on plume width	3.16	13	304.7	7.69231E-02	Phase 1	12.0%	1.83645E-02	2.32989E-02	9.24577E-01	1.02296E-06
On-site Truck Circulation Around Building G		55.77	17.00	varies - AERMAP	TRK7	Adjacent	6.794	17.00	3.40	varies - based on plume width	3.16	20	462.2	5.00000E-02	Phase 2	47.9%	1.56506E-02	9.59595E-03	3.96088E-01	2.84853E-07
On-site Truck Circulation North Entrance by Building F		39.37	12.00	varies - AERMAP	TRK8	Adjacent	6.794	12.00	3.40	varies - based on plume width	3.16	8	148	1.25000E-01	Phase 2	15.3%	5.01145E-03	3.07270E-03	1.26830E-01	2.28030E-07
On-site Truck Circulation North Side of Building F		55.77	17.00	varies - AERMAP	TRK9	Adjacent	6.794	17.00	3.40	varies - based on plume width	3.16	9	195.9	1.11111E-01	Phase 2	20.3%	6.63340E-03	4.06717E-03	1.67879E-01	2.68295E-07
On-site Truck Circulation South Entrance by Building F		39.37	12.00	varies - AFRMAP	TRKF	Adjacent	6.794	12.00	3.40	varies - based on plume width	3.16	9	159.1	1.11111E-01	Phase 2	16.5%	5.38731E-03	3.30315E-03	1.36343E-01	2.17895E-07

Mitigated
Worker ROG - Operation

Mitigated			
Worker ROG - Operation		PHASE 1	
Toxic Compounds (lb/yr)	EMFAC Gasoline TOG Speciation	Onsite Trucks	Onsite Cars
	(% of TOG)	Trucks	Cars
Acetaldehyde	0.28%	4.28E-04	7.85E-01
Acrolein	0.13%	1.99E-04	3.64E-01
Benzene	2.47%	3.77E-03	6.92E+00
1,3-Butadiene	0.55%	8.41E-04	1.54E+00
Ethylbenzene	1.05%	1.60E-03	2.94E+00
Formaldehyde	1.58%	2.41E-03	4.43E+00
Hexane	1.60%	2.45E-03	4.48E+00
Methanol	0.12%	1.83E-04	3.36E-01
Methyl Ethyl Ketone	0.02%	3.06E-05	5.61E-02
Naphthalene	0.05%	7.64E-05	1.40E-01
Propylene	3.06%	4.68E-03	8.58E+00
Styrene	0.12%	1.83E-04	3.36E-01
Toluene	5.76%	8.80E-03	1.61E+01
Xylenes	4.80%	7.34E-03	1.35E+01
DPM	ton/yr	9.69E-05	1.29E-03
DPM	lb/yr	1.94E-01	2.58E+00

lb/hr	(% of TOG)	Trucks	Cars
Acetaldehyde	0.28%	4.88E-08	8.96E-05
Acrolein	0.13%	2.27E-08	4.16E-05
Benzene	2.47%	4.31E-07	7.90E-04
1,3-Butadiene	0.55%	9.60E-08	1.76E-04
Ethylbenzene	1.05%	1.83E-07	3.36E-04
Formaldehyde	1.58%	2.76E-07	5.05E-04
Hexane	1.60%	2.79E-07	5.12E-04
Methanol	0.12%	2.09E-08	3.84E-05
Methyl Ethyl Ketone	0.02%	3.49E-09	6.40E-06
Naphthalene	0.05%	8.72E-09	1.60E-05
Propylene	3.06%	5.34E-07	9.79E-04
Styrene	0.12%	2.09E-08	3.84E-05
Toluene	5.76%	1.00E-06	1.84E-03
Xylenes	4.80%	8.37E-07	1.54E-03

Truck/Worker ROG - Ope	ration	PHASE 1 + PHASE 2	
Toxic Compounds (lb/yr)	EMFAC Gasoline TOG Speciation	Onsite Trucks	Onsite Cars
	(% of TOG)	Trucks	Cars
Acetaldehyde	0.28%	5.19E-04	1.12E+00
Acrolein	0.13%	2.41E-04	5.22E-01
Benzene	2.47%	4.58E-03	9.91E+00
1,3-Butadiene	0.55%	1.02E-03	2.21E+00
Ethylbenzene	1.05%	1.95E-03	4.21E+00
Formaldehyde	1.58%	2.93E-03	6.34E+00
Hexane	1.60%	2.97E-03	6.42E+00
Methanol	0.12%	2.23E-04	4.81E-01
Methyl Ethyl Ketone	0.02%	3.71E-05	8.02E-02
Naphthalene	0.05%	9.28E-05	2.01E-01
Propylene	3.06%	5.68E-03	1.23E+01
Styrene	0.12%	2.23E-04	4.81E-01
Toluene	5.76%	1.07E-02	2.31E+01
Xylenes	4.80%	8.90E-03	1.93E+01
DPM	ton/yr	1.07E-04	1.66E-03
DPM	lb/yr	2.14E-01	3.31E+00

lb/hr	(% of TOG)	Trucks	Cars
Acetaldehyde	0.28%	5.93E-08	1.28E-04
Acrolein	0.13%	2.75E-08	5.95E-05
Benzene	2.47%	5.23E-07	1.13E-03
1,3-Butadiene	0.55%	1.16E-07	2.52E-04
Ethylbenzene	1.05%	2.22E-07	4.81E-04
Formaldehyde	1.58%	3.35E-07	7.24E-04
Hexane	1.60%	3.39E-07	7.33E-04
Methanol	0.12%	2.54E-08	5.50E-05
Methyl Ethyl Ketone	0.02%	4.24E-09	9.16E-06
Naphthalene	0.05%	1.06E-08	2.29E-05
Propylene	3.06%	6.48E-07	1.40E-03
Styrene	0.12%	2.54E-08	5.50E-05
Toluene	5.76%	1.22E-06	2.64E-03
Xylenes	4.80%	1.02E-06	2.20E-03

Operations: Project On-Road Segments (Mi	tigated)					1		Ops	- Cars Interim	Ops - Cars Full Build	Ops - Trucks Interim	Ops - Trucks Full Build
Road	Road Width (ft)	Road Width (m)	Base Elevation	SourceID	# Volume Sources	Total Length (m)	g/s per vol (1 g/s)) Tot	tal PM2.5 (g/s/vol)	Total PM2.5 (g/s/vol)	Total PM2.5 (g/s/vol)	Total PM2.5 (g/s/vol)
Penn Ave South from SR 12 and South to Project Entrance	50.00	15.24	varies - AERMAP	PEN1	19	393.8	5.2632E-02		2.61610E-05	3.86746E-05	9.06863E-06	1.34028E-05
Cordelia Rd East of Penn Ave	20.00	6.10	varies - AERMAP	COR1	92	1117.9	1.0870E-02		3.35578E-08	4.96096E-08	1.16327E-08	1.71923E-08
Cordelia Rd West of Penn Ave and East of Beck Rd	25.00	7.62	varies - AERMAP	COR2	94	1275.7	1.0638E-02		5.58345E-07	8.25419E-07	1.93549E-07	2.86051E-07
Penn Ave South of Project Entrance and North of Cordelia Rd	50.00	15.24	varies - AERMAP	PEN2	11	243.2	9.0909E-02		5.14554E-06	7.60681E-06	1.78368E-06	2.63616E-06
Highway 12 Eastbound East of Penn Ave and West of Marina Blvd	30.00	9.14	varies - AERMAP	HY01	114	1718.7	8.7719E-03		6.04826E-07	8.94133E-07	2.09661E-07	3.09864E-07
Highway 12 Westbound East of Penn Ave and West of Marina Blvd	30.00	9.14	varies - AERMAP	HY02	113	1714.4	8.8496E-03		9.74464E-07	1.44058E-06	3.37795E-07	4.99237E-07
Penn Ave Northbound North from SR 12 and South of W Texas St	25	7.62	varies - AERMAP	PEN3	64	867.4	1.5625E-02		8.68309E-07	1.28365E-06	3.00997E-07	4.44852E-07
Penn Ave Southbound North from SR 12 and South of W Texas St	25	7.62	varies - AERMAP	PEN4	64	870	1.5625E-02		1.18991E-06	1.75907E-06	4.12477E-07	6.09612E-07
W Texas St East of Beck Ave and West of Penn Ave	50	15.24	varies - AERMAP	WTX1	67	1417.5	1.4925E-02		3.07196E-07	4.54138E-07	1.06489E-07	1.57383E-07
Beck Ave North of Cadenasso Dr and South of W Texas St	50	15.24	varies - AERMAP	BEK1	9	198.4	1.1111E-01		7.88982E-06	1.16638E-05	2.73498E-06	4.04211E-06
Beck Ave South of Cadenasso Dr and North of SR12	50	15.24	varies - AERMAP	BEK2	36	774.4	2.7778E-02		1.97246E-06	2.91594E-06	6.83746E-07	1.01053E-06
Cordelia Rd West of Beck Ave and East of Chadbourne Rd	40	12.19	varies - AERMAP	COR3	86	1562.1	1.1628E-02		1.19664E-07	1.76902E-07	4.14810E-08	6.13060E-08
Beck Ave North of Cordelia Rd and South of Rail Tracks	20	6.10	varies - AERMAP	BEK3	37	443.2	2.7027E-02		7.23156E-07	1.06906E-06	2.50680E-07	3.70487E-07
Beck Ave Northbound North of Rail Tracks and South of SR 12	20	6.10	varies - AERMAP	BEK4	52	634	1.9231E-02		1.97905E-07	2.92569E-07	6.86032E-08	1.01391E-07
Beck Ave Southbound North of Rail Tracks and South of SR 12	20	6.10	varies - AERMAP	BEK5	51	617	1.9608E-02		3.22857E-07	4.77290E-07	1.11917E-07	1.65406E-07
Chadbourne Rd Northbound North of Cordelia Rd and South of SR 12	20	6.10	varies - AERMAP	CBN1	107	1296.9	9.3458E-03		0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
Chadbourne Rd Southbound North of Cordelia Rd and South of SR 12	20	6.10	varies - AERMAP	CBN2	107	1296.2	9.3458E-03		0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
SR 12 Westbound West of Chadbourne Rd and East of Beck Ave	30	9.14	varies - AERMAP	HY03	101	1535.1	9.9010E-03		6.01162E-07	8.88716E-07	2.08391E-07	3.07987E-07
SR 12 Eastbound West of Chadbourne Rd and East of Beck Ave	30	9.14	varies - AERMAP	HY04	102	1539.4	9.8039E-03		5.04464E-08	7.45765E-08	1.74871E-08	2.58447E-08
SR 12 Westbound West of Beck Ave and East of Penn Ave	30	9.14	varies - AERMAP	HY05	91	1370.9	1.0989E-02		8.59474E-07	1.27059E-06	2.97934E-07	4.40325E-07
SR 12 Eastbound West of Beck Ave and East of Penn Ave	30	9.14	varies - AERMAP	HY06	91	1375.3	1.0989E-02		1.18743E-06	1.75542E-06	4.11619E-07	6.08344E-07

Mitigated (Full Build Ops - Offsite) SRC ID SRC No. CAS **Pollutant** lb/yr lb/hr PEN1 Cars 9901 DieselExhPM 2.09E+00 0.00E+002 9901 DieselExhPM COR1_Cars 1.30E-02 0.00E+00COR2_Cars 3 9901 DieselExhPM 2.21E-01 0.00E+00 PEN2_Cars 9901 DieselExhPM 4 2.38E-01 0.00E+00HY01 Cars 5 9901 DieselExhPM 2.90E-01 0.00E+006 HY02 Cars 9901 DieselExhPM 4.63E-01 0.00E+00PEN3_Cars 7 9901 DieselExhPM 2.34E-01 0.00E + 00PEN4 Cars 8 9901 DieselExhPM 3.21E-01 0.00E+00 9 9901 DieselExhPM WTX1_Cars 8.66E-02 0.00E+00BEK1 Cars 10 9901 DieselExhPM 2.99E-01 0.00E+00BEK2 Cars 11 9901 DieselExhPM 2.99E-01 0.00E+00COR3_Cars 12 9901 DieselExhPM 4.33E-02 0.00E+009901 DieselExhPM BEK3_Cars 13 1.13E-01 0.00E+00BEK4_Cars 14 9901 DieselExhPM 4.33E-02 0.00E+00 BEK5_Cars 0.00E+00 15 9901 DieselExhPM 6.93E-02 CBN1 Cars 16 9901 DieselExhPM 0.00E + 000.00E+00CBN2_Cars 17 9901 DieselExhPM 0.00E + 000.00E+00HY03_Cars 18 9901 DieselExhPM 2.56E-01 0.00E + 00HY04 Cars 19 9901 DieselExhPM 0.00E+00 2.17E-02 20 9901 DieselExhPM 0.00E+00HY05_Cars 3.29E-01 HY06_Cars 21 9901 DieselExhPM 4.55E-01 0.00E+00PEN1_Trucks 22 9901 DieselExhPM 0.00E + 004.66E+00 9901 DieselExhPM COR1_Trucks 23 2.89E-02 0.00E+00COR2 Trucks 24 9901 DieselExhPM 4.92E-01 0.00E+005.30E-01 PEN2_Trucks 25 9901 DieselExhPM 0.00E+006.46E-01 HY01_Trucks 26 9901 DieselExhPM 0.00E + 00HY02_Trucks 27 9901 DieselExhPM 1.03E+00 0.00E+0028 PEN3_Trucks 9901 DieselExhPM 5.21E-01 0.00E+00PEN4_Trucks 29 9901 DieselExhPM 0.00E+00 7.14E-01 WTX1 Trucks 30 9901 DieselExhPM 1.93E-01 0.00E+00BEK1_Trucks 31 9901 DieselExhPM 6.65E-01 0.00E+009901 DieselExhPM 0.00E+00BEK2_Trucks 32 6.65E-01 COR3 Trucks 9901 DieselExhPM 33 9.64E-02 0.00E + 009901 DieselExhPM BEK3_Trucks 34 2.51E-01 0.00E+009901 DieselExhPM BEK4_Trucks 35 9.64E-02 0.00E+00BEK5_Trucks 9901 DieselExhPM 1.54E-01 0.00E+0036 CBN1 Trucks 37 9901 DieselExhPM 0.00E + 000.00E + 00CBN2_Trucks 38 9901 DieselExhPM 0.00E + 000.00E+0039 0.00E+00 HY03_Trucks 9901 DieselExhPM 5.69E-01 HY04 Trucks 40 9901 DieselExhPM 4.82E-02 0.00E + 00HY05 Trucks 41 9901 DieselExhPM 7.33E-01 0.00E+0042 9901 DieselExhPM HY06_Trucks 1.01E+00 0.00E+00PEN1_Cars 75070 Acetaldehyde 1.71E-01 1.95E-05 PEN1_Cars 107028 Acrolein 7.94E-02 9.07E-06

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PEN1_Cars	1		Benzene	1.51E+00	1.72E-04
PEN1_Cars	1		1,3-Butadiene	3.36E-01	3.84E-05
PEN1_Cars	1		Ethylbenzene	6.42E-01	7.32E-05
PEN1_Cars	1		Formaldehyde	9.65E-01	1.10E-04
PEN1_Cars	1		Hexane	9.78E-01	1.12E-04
PEN1_Cars	1		Methanol	7.33E-02	8.37E-06
PEN1_Cars	1		Methyl Ethyl Ketone	1.22E-02	1.40E-06
PEN1_Cars	1		Naphthalene	3.06E-02	3.49E-06
PEN1_Cars	1		Propylene	1.87E+00	2.13E-04
PEN1_Cars	1		Styrene	7.33E-02	8.37E-06
PEN1_Cars	1		Toluene	3.52E+00	4.02E-04
PEN1_Cars	1	1330207		2.93E+00	3.35E-04
COR1_Cars	2		Acetaldehyde	1.06E-03	1.21E-07
COR1_Cars	2		Acrolein	4.93E-04	5.63E-08
COR1_Cars	2		Benzene	9.37E-03	1.07E-06
COR1_Cars	2		1,3-Butadiene	2.09E-03	2.38E-07
COR1_Cars	2		Ethylbenzene	3.99E-03	4.55E-07
COR1_Cars	2		Formaldehyde	6.00E-03	6.85E-07
COR1_Cars	2		Hexane	6.07E-03	6.93E-07
COR1_Cars	2		Methanol	4.55E-04	5.20E-08
COR1_Cars	2		Methyl Ethyl Ketone	7.59E-05	8.67E-09
COR1_Cars	2		Naphthalene	1.90E-04	2.17E-08
COR1_Cars	2		Propylene	1.16E-02	1.33E-06
COR1_Cars	2		Styrene	4.55E-04	5.20E-08
COR1_Cars	2		Toluene	2.19E-02	2.50E-06
COR1_Cars	2	1330207		1.82E-02	2.08E-06
COR2_Cars	3		Acetaldehyde	1.81E-02	2.06E-06
COR2_Cars	3		Acrolein	8.39E-03	9.58E-07
COR2_Cars	3		Benzene	1.59E-01	1.82E-05
COR2_Cars	3		1,3-Butadiene	3.55E-02	4.05E-06
COR2_Cars	3		Ethylbenzene	6.77E-02	7.73E-06
COR2_Cars	3		Formaldehyde	1.02E-01	1.16E-05
COR2_Cars	3		Hexane	1.03E-01	1.18E-05
COR2_Cars	3		Methanol	7.74E-03	8.84E-07
COR2_Cars	3		Methyl Ethyl Ketone	1.29E-03	1.47E-07
COR2_Cars	3		Naphthalene	3.23E-03	3.68E-07
COR2_Cars	3		Propylene	1.97E-01	2.25E-05
COR2_Cars	3		Styrene	7.74E-03	8.84E-07
COR2_Cars	3		Toluene	3.72E-01	4.24E-05
COR2_Cars	3	1330207	,	3.10E-01	3.54E-05
PEN2_Cars	4		Acetaldehyde	1.95E-02	2.22E-06
PEN2_Cars	4		Acrolein	9.05E-03	1.03E-06
PEN2_Cars	4		Benzene	1.72E-01	1.96E-05
PEN2_Cars	4		1,3-Butadiene	3.83E-02	4.37E-06
PEN2_Cars	4		Ethylbenzene	7.31E-02	8.34E-06
PEN2_Cars	4		Formaldehyde	1.10E-01	1.26E-05
PEN2_Cars	4	110543	Hexane	1.11E-01	1.27E-05

PEN2_Cars	4	67561	Methanol	8.35E-03	9.53E-07
PEN2_Cars	4		Methyl Ethyl Ketone	1.39E-03	1.59E-07
PEN2_Cars	4		Naphthalene	3.48E-03	3.97E-07
PEN2_Cars	4		Propylene	2.13E-01	2.43E-05
PEN2_Cars	4		Styrene	8.35E-03	9.53E-07
PEN2_Cars	4		Toluene	4.01E-01	4.58E-05
PEN2_Cars	4	1330207		3.34E-01	3.81E-05
HY01_Cars	5		Acetaldehyde	2.37E-02	2.71E-06
HY01_Cars	5	107028	Acrolein	1.10E-02	1.26E-06
HY01_Cars	5		Benzene	2.09E-01	2.39E-05
HY01_Cars	5		1,3-Butadiene	4.66E-02	5.32E-06
HY01_Cars	5		Ethylbenzene	8.90E-02	1.02E-05
HY01_Cars	5		Formaldehyde	1.34E-01	1.53E-05
HY01_Cars	5		Hexane	1.36E-01	1.55E-05
HY01_Cars	5		Methanol	1.02E-02	1.16E-06
HY01_Cars	5		Methyl Ethyl Ketone	1.70E-03	1.94E-07
HY01_Cars	5		Naphthalene	4.24E-03	4.84E-07
HY01_Cars	5		Propylene	2.59E-01	2.96E-05
HY01_Cars	5		Styrene	1.02E-02	1.16E-06
HY01_Cars	5 5		Toluene	4.88E-01	5.57E-05
HY01_Cars HY02_Cars	6	1330207		4.07E-01 3.79E-02	4.64E-05 4.33E-06
HY02_Cars	6		Acetaldehyde Acrolein	1.76E-02	4.33E-06 2.01E-06
HY02_Cars	6		Benzene	3.34E-01	3.82E-05
HY02_Cars	6		1,3-Butadiene	7.45E-02	8.50E-06
HY02_Cars	6		Ethylbenzene	1.42E-01	1.62E-05
HY02_Cars	6		Formaldehyde	2.14E-01	2.44E-05
HY02_Cars	6		Hexane	2.17E-01	2.47E-05
HY02_Cars	6		Methanol	1.62E-02	1.85E-06
HY02_Cars	6	78933	Methyl Ethyl Ketone	2.71E-03	3.09E-07
HY02_Cars	6	91203	Naphthalene	6.77E-03	7.73E-07
HY02_Cars	6	115071	Propylene	4.14E-01	4.73E-05
HY02_Cars	6		Styrene	1.62E-02	1.85E-06
HY02_Cars	6		Toluene	7.80E-01	8.90E-05
HY02_Cars	6	1330207		6.50E-01	7.42E-05
PEN3_Cars	7		Acetaldehyde	1.91E-02	2.18E-06
PEN3_Cars	7		Acrolein	8.88E-03	1.01E-06
PEN3_Cars	7		Benzene	1.69E-01	1.93E-05
PEN3_Cars	7		1,3-Butadiene	3.76E-02	4.29E-06
PEN3_Cars	7		Ethylbenzene	7.17E-02	8.19E-06
PEN3_Cars	7		Formaldehyde	1.08E-01	1.23E-05
PEN3_Cars	7		Hexane Methanol	1.09E-01	1.25E-05
PEN3_Cars PEN3_Cars	7		Methyl Ethyl Kotono	8.20E-03 1.37E-03	9.36E-07
	7		Methyl Ethyl Ketone Naphthalene	3.42E-03	1.56E-07
PEN3_Cars PEN3_Cars	7		Propylene	2.09E-01	3.90E-07 2.39E-05
PEN3_Cars	7		Styrene	8.20E-03	9.36E-07

PEN3_Cars	7	108883	Toluene	3.94E-01	4.49E-05
PEN3_Cars	7	1330207		3.28E-01	3.74E-05
PEN4_Cars	8		Acetaldehyde	2.62E-02	2.99E-06
PEN4_Cars	8		Acrolein	1.22E-02	1.39E-06
PEN4_Cars	8		Benzene	2.31E-01	2.64E-05
PEN4_Cars	8		1,3-Butadiene	5.15E-02	5.88E-06
PEN4_Cars	8		Ethylbenzene	9.83E-02	1.12E-05
PEN4_Cars	8		Formaldehyde	1.48E-01	1.69E-05
PEN4_Cars	8		Hexane	1.50E-01	1.71E-05
PEN4_Cars	8		Methanol	1.12E-02	1.28E-06
PEN4_Cars	8		Methyl Ethyl Ketone	1.87E-03	2.14E-07
PEN4_Cars	8		Naphthalene	4.68E-03	5.34E-07
PEN4_Cars	8		Propylene	2.86E-01	3.27E-05
PEN4_Cars	8		Styrene	1.12E-02	1.28E-06
PEN4_Cars	8		Toluene	5.39E-01	6.16E-05
PEN4_Cars	8	1330207		4.49E-01	5.13E-05
WTX1_Cars	9		Acetaldehyde	7.08E-03	8.09E-07
WTX1_Cars	9		Acrolein	3.29E-03	3.75E-07
WTX1_Cars	9		Benzene	6.25E-02	7.13E-06
WTX1_Cars	9		1,3-Butadiene	1.39E-02	1.59E-06
WTX1_Cars	9		Ethylbenzene	2.66E-02	3.03E-06
WTX1_Cars	9		Formaldehyde	4.00E-02	4.56E-06
WTX1_Cars	9		Hexane	4.05E-02	4.62E-06
WTX1_Cars	9		Methanol	3.04E-03	3.47E-07
WTX1_Cars	9		Methyl Ethyl Ketone	5.06E-04	5.78E-08
WTX1_Cars	9		Naphthalene	1.27E-03	1.44E-07
WTX1_Cars	9		Propylene	7.74E-02	8.84E-06
WTX1_Cars	9		Styrene	3.04E-03	3.47E-07
WTX1_Cars	9		Toluene	1.46E-01	1.66E-05
WTX1_Cars	9	1330207	Xylenes	1.21E-01	1.39E-05
BEK1_Cars	10	75070	Acetaldehyde	2.44E-02	2.79E-06
BEK1_Cars	10		Acrolein	1.13E-02	1.30E-06
BEK1_Cars	10	71432	Benzene	2.16E-01	2.46E-05
BEK1_Cars	10	106990	1,3-Butadiene	4.80E-02	5.48E-06
BEK1_Cars	10		Ethylbenzene	9.17E-02	1.05E-05
BEK1_Cars	10	50000	Formaldehyde	1.38E-01	1.57E-05
BEK1_Cars	10	110543	Hexane	1.40E-01	1.59E-05
BEK1_Cars	10		Methanol	1.05E-02	1.20E-06
BEK1_Cars	10	78933	Methyl Ethyl Ketone	1.75E-03	1.99E-07
BEK1_Cars	10		Naphthalene	4.36E-03	4.98E-07
BEK1_Cars	10		Propylene	2.67E-01	3.05E-05
BEK1_Cars	10		Styrene	1.05E-02	1.20E-06
BEK1_Cars	10		Toluene	5.03E-01	5.74E-05
BEK1_Cars	10	1330207		4.19E-01	4.78E-05
BEK2_Cars	11		Acetaldehyde	2.44E-02	2.79E-06
BEK2_Cars	11		Acrolein	1.13E-02	1.30E-06
BEK2_Cars	11	71432	Benzene	2.16E-01	2.46E-05

BEK2_Cars	11	106000	1,3-Butadiene	4.80E-02	5.48E-06
BEK2_Cars	11		Ethylbenzene	9.17E-02	1.05E-05
BEK2_Cars	11		Formaldehyde	1.38E-01	1.57E-05
BEK2_Cars	11		Hexane	1.40E-01	1.59E-05
BEK2_Cars	11		Methanol	1.05E-02	1.20E-06
BEK2_Cars	11		Methyl Ethyl Ketone	1.75E-03	1.99E-07
BEK2_Cars	11		Naphthalene	4.36E-03	4.98E-07
BEK2_Cars	11		Propylene	2.67E-01	3.05E-05
BEK2_Cars	11		Styrene	1.05E-02	1.20E-06
BEK2_Cars	11		Toluene	5.03E-01	5.74E-05
BEK2_Cars	11	1330207		4.19E-01	4.78E-05
COR3_Cars	12		Acetaldehyde	3.54E-03	4.04E-07
COR3_Cars	12		Acrolein	1.64E-03	1.88E-07
COR3_Cars	12		Benzene	3.12E-02	3.57E-06
COR3_Cars	12		1,3-Butadiene	6.96E-03	7.94E-07
COR3_Cars	12		Ethylbenzene	1.33E-02	1.52E-06
COR3_Cars	12		Formaldehyde	2.00E-02	2.28E-06
COR3_Cars	12		Hexane	2.02E-02	2.31E-06
COR3_Cars	12		Methanol	1.52E-03	1.73E-07
COR3_Cars	12	78933	Methyl Ethyl Ketone	2.53E-04	2.89E-08
COR3_Cars	12		Naphthalene	6.33E-04	7.22E-08
COR3_Cars	12		Propylene	3.87E-02	4.42E-06
COR3_Cars	12		Styrene	1.52E-03	1.73E-07
COR3_Cars	12	108883	Toluene	7.29E-02	8.32E-06
COR3_Cars	12	1330207	Xylenes	6.07E-02	6.93E-06
BEK3_Cars	13	75070	Acetaldehyde	9.21E-03	1.05E-06
BEK3_Cars	13	107028	Acrolein	4.28E-03	4.88E-07
BEK3_Cars	13		Benzene	8.12E-02	9.27E-06
BEK3_Cars	13		1,3-Butadiene	1.81E-02	2.07E-06
BEK3_Cars	13		Ethylbenzene	3.45E-02	3.94E-06
BEK3_Cars	13		Formaldehyde	5.20E-02	5.93E-06
BEK3_Cars	13		Hexane	5.26E-02	6.01E-06
BEK3_Cars	13		Methanol	3.95E-03	4.51E-07
BEK3_Cars	13		Methyl Ethyl Ketone	6.58E-04	7.51E-08
BEK3_Cars	13		Naphthalene	1.64E-03	1.88E-07
BEK3_Cars	13		Propylene	1.01E-01	1.15E-05
BEK3_Cars	13		Styrene	3.95E-03	4.51E-07
BEK3_Cars	13		Toluene	1.89E-01	2.16E-05
BEK3_Cars	13	1330207		1.58E-01	1.80E-05
BEK4_Cars	14		Acetaldehyde	3.54E-03	4.04E-07
BEK4_Cars	14		Acrolein	1.64E-03	1.88E-07
BEK4_Cars	14		Benzene	3.12E-02	3.57E-06
BEK4_Cars	14 14		1,3-Butadiene	6.96E-03 1.33E-02	7.94E-07
BEK4_Cars	14		Ethylbenzene Formaldehyde		1.52E-06
BEK4_Cars			Formaldehyde	2.00E-02 2.02E-02	2.28E-06
BEK4_Cars	14		Hexane Methanel		2.31E-06
BEK4_Cars	14	0/561	Methanol	1.52E-03	1.73E-07

BEK4_Cars 14 91203 Naphthalene 6.33E-04 7.22E- BEK4_Cars 14 115071 Propylene 3.87E-02 4.42E- BEK4_Cars 14 100425 Styrene 1.52E-03 1.73E- BEK4_Cars 14 108883 Toluene 7.29E-02 8.32E- BEK5_Cars 15 75070 Acetaldehyde 5.67E-03 6.47E- BEK5_Cars 15 107028 Acrolein 2.638-03 3.00E- BEK5_Cars 15 107028 Acrolein 2.636-03 3.00E- BEK5_Cars 15 106990 1.3-Butadiene 1.11E-02 1.27E- BEK5_Cars 15 100414 Ethylbenzene 2.13E-02 2.35E- BEK5_Cars 15 100414 Ethylbenzene 2.13E-02 2.35E- BEK5_Cars 15 100414 Ethylbenzene 2.13E-02 2.35E- BEK5_Cars 15 10561 Methanol 2.43E-03 2.77E- BEK5_Cars </th <th>DEI/A Como</th> <th>1.4</th> <th>70022</th> <th>NA-A J CAL- J IZ-A</th> <th>2 525 04</th> <th>2.005.00</th>	DEI/A Como	1.4	70022	NA-A J CAL- J IZ-A	2 525 04	2.005.00
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	CBN2_Cars	17			0.00E+00	

CBN2_Cars	17	1330207	Vylonos	0.00E+00	0.00E+00
HY03_Cars	18		Acetaldehyde	2.09E-02	2.39E-06
HY03_Cars	18		Acrolein	9.70E-03	1.11E-06
HY03_Cars	18		Benzene	1.84E-01	2.10E-05
HY03_Cars	18		1,3-Butadiene	4.11E-02	4.69E-06
HY03_Cars	18		Ethylbenzene	7.84E-02	8.95E-06
HY03_Cars	18		Formaldehyde	1.18E-01	1.35E-05
HY03_Cars	18		Hexane	1.19E-01	1.36E-05
HY03_Cars	18		Methanol	8.96E-03	1.02E-06
HY03_Cars	18		Methyl Ethyl Ketone	1.49E-03	1.70E-07
HY03_Cars	18		Naphthalene	3.73E-03	
HY03_Cars	18		Propylene	2.28E-01	2.61E-05
HY03_Cars	18		Styrene	8.96E-03	1.02E-06
HY03_Cars	18		Toluene	4.30E-01	4.91E-05
HY03_Cars	18	1330207		3.58E-01	4.09E-05
HY04_Cars	19		Acetaldehyde	1.77E-03	2.02E-07
HY04_Cars	19		Acrolein	8.22E-04	9.39E-08
HY04_Cars	19		Benzene	1.56E-02	1.78E-06
HY04_Cars	19		1,3-Butadiene	3.48E-03	3.97E-07
HY04_Cars	19		Ethylbenzene	6.64E-03	7.58E-07
HY04_Cars	19		Formaldehyde	9.99E-03	1.14E-06
HY04_Cars	19		Hexane	1.01E-02	1.16E-06
HY04_Cars	19		Methanol	7.59E-04	8.67E-08
HY04_Cars	19	78933	Methyl Ethyl Ketone	1.27E-04	1.44E-08
HY04_Cars	19		Naphthalene	3.16E-04	3.61E-08
HY04_Cars	19		Propylene	1.94E-02	2.21E-06
HY04_Cars	19	100425	Styrene	7.59E-04	8.67E-08
HY04_Cars	19		Toluene	3.64E-02	4.16E-06
HY04_Cars	19	1330207	Xylenes	3.04E-02	3.47E-06
HY05_Cars	20	75070	Acetaldehyde	2.69E-02	3.07E-06
HY05_Cars	20		Acrolein	1.25E-02	1.43E-06
HY05_Cars	20		Benzene	2.37E-01	2.71E-05
HY05_Cars	20		1,3-Butadiene	5.29E-02	6.04E-06
HY05_Cars	20		Ethylbenzene	1.01E-01	1.15E-05
HY05_Cars	20		Formaldehyde	1.52E-01	1.73E-05
HY05_Cars	20		Hexane	1.54E-01	1.76E-05
HY05_Cars	20		Methanol	1.15E-02	1.32E-06
HY05_Cars	20		Methyl Ethyl Ketone	1.92E-03	2.20E-07
HY05_Cars	20		Naphthalene	4.81E-03	5.49E-07
HY05_Cars	20		Propylene	2.94E-01	3.36E-05
HY05_Cars	20		Styrene	1.15E-02	1.32E-06
HY05_Cars	20		Toluene	5.54E-01	6.32E-05
HY05_Cars	20	1330207	, ,	4.62E-01	5.27E-05
HY06_Cars	21		Acetaldehyde	3.72E-02	4.25E-06
HY06_Cars	21		Acrolein	1.73E-02	1.97E-06
HY06_Cars	21		Benzene	3.28E-01	3.75E-05
HY06_Cars	21	106990	1,3-Butadiene	7.31E-02	8.34E-06

HY06_Cars	21	100414	Ethylbenzene	1.39E-01	1.59E-05
HY06_Cars	21		Formaldehyde	2.10E-01	2.40E-05
HY06_Cars	21		Hexane	2.13E-01	2.43E-05
HY06_Cars	21	67561	Methanol	1.59E-02	1.82E-06
HY06_Cars	21		Methyl Ethyl Ketone	2.66E-03	3.03E-07
HY06_Cars	21		Naphthalene	6.64E-03	7.58E-07
HY06_Cars	21		Propylene	4.06E-01	4.64E-05
HY06_Cars	21		Styrene	1.59E-02	1.82E-06
HY06_Cars	21		Toluene	7.65E-01	8.73E-05
HY06_Cars	21	1330207		6.38E-01	7.28E-05
PEN1_Trucks	22		Acetaldehyde	4.88E-01	5.57E-05
PEN1_Trucks	22	107028	Acrolein	2.26E-01	2.58E-05
PEN1_Trucks	22		Benzene	4.30E+00	4.91E-04
PEN1_Trucks	22		1,3-Butadiene	9.58E-01	1.09E-04
PEN1_Trucks	22		Ethylbenzene	1.83E+00	2.09E-04
PEN1_Trucks	22		Formaldehyde	2.75E+00	3.14E-04
PEN1_Trucks	22		Hexane	2.79E+00	3.18E-04
PEN1_Trucks	22		Methanol	2.09E-01	2.39E-05
PEN1_Trucks	22		Methyl Ethyl Ketone	3.48E-02	3.98E-06
PEN1_Trucks	22		Naphthalene	8.71E-02	9.94E-06
PEN1_Trucks	22		Propylene	5.33E+00	6.08E-04
PEN1_Trucks	22	100425	Styrene	2.09E-01	2.39E-05
PEN1_Trucks	22		Toluene	1.00E+01	1.15E-03
PEN1_Trucks	22	1330207		8.36E+00	9.54E-04
COR1_Trucks	23		Acetaldehyde	3.03E-03	3.46E-07
COR1_Trucks	23		Acrolein	1.41E-03	1.61E-07
COR1_Trucks	23		Benzene	2.67E-02	3.05E-06
COR1_Trucks	23		1,3-Butadiene	5.95E-03	6.79E-07
COR1_Trucks	23		Ethylbenzene	1.14E-02	1.30E-06
COR1_Trucks	23		Formaldehyde	1.71E-02	1.95E-06
COR1_Trucks	23	110543	Hexane	1.73E-02	1.98E-06
COR1_Trucks	23	67561	Methanol	1.30E-03	1.48E-07
COR1_Trucks	23	78933	Methyl Ethyl Ketone	2.16E-04	2.47E-08
COR1_Trucks	23		Naphthalene	5.41E-04	6.18E-08
COR1_Trucks	23	115071	Propylene	3.31E-02	3.78E-06
COR1_Trucks	23	100425	Styrene	1.30E-03	1.48E-07
COR1_Trucks	23	108883	Toluene	6.23E-02	7.11E-06
COR1_Trucks	23	1330207		5.19E-02	5.93E-06
COR2_Trucks	24	75070	Acetaldehyde	5.15E-02	5.88E-06
COR2_Trucks	24		Acrolein	2.39E-02	2.73E-06
COR2_Trucks	24	71432	Benzene	4.54E-01	5.19E-05
COR2_Trucks	24	106990	1,3-Butadiene	1.01E-01	1.15E-05
COR2_Trucks	24	100414	Ethylbenzene	1.93E-01	2.20E-05
COR2_Trucks	24		Formaldehyde	2.91E-01	3.32E-05
COR2_Trucks	24	110543	Hexane	2.94E-01	3.36E-05
COR2_Trucks	24	67561	Methanol	2.21E-02	2.52E-06
COR2_Trucks	24	78933	Methyl Ethyl Ketone	3.68E-03	4.20E-07

COR2_Trucks	24	91203	Naphthalene	9.20E-03	1.05E-06
COR2_Trucks	24		Propylene	5.63E-01	6.42E-05
COR2_Trucks	24		Styrene	2.21E-02	2.52E-06
COR2_Trucks	24		Toluene	1.06E+00	1.21E-04
COR2_Trucks	24	1330207	Xylenes	8.83E-01	1.01E-04
PEN2_Trucks	25		Acetaldehyde	5.55E-02	6.34E-06
PEN2_Trucks	25		Acrolein	2.58E-02	2.94E-06
PEN2_Trucks	25		Benzene	4.90E-01	5.59E-05
PEN2_Trucks	25		1,3-Butadiene	1.09E-01	1.25E-05
PEN2_Trucks	25	100414	Ethylbenzene	2.08E-01	2.38E-05
PEN2_Trucks	25		Formaldehyde	3.13E-01	3.58E-05
PEN2_Trucks	25		Hexane	3.17E-01	3.62E-05
PEN2_Trucks	25	67561	Methanol	2.38E-02	2.72E-06
PEN2_Trucks	25	78933	Methyl Ethyl Ketone	3.97E-03	4.53E-07
PEN2_Trucks	25		Naphthalene	9.92E-03	1.13E-06
PEN2_Trucks	25	115071	Propylene	6.07E-01	6.93E-05
PEN2_Trucks	25	100425	Styrene	2.38E-02	2.72E-06
PEN2_Trucks	25		Toluene	1.14E+00	1.30E-04
PEN2_Trucks	25	1330207	Xylenes	9.52E-01	1.09E-04
HY01_Trucks	26	75070	Acetaldehyde	6.77E-02	7.72E-06
HY01_Trucks	26	107028	Acrolein	3.14E-02	3.59E-06
HY01_Trucks	26	71432	Benzene	5.97E-01	6.81E-05
HY01_Trucks	26		1,3-Butadiene	1.33E-01	1.52E-05
HY01_Trucks	26		Ethylbenzene	2.54E-01	2.90E-05
HY01_Trucks	26		Formaldehyde	3.82E-01	4.36E-05
HY01_Trucks	26		Hexane	3.87E-01	4.41E-05
HY01_Trucks	26		Methanol	2.90E-02	3.31E-06
HY01_Trucks	26		Methyl Ethyl Ketone	4.83E-03	5.52E-07
HY01_Trucks	26		Naphthalene	1.21E-02	1.38E-06
HY01_Trucks	26		Propylene	7.39E-01	8.44E-05
HY01_Trucks	26		Styrene	2.90E-02	3.31E-06
HY01_Trucks	26		Toluene	1.39E+00	1.59E-04
HY01_Trucks	26	1330207	J	1.16E+00	1.32E-04
HY02_Trucks	27		Acetaldehyde	1.08E-01	1.23E-05
HY02_Trucks	27		Acrolein	5.02E-02	5.73E-06
HY02_Trucks	27		Benzene	9.53E-01	1.09E-04
HY02_Trucks	27		1,3-Butadiene	2.12E-01	2.42E-05
HY02_Trucks	27		Ethylbenzene	4.05E-01	4.63E-05
HY02_Trucks	27		Formaldehyde	6.10E-01	6.96E-05
HY02_Trucks	27		Hexane	6.17E-01	7.05E-05
HY02_Trucks	27		Methanol	4.63E-02	5.29E-06
HY02_Trucks	27		Methyl Ethyl Ketone	7.72E-03	8.81E-07
HY02_Trucks	27		Naphthalene	1.93E-02	2.20E-06
HY02_Trucks	27		Propylene	1.18E+00	1.35E-04
HY02_Trucks	27		Styrene	4.63E-02	5.29E-06
HY02_Trucks	27		Toluene	2.22E+00	2.54E-04
HY02_Trucks	27	1330207	xyienes	1.85E+00	2.11E-04

PEN3_Trucks	28	75070	Acetaldehyde	5.45E-02	6.22E-06
PEN3_Trucks	28	107028	Acrolein	2.53E-02	2.89E-06
PEN3_Trucks	28	71432	Benzene	4.81E-01	5.49E-05
PEN3_Trucks	28	106990	1,3-Butadiene	1.07E-01	1.22E-05
PEN3_Trucks	28		Ethylbenzene	2.04E-01	2.33E-05
PEN3_Trucks	28		Formaldehyde	3.08E-01	3.51E-05
PEN3_Trucks	28	110543	Hexane	3.12E-01	3.56E-05
PEN3_Trucks	28		Methanol	2.34E-02	2.67E-06
PEN3_Trucks	28		Methyl Ethyl Ketone	3.89E-03	4.45E-07
PEN3_Trucks	28		Naphthalene	9.74E-03	1.11E-06
PEN3_Trucks	28		Propylene	5.96E-01	6.80E-05
PEN3_Trucks	28	100425	Styrene	2.34E-02	2.67E-06
PEN3_Trucks	28		Toluene	1.12E+00	1.28E-04
PEN3_Trucks	28	1330207		9.35E-01	1.07E-04
PEN4_Trucks	29		Acetaldehyde	7.47E-02	8.53E-06
PEN4_Trucks	29		Acrolein	3.47E-02	3.96E-06
PEN4_Trucks	29		Benzene	6.59E-01	7.52E-05
PEN4_Trucks	29		1,3-Butadiene	1.47E-01	1.68E-05
PEN4_Trucks	29		Ethylbenzene	2.80E-01	3.20E-05
PEN4_Trucks	29		Formaldehyde	4.22E-01	4.81E-05
PEN4_Trucks	29		Hexane	4.27E-01	4.87E-05
PEN4_Trucks	29		Methanol	3.20E-02	3.66E-06
PEN4_Trucks	29		Methyl Ethyl Ketone	5.34E-03	6.09E-07
PEN4_Trucks	29		Naphthalene	1.33E-02	1.52E-06
PEN4_Trucks	29		Propylene	8.17E-01	9.32E-05
PEN4_Trucks	29		Styrene	3.20E-02	3.66E-06
PEN4_Trucks	29		Toluene	1.54E+00	1.75E-04
PEN4_Trucks	29	1330207		1.28E+00	1.46E-04
WTX1_Trucks	30		Acetaldehyde	2.02E-02	2.31E-06
WTX1_Trucks	30		Acrolein	9.38E-03	1.07E-06
WTX1_Trucks	30		Benzene	1.78E-01	2.03E-05
WTX1_Trucks	30	106990	1,3-Butadiene	3.97E-02	4.53E-06
WTX1_Trucks	30		Ethylbenzene	7.57E-02	8.65E-06
WTX1_Trucks	30		Formaldehyde	1.14E-01	1.30E-05
WTX1_Trucks	30		Hexane	1.15E-01	1.32E-05
WTX1_Trucks	30		Methanol	8.65E-03	9.88E-07
WTX1_Trucks	30		Methyl Ethyl Ketone	1.44E-03	1.65E-07
WTX1_Trucks	30		Naphthalene	3.61E-03	4.12E-07
WTX1_Trucks	30		Propylene	2.21E-01	2.52E-05
WTX1_Trucks	30		Styrene	8.65E-03	9.88E-07
WTX1_Trucks	30		Toluene	4.15E-01	4.74E-05
WTX1_Trucks	30	1330207		3.46E-01	3.95E-05
BEK1_Trucks	31		Acetaldehyde	6.97E-02	7.95E-06
BEK1_Trucks	31		Acrolein	3.23E-02	3.69E-06
BEK1_Trucks	31		Benzene	6.15E-01	7.02E-05
BEK1_Trucks	31		1,3-Butadiene	1.37E-01	1.56E-05
BEK1_Trucks	31		Ethylbenzene	2.61E-01	2.98E-05
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BEK1_Trucks	31		Formaldehyde	3.93E-01	4.49E-05
BEK1_Trucks	31		Hexane	3.98E-01	4.54E-05
BEK1_Trucks	31		Methanol	2.99E-02	3.41E-06
BEK1_Trucks	31		Methyl Ethyl Ketone	4.98E-03	5.68E-07
BEK1_Trucks	31		Naphthalene	1.24E-02	1.42E-06
BEK1_Trucks	31		Propylene	7.61E-01	8.69E-05
BEK1_Trucks	31		Styrene	2.99E-02	3.41E-06
BEK1_Trucks	31		Toluene	1.43E+00	1.64E-04
BEK1_Trucks	31	1330207		1.19E+00	1.36E-04
BEK2_Trucks	32		Acetaldehyde	6.97E-02	7.95E-06
BEK2_Trucks	32		Acrolein	3.23E-02	3.69E-06
BEK2_Trucks	32		Benzene	6.15E-01	7.02E-05
BEK2_Trucks	32		1,3-Butadiene	1.37E-01	1.56E-05
BEK2_Trucks	32		Ethylbenzene	2.61E-01	2.98E-05
BEK2_Trucks	32		Formaldehyde	3.93E-01	4.49E-05
BEK2_Trucks	32		Hexane	3.98E-01	4.54E-05
BEK2_Trucks	32		Methanol	2.99E-02	3.41E-06
BEK2_Trucks	32		Methyl Ethyl Ketone	4.98E-03	5.68E-07
BEK2_Trucks	32		Naphthalene	1.24E-02	1.42E-06
BEK2_Trucks	32		Propylene	7.61E-01	8.69E-05
BEK2_Trucks	32		Styrene	2.99E-02	3.41E-06
BEK2_Trucks	32		Toluene	1.43E+00	1.64E-04
BEK2_Trucks	32	1330207	,	1.19E+00	1.36E-04
HY04_Cars	19		Acetaldehyde	5.05E-03	5.76E-07
COR3_Trucks	33		Acrolein	4.69E-03	5.35E-07
COR3_Trucks	33		Benzene	8.91E-02	1.02E-05
COR3_Trucks	33		1,3-Butadiene	1.98E-02	2.26E-06
COR3_Trucks	33	100414	Ethylbenzene	3.79E-02	4.32E-06
COR3_Trucks	33		Formaldehyde	5.70E-02	6.50E-06
COR3_Trucks	33		Hexane	5.77E-02	6.59E-06
COR3_Trucks	33		Methanol	4.33E-03	
COR3_Trucks	33		Methyl Ethyl Ketone	7.21E-04	8.23E-08
COR3_Trucks	33		Naphthalene	1.80E-03	2.06E-07
COR3_Trucks	33		Propylene	1.10E-01	1.26E-05
COR3_Trucks	33		Styrene	4.33E-03	4.94E-07
COR3_Trucks	33		Toluene	2.08E-01	2.37E-05
COR3_Trucks	33	1330207	,	1.73E-01	1.98E-05
BEK3_Trucks	34		Acetaldehyde	2.63E-02	3.00E-06
BEK3_Trucks	34		Acrolein	1.22E-02	1.39E-06
BEK3_Trucks	34		Benzene	2.32E-01	2.64E-05
BEK3_Trucks	34		1,3-Butadiene	5.16E-02	5.89E-06
BEK3_Trucks	34		Ethylbenzene	9.85E-02	1.12E-05
BEK3_Trucks	34		Formaldehyde	1.48E-01	1.69E-05
BEK3_Trucks	34		Hexane	1.50E-01	1.71E-05
BEK3_Trucks	34		Methanol	1.13E-02	1.28E-06
BEK3_Trucks	34		Methyl Ethyl Ketone	1.88E-03	2.14E-07
BEK3_Trucks	34	91203	Naphthalene	4.69E-03	5.35E-07

DEV2 Trucks	2.4	115071	Dramidana	2.075.01	2 205 05
BEK3_Trucks	34 34	115071	Propylene	2.87E-01	
BEK3_Trucks			Styrene	1.13E-02	
BEK3_Trucks	34		Toluene	5.40E-01	6.17E-05
BEK3_Trucks	34	1330207		4.50E-01	
BEK4_Trucks	35		Acetaldehyde	1.01E-02	
BEK4_Trucks	35		Acrolein	4.69E-03	
BEK4_Trucks	35		Benzene	8.91E-02	
BEK4_Trucks	35		1,3-Butadiene	1.98E-02	
BEK4_Trucks	35		Ethylbenzene	3.79E-02	
BEK4_Trucks	35 35		Formaldehyde	5.70E-02	6.50E-06
BEK4_Trucks	35		Hexane Methanol	5.77E-02 4.33E-03	6.59E-06 4.94E-07
BEK4_Trucks	35			7.21E-04	8.23E-08
BEK4_Trucks BEK4_Trucks	35		Methyl Ethyl Ketone Naphthalene	1.80E-03	
BEK4_Trucks	35		Propylene	1.10E-01	1.26E-05
BEK4_Trucks	35		Styrene	4.33E-03	
BEK4_Trucks	35		Toluene	2.08E-01	2.37E-05
BEK4_Trucks	35	1330207		1.73E-01	1.98E-05
BEK5_Trucks	36		Acetaldehyde	1.62E-02	1.84E-06
BEK5_Trucks	36		Acrolein	7.50E-03	
BEK5_Trucks	36		Benzene	1.43E-01	1.63E-05
BEK5_Trucks	36		1,3-Butadiene	3.17E-02	
BEK5_Trucks	36		Ethylbenzene	6.06E-02	6.92E-06
BEK5_Trucks	36		Formaldehyde	9.12E-02	1.04E-05
BEK5_Trucks	36		Hexane	9.23E-02	1.05E-05
BEK5_Trucks	36		Methanol	6.92E-03	
BEK5_Trucks	36		Methyl Ethyl Ketone	1.15E-03	
BEK5_Trucks	36		Naphthalene	2.88E-03	
BEK5_Trucks	36		Propylene	1.77E-01	2.02E-05
BEK5_Trucks	36		Styrene	6.92E-03	7.90E-07
BEK5_Trucks	36		Toluene	3.32E-01	
BEK5_Trucks	36	1330207		2.77E-01	
CBN1_Trucks	37	75070	Acetaldehyde	0.00E+00	0.00E+00
CBN1_Trucks	37		Acrolein	0.00E+00	0.00E+00
CBN1_Trucks	37	71432	Benzene	0.00E+00	0.00E+00
CBN1_Trucks	37	106990	1,3-Butadiene	0.00E+00	0.00E+00
CBN1_Trucks	37	100414	Ethylbenzene	0.00E+00	0.00E+00
CBN1_Trucks	37	50000	Formaldehyde	0.00E+00	0.00E+00
CBN1_Trucks	37	110543	Hexane	0.00E+00	0.00E+00
CBN1_Trucks	37	67561	Methanol	0.00E+00	0.00E+00
CBN1_Trucks	37		Methyl Ethyl Ketone	0.00E+00	
CBN1_Trucks	37		Naphthalene	0.00E+00	
CBN1_Trucks	37		Propylene	0.00E+00	
CBN1_Trucks	37		Styrene	0.00E+00	
CBN1_Trucks	37		Toluene	0.00E+00	
CBN1_Trucks	37	1330207	•	0.00E+00	
CBN2_Trucks	38	75070	Acetaldehyde	0.00E+00	0.00E+00

CBN2_Trucks	38		Acrolein	0.00E+00	0.00E+00
CBN2_Trucks	38	71432	Benzene	0.00E+00	0.00E+00
CBN2_Trucks	38		1,3-Butadiene	0.00E+00	0.00E+00
CBN2_Trucks	38	100414	Ethylbenzene	0.00E+00	0.00E+00
CBN2_Trucks	38	50000	Formaldehyde	0.00E+00	0.00E+00
CBN2_Trucks	38		Hexane	0.00E+00	0.00E+00
CBN2_Trucks	38	67561	Methanol	0.00E+00	0.00E+00
CBN2_Trucks	38		Methyl Ethyl Ketone	0.00E+00	0.00E+00
CBN2_Trucks	38	91203	Naphthalene	0.00E+00	0.00E+00
CBN2_Trucks	38	115071	Propylene	0.00E+00	0.00E+00
CBN2_Trucks	38		Styrene	0.00E+00	0.00E+00
CBN2_Trucks	38	108883	Toluene	0.00E+00	0.00E+00
CBN2_Trucks	38	1330207	Xylenes	0.00E+00	0.00E+00
HY03_Trucks	39	75070	Acetaldehyde	5.96E-02	6.80E-06
HY03_Trucks	39	107028	Acrolein	2.77E-02	3.16E-06
HY03_Trucks	39		Benzene	5.26E-01	6.00E-05
HY03_Trucks	39	106990	1,3-Butadiene	1.17E-01	1.34E-05
HY03_Trucks	39	100414	Ethylbenzene	2.23E-01	2.55E-05
HY03_Trucks	39	50000	Formaldehyde	3.36E-01	3.84E-05
HY03_Trucks	39	110543	Hexane	3.40E-01	3.89E-05
HY03_Trucks	39	67561	Methanol	2.55E-02	2.91E-06
HY03_Trucks	39	78933	Methyl Ethyl Ketone	4.26E-03	4.86E-07
HY03_Trucks	39		Naphthalene	1.06E-02	1.21E-06
HY03_Trucks	39	115071	Propylene	6.51E-01	7.43E-05
HY03_Trucks	39	100425	Styrene	2.55E-02	2.91E-06
HY03_Trucks	39	108883	Toluene	1.23E+00	1.40E-04
HY03_Trucks	39	1330207	Xylenes	1.02E+00	1.17E-04
HY04_Trucks	40	75070	Acetaldehyde	5.05E-03	5.76E-07
HY04_Trucks	40	107028	Acrolein	2.34E-03	2.68E-07
HY04_Trucks	40	71432	Benzene	4.45E-02	5.08E-06
HY04_Trucks	40	106990	1,3-Butadiene	9.92E-03	1.13E-06
HY04_Trucks	40	100414	Ethylbenzene	1.89E-02	2.16E-06
HY04_Trucks	40	50000	Formaldehyde	2.85E-02	3.25E-06
HY04_Trucks	40	110543	Hexane	2.88E-02	3.29E-06
HY04_Trucks	40	67561	Methanol	2.16E-03	2.47E-07
HY04_Trucks	40	78933	Methyl Ethyl Ketone	3.61E-04	4.12E-08
HY04_Trucks	40	91203	Naphthalene	9.02E-04	1.03E-07
HY04_Trucks	40		Propylene	5.52E-02	6.30E-06
HY04_Trucks	40	100425	Styrene	2.16E-03	2.47E-07
HY04_Trucks	40	108883	Toluene	1.04E-01	1.19E-05
HY04_Trucks	40	1330207	Xylenes	8.65E-02	9.88E-06
HY05_Trucks	41		Acetaldehyde	7.67E-02	8.76E-06
HY05_Trucks	41	107028	Acrolein	3.56E-02	4.07E-06
HY05_Trucks	41	71432	Benzene	6.77E-01	7.73E-05
HY05_Trucks	41	106990	1,3-Butadiene	1.51E-01	1.72E-05
HY05_Trucks	41	100414	Ethylbenzene	2.88E-01	3.29E-05
HY05_Trucks	41	50000	Formaldehyde	4.33E-01	4.94E-05

HY05_Trucks	41	110543	Hexane	4.39E-01	5.01E-05
HY05_Trucks	41	67561	Methanol	3.29E-02	3.75E-06
HY05_Trucks	41	78933	Methyl Ethyl Ketone	5.48E-03	6.26E-07
HY05_Trucks	41	91203	Naphthalene	1.37E-02	1.56E-06
HY05_Trucks	41	115071	Propylene	8.39E-01	9.57E-05
HY05_Trucks	41	100425	Styrene	3.29E-02	3.75E-06
HY05_Trucks	41	108883	Toluene	1.58E+00	1.80E-04
HY05_Trucks	41	1330207	Xylenes	1.32E+00	1.50E-04
HY06_Trucks	42	75070	Acetaldehyde	1.06E-01	1.21E-05
HY06_Trucks	42	107028	Acrolein	4.92E-02	5.62E-06
HY06_Trucks	42	71432	Benzene	9.35E-01	1.07E-04
HY06_Trucks	42	106990	1,3-Butadiene	2.08E-01	2.38E-05
HY06_Trucks	42	100414	Ethylbenzene	3.98E-01	4.54E-05
HY06_Trucks	42	50000	Formaldehyde	5.98E-01	6.83E-05
HY06_Trucks	42	110543	Hexane	6.06E-01	6.92E-05
HY06_Trucks	42	67561	Methanol	4.54E-02	5.19E-06
HY06_Trucks	42	78933	Methyl Ethyl Ketone	7.57E-03	8.65E-07
HY06_Trucks	42	91203	Naphthalene	1.89E-02	2.16E-06
HY06_Trucks	42	115071	Propylene	1.16E+00	1.32E-04
HY06_Trucks	42	100425	Styrene	4.54E-02	5.19E-06
HY06_Trucks	42	108883	Toluene	2.18E+00	2.49E-04
HY06_Trucks	42	1330207	Xylenes	1.82E+00	2.07E-04

Mitigated (Full Build Ops - Onsite) SRC ID SRC No. CAS **Pollutant** lb/yr lb/hr GEN_A 1 9901 DieselExhPM 1.40E+00 0.00E+002 GEN_BC 9901 DieselExhPM 1.40E+00 0.00E + 00GEN D 3 9901 DieselExhPM 1.40E+00 0.00E+00 9901 DieselExhPM 1.40E+00 0.00E+00 GEN_E 4 GEN F 5 9901 DieselExhPM 1.40E+00 0.00E+006 0.00E+00 GEN G 9901 DieselExhPM 1.40E+00 7 FWP A 9901 DieselExhPM 9.86E-01 0.00E + 00FWP_BC 8 9901 DieselExhPM 9.86E-01 0.00E+00 9 FWP_D 9901 DieselExhPM 9.86E-01 0.00E + 00FWP E 10 9901 DieselExhPM 9.86E-01 0.00E + 009901 DieselExhPM FWP F 11 9.86E-01 0.00E+00FWP_G 12 9901 DieselExhPM 9.86E-01 0.00E+0013 9901 DieselExhPM 0.00E+00 TRU A 2.65E+00 TRU_BC 14 9901 DieselExhPM 1.29E+01 0.00E+00 15 1.49E+00 TRU D 9901 DieselExhPM 0.00E + 00TRU E 16 9901 DieselExhPM 1.49E+00 0.00E+0017 TRU F 9901 DieselExhPM 2.46E+00 0.00E + 00TRU_G 18 9901 DieselExhPM 2.01E+00 0.00E+00 FLA 19 9901 DieselExhPM 0.00E+00 0.00E+00 FLB 20 9901 DieselExhPM 0.00E + 000.00E + 000.00E+00 FLD 21 9901 DieselExhPM 0.00E + 00FLE 22 9901 DieselExhPM 0.00E + 000.00E+00FLF 23 9901 DieselExhPM 0.00E+00 0.00E + 00FLG 24 9901 DieselExhPM 0.00E+00 0.00E+00 **CARS** 25 9901 DieselExhPM 3.31E+00 0.00E+00TRUCKS 26 0.00E+00 9901 DieselExhPM 2.14E-01 25 **CARS** 75070 Acetaldehyde 1.12E+00 1.28E-04 CARS 25 5.95E-05 107028 Acrolein 5.22E-01 CARS 25 9.91E+00 1.13E-03 71432 Benzene **CARS** 25 106990 1,3-Butadiene 2.21E+00 2.52E-04 25 **CARS** 100414 Ethylbenzene 4.21E+00 4.81E-04 50000 Formaldehyde **CARS** 25 7.24E-04 6.34E+00 CARS 25 110543 Hexane 6.42E+00 7.33E-04 CARS 25 67561 Methanol 4.81E-01 5.50E-05 CARS 25 78933 Methyl Ethyl Ketone 8.02E-02 9.16E-06 **CARS** 25 91203 Naphthalene 2.01E-01 2.29E-05 CARS 25 115071 Propylene 1.23E+01 1.40E-03 **CARS** 25 100425 Styrene 4.81E-01 5.50E-05 CARS 25 108883 Toluene 2.31E+01 2.64E-03 CARS 25 1330207 Xylenes 1.93E+01 2.20E-03 **TRUCKS** 26 75070 Acetaldehyde 5.19E-04 5.93E-08 **TRUCKS** 26 107028 Acrolein 2.41E-04 2.75E-08 TRUCKS 26 71432 Benzene 4.58E-03 5.23E-07 1.16E-07 TRUCKS 26 106990 1,3-Butadiene 1.02E-03

TRUCKS	26	100414	Ethylbenzene	1.95E-03	2.22E-07
TRUCKS	26	50000	Formaldehyde	2.93E-03	3.35E-07
TRUCKS	26	110543	Hexane	2.97E-03	3.39E-07
TRUCKS	26	67561	Methanol	2.23E-04	2.54E-08
TRUCKS	26	78933	Methyl Ethyl Ketone	3.71E-05	4.24E-09
TRUCKS	26	91203	Naphthalene	9.28E-05	1.06E-08
TRUCKS	26	115071	Propylene	5.68E-03	6.48E-07
TRUCKS	26	100425	Styrene	2.23E-04	2.54E-08
TRUCKS	26	108883	Toluene	1.07E-02	1.22E-06
TRUCKS	26	1330207	Xylenes	8.90E-03	1.02E-06

Mitigated (Interim Ops - Offsite) SRC ID SRC No. CAS **Pollutant** lb/yr lb/hr PEN1_Cars 1 9901 DieselExhPM 1.43E+00 0.00E+002 COR1_Cars 9901 DieselExhPM 8.90E-03 0.00E+00COR2_Cars 3 9901 DieselExhPM 0.00E+00 1.51E-01 PEN2_Cars 4 9901 DieselExhPM 1.63E-01 0.00E+00HY01 Cars 5 9901 DieselExhPM 1.99E-01 0.00E+006 9901 DieselExhPM HY02_Cars 3.17E-01 0.00E+00PEN3_Cars 7 9901 DieselExhPM 1.60E-01 0.00E+00PEN4 Cars 8 9901 DieselExhPM 2.20E-01 0.00E+00 WTX1_Cars 9 9901 DieselExhPM 5.93E-02 0.00E+00BEK1 Cars 10 9901 DieselExhPM 0.00E+002.05E-01 BEK2 Cars 9901 DieselExhPM 0.00E+0011 2.05E-01 COR3_Cars 12 9901 DieselExhPM 2.97E-02 0.00E+00BEK3_Cars 13 9901 DieselExhPM 7.71E-02 0.00E+00BEK4 Cars 9901 DieselExhPM 2.97E-02 0.00E+00 14 BEK5_Cars 9901 DieselExhPM 4.75E-02 15 0.00E + 00CBN1 Cars 16 9901 DieselExhPM 0.00E+000.00E+00CBN2_Cars 17 9901 DieselExhPM 0.00E + 000.00E+00HY03_Cars 18 9901 DieselExhPM 1.75E-01 0.00E+00HY04 Cars 19 9901 DieselExhPM 1.48E-02 0.00E+0020 HY05_Cars 9901 DieselExhPM 2.25E-01 0.00E+00HY06_Cars 21 9901 DieselExhPM 3.12E-01 0.00E+00PEN1_Trucks 22 9901 DieselExhPM 0.00E+003.15E+00 COR1_Trucks 23 9901 DieselExhPM 1.96E-02 0.00E+00COR2 Trucks 24 9901 DieselExhPM 3.33E-01 0.00E+00PEN2_Trucks 25 9901 DieselExhPM 3.59E-01 0.00E+004.37E-01 HY01_Trucks 26 9901 DieselExhPM 0.00E + 00HY02_Trucks 27 9901 DieselExhPM 0.00E+006.98E-01 PEN3_Trucks 28 9901 DieselExhPM 0.00E+003.52E-01 PEN4_Trucks 29 9901 DieselExhPM 4.83E-01 0.00E+00WTX1 Trucks 30 9901 DieselExhPM 1.31E-01 0.00E+00BEK1_Trucks 31 9901 DieselExhPM 4.50E-01 0.00E+009901 DieselExhPM BEK2_Trucks 32 4.50E-01 0.00E+00COR3_Trucks 33 9901 DieselExhPM 0.00E+006.53E-02 BEK3_Trucks 34 9901 DieselExhPM 1.70E-01 0.00E+00BEK4_Trucks 35 9901 DieselExhPM 6.53E-02 0.00E+009901 DieselExhPM BEK5_Trucks 0.00E+0036 1.04E-01 CBN1 Trucks 37 9901 DieselExhPM 0.00E + 000.00E+00CBN2_Trucks 38 9901 DieselExhPM 0.00E + 000.00E+0039 HY03 Trucks 9901 DieselExhPM 3.85E-01 0.00E+00HY04 Trucks 40 9901 DieselExhPM 3.26E-02 0.00E+00HY05 Trucks 41 9901 DieselExhPM 4.96E-01 0.00E+0042 HY06_Trucks 9901 DieselExhPM 6.85E-01 0.00E+00PEN1_Cars 75070 Acetaldehyde 1.19E-01 1.35E-05 1

107028 Acrolein

5.51E-02

6.29E-06

PEN1_Cars

PEN1_Cars 1 106990 1,3-Butadiene 2.33E-01 2.66E-05 PEN1_Cars 1 100414 Ethylbenzene 4.45E-01 5.08E-05 PEN1_Cars 1 15000 Formaldehyde 6.70E-01 7.65E-05 PEN1_Cars 1 170543 Hexane 6.78E-01 7.74E-05 PEN1_Cars 1 67561 Methanol 5.09E-02 5.81E-06 PEN1_Cars 1 91203 Maphthalene 2.12E-02 2.24E-06 PEN1_Cars 1 91203 Maphthalene 2.12E-02 2.24E-06 PEN1_Cars 1 115071 Propylene 1.30E+00 1.48E-04 PEN1_Cars 1 100425 Styrene 5.09E-02 5.81E-06 PEN1_Cars 1 100425 Styrene 5.09E-02 5.81E-06 PEN1_Cars 1 1330207 Xylenes 2.03E+00 2.27E-04 COR1_Cars 2 75070 Acetaldehyde 7.37E-04 8.42E-08 COR1	DENIA Carra	1 1	71.400	ln I	1 055 00	1 205 04
PEN1_Cars 1 100414 Ethylbenzene 4.45E-01 5.08E-05 PEN1_Cars 1 50000 Formaldehyde 6.70E-01 7.65E-05 PEN1_Cars 1 150543 Hexane 6.78E-01 7.74E-05 PEN1_Cars 1 67561 Methanol 5.09E-02 5.9E-02 PEN1_Cars 1 78933 Methyl Ethyl Ketor 8.48E-03 9.68E-07 PEN1_Cars 1 91203 Naphthalene 2.12E-02 2.42E-06 PEN1_Cars 1 115071 Propylene 1.30E+00 1.48E-04 PEN1_Cars 1 100425 Styrene 5.09E-02 2.9E-04 PEN1_Cars 1 108883 Toluene 2.44E+00 2.79E-04 PEN1_Cars 1 108083 Toluene 2.44E+00 2.27E-04 COR1_Cars 1 75070 Acetaldehyde 7.3Te-04 8.42E-08 COR1_Cars 2 107028 Acrolein 3.42E-04 3.91E-08 COR1_	PEN1_Cars	1			1.05E+00	1.20E-04
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PEN1_Cars 1 110543 Hexane 6.78E-01 7.74E-05 PEN1_Cars 1 67561 Methanol 5.09E-02 5.81E-06 PEN1_Cars 1 78933 Methyl Ethyl Ketor 8.48E-03 9.68E-07 PEN1_Cars 1 91203 Naphthalene 2.12E-02 2.42E-06 PEN1_Cars 1 100425 Styrene 5.09E-02 5.81E-06 PEN1_Cars 1 100425 Styrene 5.09E-02 5.81E-06 PEN1_Cars 1 100425 Styrene 5.09E-02 5.81E-06 PEN1_Cars 1 1330207 Kylenes 2.03E+00 2.32E-04 COR1_Cars 2 75070 Acetaldehyde 7.37E-04 8.42E-08 COR1_Cars 2 107028 Acrolein 3.42E-04 3.91E-08 COR1_Cars 2 107028 Acrolein 3.42E-04 3.91E-08 COR1_Cars 2 106990 1,3-Butadiene 1.5E-03 3.16E-04 3.16E-04						
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PEN1_Cars 1 78933 Methyl Ethyl Ketor 8.48E-03 9.68E-07 PEN1_Cars 1 91203 Naphthalene 2.12E-02 2.42E-06 PEN1_Cars 1 115071 Propylene 1.30E+00 1.48E-04 PEN1_Cars 1 100425 Styrene 5.09E-02 5.81E-06 PEN1_Cars 1 108883 Toluene 2.44E+00 2.79E-04 PEN1_Cars 1 1330207 Xylenes 2.03E+00 2.32E-04 COR1_Cars 2 75070 Acetaldehyde 7.37E-04 8.42E-08 COR1_Cars 2 17432 Benzene 6.50E-03 7.42E-07 COR1_Cars 2 106990 1,3-Butadiene 1.45E-03 1.65E-07 COR1_Cars 2 106990 1,3-Butadiene 1.45E-03 1.65E-07 COR1_Cars 2 100490 1,3-Butadiene 1.45E-03 1.65E-07 COR1_Cars 2 110543 Hexane 4.21E-03 4.81E-07						
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PEN2_Cars 4 50000 Formaldehyde 7.63E-02 8.71E-06	PEN2_Cars	4	100414	Ethylbenzene	5.07E-02	5.79E-06
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	PEN2_Cars	4			7.72E-02	8.82E-06

PEN2_Cars 4 78933 Methyl Ethyl Ketor 9.65E-04 1.10E-4 PEN2_Cars 4 91203 Naphthalene 2.41E-03 2.76E-4 PEN2_Cars 4 115071 Propylene 1.48E-01 1.69E-1 PEN2_Cars 4 100425 Styrene 5.79E-03 6.61E-1 PEN2_Cars 4 108883 Toluene 2.78E-01 3.17E-1 PEN2_Cars 4 108883 Toluene 2.78E-01 3.17E-1 PEN2_Cars 4 1330207 Xylenes 2.32E-01 2.64E-1 HY01_Cars 5 75070 Acetaldehyde 1.65E-02 1.88E-1 HY01_Cars 5 107028 Acrolein 7.64E-03 3.83E-1 HY01_Cars 5 106990 1,3-Butadiene 3.23E-02 3.69E-1 HY01_Cars 5 100414 Ethylbenzene 6.17E-02 7.05E-4 HY01_Cars 5 100041 Ethylbenzene 6.10E-02 1.07E-1 HY01_C	DEMO Core	4	<u> </u>	Mathanal	E 70E 03	4 41F 07
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HY02_Cars 6 1330207 Xylenes 4.51E-01 5.15E-0 PEN3_Cars 7 75070 Acetaldehyde 1.33E-02 1.51E-0 PEN3_Cars 7 107028 Acrolein 6.16E-03 7.03E-0 PEN3_Cars 7 71432 Benzene 1.17E-01 1.34E-0 PEN3_Cars 7 106990 1,3-Butadiene 2.61E-02 2.98E-0 PEN3_Cars 7 100414 Ethylbenzene 4.98E-02 5.68E-0 PEN3_Cars 7 50000 Formaldehyde 7.49E-02 8.55E-0 PEN3_Cars 7 110543 Hexane 7.58E-02 8.66E-0 PEN3_Cars 7 67561 Methanol 5.69E-03 6.49E-0 PEN3_Cars 7 78933 Methyl Ethyl Ketor 9.48E-04 1.08E-0						1.29E-06
PEN3_Cars 7 75070 Acetaldehyde 1.33E-02 1.51E-0 PEN3_Cars 7 107028 Acrolein 6.16E-03 7.03E-0 PEN3_Cars 7 71432 Benzene 1.17E-01 1.34E-0 PEN3_Cars 7 106990 1,3-Butadiene 2.61E-02 2.98E-0 PEN3_Cars 7 100414 Ethylbenzene 4.98E-02 5.68E-0 PEN3_Cars 7 50000 Formaldehyde 7.49E-02 8.55E-0 PEN3_Cars 7 110543 Hexane 7.58E-02 8.66E-0 PEN3_Cars 7 67561 Methanol 5.69E-03 6.49E-0 PEN3_Cars 7 78933 Methyl Ethyl Ketor 9.48E-04 1.08E-0						6.17E-05
PEN3_Cars 7 107028 Acrolein 6.16E-03 7.03E-0 PEN3_Cars 7 71432 Benzene 1.17E-01 1.34E-0 PEN3_Cars 7 106990 1,3-Butadiene 2.61E-02 2.98E-0 PEN3_Cars 7 100414 Ethylbenzene 4.98E-02 5.68E-0 PEN3_Cars 7 50000 Formaldehyde 7.49E-02 8.55E-0 PEN3_Cars 7 110543 Hexane 7.58E-02 8.66E-0 PEN3_Cars 7 67561 Methanol 5.69E-03 6.49E-0 PEN3_Cars 7 78933 Methyl Ethyl Ketor 9.48E-04 1.08E-0				,		5.15E-05
PEN3_Cars 7 71432 Benzene 1.17E-01 1.34E-0 PEN3_Cars 7 106990 1,3-Butadiene 2.61E-02 2.98E-0 PEN3_Cars 7 100414 Ethylbenzene 4.98E-02 5.68E-0 PEN3_Cars 7 50000 Formaldehyde 7.49E-02 8.55E-0 PEN3_Cars 7 110543 Hexane 7.58E-02 8.66E-0 PEN3_Cars 7 67561 Methanol 5.69E-03 6.49E-0 PEN3_Cars 7 78933 Methyl Ethyl Ketor 9.48E-04 1.08E-0	PEN3_Cars			,		1.51E-06
PEN3_Cars 7 106990 1,3-Butadiene 2.61E-02 2.98E-0 PEN3_Cars 7 100414 Ethylbenzene 4.98E-02 5.68E-0 PEN3_Cars 7 50000 Formaldehyde 7.49E-02 8.55E-0 PEN3_Cars 7 110543 Hexane 7.58E-02 8.66E-0 PEN3_Cars 7 67561 Methanol 5.69E-03 6.49E-0 PEN3_Cars 7 78933 Methyl Ethyl Ketor 9.48E-04 1.08E-0					6.16E-03	7.03E-07
PEN3_Cars 7 100414 Ethylbenzene 4.98E-02 5.68E-0 PEN3_Cars 7 50000 Formaldehyde 7.49E-02 8.55E-0 PEN3_Cars 7 110543 Hexane 7.58E-02 8.66E-0 PEN3_Cars 7 67561 Methanol 5.69E-03 6.49E-0 PEN3_Cars 7 78933 Methyl Ethyl Ketor 9.48E-04 1.08E-0	PEN3_Cars		71432	Benzene	1.17E-01	1.34E-05
PEN3_Cars 7 50000 Formaldehyde 7.49E-02 8.55E-0 PEN3_Cars 7 110543 Hexane 7.58E-02 8.66E-0 PEN3_Cars 7 67561 Methanol 5.69E-03 6.49E-0 PEN3_Cars 7 78933 Methyl Ethyl Ketor 9.48E-04 1.08E-0	PEN3_Cars		106990	1,3-Butadiene	2.61E-02	2.98E-06
PEN3_Cars 7 110543 Hexane 7.58E-02 8.66E-0 PEN3_Cars 7 67561 Methanol 5.69E-03 6.49E-0 PEN3_Cars 7 78933 Methyl Ethyl Ketor 9.48E-04 1.08E-0	PEN3_Cars	7	100414	Ethylbenzene	4.98E-02	5.68E-06
PEN3_Cars 7 110543 Hexane 7.58E-02 8.66E-0 PEN3_Cars 7 67561 Methanol 5.69E-03 6.49E-0 PEN3_Cars 7 78933 Methyl Ethyl Ketor 9.48E-04 1.08E-0	PEN3_Cars	7	50000	Formaldehyde	7.49E-02	8.55E-06
PEN3_Cars 7 67561 Methanol 5.69E-03 6.49E-0 PEN3_Cars 7 78933 Methyl Ethyl Ketor 9.48E-04 1.08E-0	PEN3_Cars	7			7.58E-02	8.66E-06
PEN3_Cars 7 78933 Methyl Ethyl Ketor 9.48E-04 1.08E-0	PEN3_Cars	7	67561	Methanol	5.69E-03	6.49E-07
		7				1.08E-07
	PEN3_Cars	7		Naphthalene	2.37E-03	2.70E-07
				· '		1.66E-05
_ 12				1 7		6.49E-07

PEN3_Cars	7	108883	Toluene	2.73E-01	3.12E-05
PEN3_Cars	7	1330207	Xylenes	2.27E-01	2.60E-05
PEN4_Cars	8	75070	Acetaldehyde	1.82E-02	2.08E-06
PEN4_Cars	8		Acrolein	8.44E-03	9.64E-07
PEN4_Cars	8		Benzene	1.60E-01	1.83E-05
PEN4_Cars	8		1,3-Butadiene	3.57E-02	4.08E-06
PEN4_Cars	8		Ethylbenzene	6.82E-02	7.78E-06
PEN4_Cars	8		Formaldehyde	1.03E-01	1.17E-05
PEN4_Cars	8		Hexane	1.04E-01	1.19E-05
PEN4_Cars	8		Methanol	7.79E-03	8.90E-07
PEN4_Cars	8		Methyl Ethyl Ketor	1.30E-03	1.48E-07
PEN4_Cars	8		Naphthalene	3.25E-03	3.71E-07
PEN4_Cars	8	115071	Propylene	1.99E-01	2.27E-05
PEN4_Cars	8	100425	Styrene	7.79E-03	8.90E-07
PEN4_Cars	8	108883	Toluene	3.74E-01	4.27E-05
PEN4_Cars	8	1330207	Xylenes	3.12E-01	3.56E-05
WTX1_Cars	9		Acetaldehyde	4.91E-03	5.61E-07
WTX1_Cars	9		Acrolein	2.28E-03	2.60E-07
WTX1_Cars	9		Benzene	4.34E-02	4.95E-06
WTX1_Cars	9		1,3-Butadiene	9.65E-03	1.10E-06
WTX1_Cars	9		Ethylbenzene	1.84E-02	2.10E-06
WTX1_Cars	9		Formaldehyde	2.77E-02	3.17E-06
WTX1_Cars	9		Hexane	2.81E-02	3.21E-06
WTX1_Cars	9		Methanol	2.11E-03	2.40E-07
WTX1_Cars	9		Methyl Ethyl Ketor	3.51E-04	4.01E-08
WTX1_Cars	9			8.78E-04	1.00E-07
	9		Naphthalene		
WTX1_Cars			Propylene	5.37E-02	6.13E-06
WTX1_Cars	9		Styrene	2.11E-03	2.40E-07
WTX1_Cars	9		Toluene	1.01E-01	1.15E-05
WTX1_Cars	9	1330207		8.43E-02	9.62E-06
BEK1_Cars	10		Acetaldehyde	1.70E-02	
BEK1_Cars	10		Acrolein	7.87E-03	8.99E-07
BEK1_Cars	10	71432	Benzene	1.50E-01	1.71E-05
BEK1_Cars	10		1,3-Butadiene	3.33E-02	3.80E-06
BEK1_Cars	10	100414	Ethylbenzene	6.36E-02	7.26E-06
BEK1_Cars	10		Formaldehyde	9.57E-02	1.09E-05
BEK1_Cars	10	110543	Hexane	9.69E-02	1.11E-05
BEK1_Cars	10	67561	Methanol	7.27E-03	8.30E-07
BEK1_Cars	10		Methyl Ethyl Ketor	1.21E-03	1.38E-07
BEK1_Cars	10		Naphthalene	3.03E-03	3.46E-07
BEK1_Cars	10		Propylene	1.85E-01	2.12E-05
BEK1_Cars	10		Styrene	7.27E-03	8.30E-07
BEK1_Cars	10		Toluene	3.49E-01	3.98E-05
BEK1_Cars	10	1330207		2.91E-01	3.32E-05
BEK2_Cars	11		Acetaldehyde	1.70E-02	1.94E-06
BEK2_Cars	11		Acrolein	7.87E-03	8.99E-07
	11				
BEK2_Cars	11	/ 1432	Benzene	1.50E-01	1.71E-05

DEVA Core	11	104000	1.2 Dutadiana	2 225 02	2 005 04
BEK2_Cars	11		1,3-Butadiene	3.33E-02	3.80E-06
BEK2_Cars	11		Ethylbenzene	6.36E-02	7.26E-06
BEK2_Cars	11		Formaldehyde	9.57E-02	1.09E-05
BEK2_Cars	11		Hexane	9.69E-02	1.11E-05
BEK2_Cars	11		Methanol	7.27E-03	8.30E-07
BEK2_Cars	11		Methyl Ethyl Ketor	1.21E-03	1.38E-07
BEK2_Cars	11		Naphthalene	3.03E-03	3.46E-07
BEK2_Cars	11		Propylene	1.85E-01	2.12E-05
BEK2_Cars	11		Styrene	7.27E-03	8.30E-07
BEK2_Cars	11		Toluene	3.49E-01	3.98E-05
BEK2_Cars	11	1330207		2.91E-01	3.32E-05
COR3_Cars	12		Acetaldehyde	2.46E-03	2.81E-07
COR3_Cars	12		Acrolein	1.14E-03	1.30E-07
COR3_Cars	12		Benzene	2.17E-02	2.47E-06
COR3_Cars	12		1,3-Butadiene	4.83E-03	5.51E-07
COR3_Cars	12		Ethylbenzene	9.21E-03	1.05E-06
COR3_Cars	12		Formaldehyde	1.39E-02	1.58E-06
COR3_Cars	12		Hexane	1.40E-02	1.60E-06
COR3_Cars	12		Methanol	1.05E-03	1.20E-07
COR3_Cars	12		Methyl Ethyl Ketor	1.76E-04	2.00E-08
COR3_Cars	12		Naphthalene	4.39E-04	5.01E-08
COR3_Cars	12		Propylene	2.69E-02	3.07E-06
COR3_Cars	12		Styrene	1.05E-03	1.20E-07
COR3_Cars	12		Toluene	5.06E-02	5.77E-06
COR3_Cars	12	1330207	,	4.21E-02	4.81E-06
BEK3_Cars	13		Acetaldehyde	6.39E-03	7.29E-07
BEK3_Cars	13	107028	Acrolein	2.97E-03	3.39E-07
BEK3_Cars	13		Benzene	5.64E-02	6.43E-06
BEK3_Cars	13		1,3-Butadiene	1.25E-02	1.43E-06
BEK3_Cars	13		Ethylbenzene	2.40E-02	2.74E-06
BEK3_Cars	13	50000	Formaldehyde	3.61E-02	4.12E-06
BEK3_Cars	13	110543	Hexane	3.65E-02	4.17E-06
BEK3_Cars	13	67561	Methanol	2.74E-03	3.13E-07
BEK3_Cars	13	78933	Methyl Ethyl Ketor	4.56E-04	5.21E-08
BEK3_Cars	13	91203	Naphthalene	1.14E-03	1.30E-07
BEK3_Cars	13	115071	Propylene	6.98E-02	7.97E-06
BEK3_Cars	13	100425	Styrene	2.74E-03	3.13E-07
BEK3_Cars	13		Toluene	1.31E-01	1.50E-05
BEK3_Cars	13	1330207	Xylenes	1.10E-01	1.25E-05
BEK4_Cars	14	75070	Acetaldehyde	2.46E-03	2.81E-07
BEK4_Cars	14	107028	Acrolein	1.14E-03	1.30E-07
BEK4_Cars	14	71432	Benzene	2.17E-02	2.47E-06
BEK4_Cars	14	106990	1,3-Butadiene	4.83E-03	5.51E-07
BEK4_Cars	14	100414	Ethylbenzene	9.21E-03	1.05E-06
BEK4_Cars	14		Formaldehyde	1.39E-02	1.58E-06
BEK4_Cars	14		Hexane	1.40E-02	1.60E-06
BEK4_Cars	14		Methanol	1.05E-03	1.20E-07

BEK4_Cars	14	78933	Methyl Ethyl Ketor	1.76E-04	2.00E-08
BEK4_Cars	14		Naphthalene	4.39E-04	5.01E-08
BEK4_Cars	14		Propylene	2.69E-02	3.07E-06
BEK4_Cars	14		Styrene	1.05E-03	1.20E-07
BEK4_Cars	14		Toluene	5.06E-02	5.77E-06
BEK4_Cars	14	1330207		4.21E-02	4.81E-06
BEK5_Cars	15		Acetaldehyde	3.93E-03	4.49E-07
BEK5_Cars	15		Acrolein	1.83E-03	2.08E-07
BEK5_Cars	15		Benzene	3.47E-02	
	15				3.96E-06
BEK5_Cars	15		1,3-Butadiene	7.72E-03	8.82E-07
BEK5_Cars			Ethylbenzene	1.47E-02	1.68E-06
BEK5_Cars	15		Formaldehyde	2.22E-02	2.53E-06
BEK5_Cars	15		Hexane	2.25E-02	2.56E-06
BEK5_Cars	15		Methanol	1.69E-03	1.92E-07
BEK5_Cars	15		Methyl Ethyl Ketor	2.81E-04	3.21E-08
BEK5_Cars	15		Naphthalene	7.02E-04	8.01E-08
BEK5_Cars	15		Propylene	4.30E-02	4.90E-06
BEK5_Cars	15		Styrene	1.69E-03	1.92E-07
BEK5_Cars	15	108883	Toluene	8.09E-02	9.23E-06
BEK5_Cars	15	1330207	Xylenes	6.74E-02	7.69E-06
CBN1_Cars	16	75070	Acetaldehyde	0.00E+00	0.00E+00
CBN1_Cars	16	107028	Acrolein	0.00E+00	0.00E+00
CBN1_Cars	16	71432	Benzene	0.00E+00	0.00E+00
CBN1_Cars	16	106990	1,3-Butadiene	0.00E+00	0.00E+00
CBN1_Cars	16		Ethylbenzene	0.00E+00	0.00E+00
CBN1_Cars	16		Formaldehyde	0.00E+00	0.00E+00
CBN1_Cars	16		Hexane	0.00E+00	0.00E+00
CBN1_Cars	16		Methanol	0.00E+00	0.00E+00
CBN1_Cars	16		Methyl Ethyl Ketor	0.00E+00	0.00E+00
CBN1_Cars	16		Naphthalene	0.00E+00	0.00E+00
CBN1_Cars	16		Propylene	0.00E+00	
CBN1_Cars	16	100/1	Styrene	0.00E+00	
CBN1_Cars	16		Toluene	0.00E+00	0.00E+00
CBN1_Cars	16	1330207		0.00E+00	0.00E+00
	17			0.00E+00	
CBN2_Cars			Acetaldehyde		0.00E+00
CBN2_Cars	17		Acrolein	0.00E+00	0.00E+00
CBN2_Cars	17		Benzene	0.00E+00	0.00E+00
CBN2_Cars	17		1,3-Butadiene	0.00E+00	0.00E+00
CBN2_Cars	17		Ethylbenzene	0.00E+00	0.00E+00
CBN2_Cars	17		Formaldehyde	0.00E+00	0.00E+00
CBN2_Cars	17		Hexane	0.00E+00	0.00E+00
CBN2_Cars	17		Methanol	0.00E+00	0.00E+00
CBN2_Cars	17		Methyl Ethyl Ketor	0.00E+00	0.00E+00
CBN2_Cars	17	91203	Naphthalene	0.00E+00	0.00E+00
CBN2_Cars	17		Propylene	0.00E+00	0.00E+00
CBN2_Cars	17	100425	Styrene	0.00E+00	0.00E+00
CBN2_Cars	17	108883	Toluene	0.00E+00	0.00E+00
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CBN2_Cars	17	1330207	Xylenes	0.00E+00	0.00E+00
HY03_Cars	18		Acetaldehyde	1.45E-02	1.66E-06
HY03_Cars	18		Acrolein	6.73E-03	7.68E-07
HY03_Cars	18		Benzene	1.28E-01	1.46E-05
HY03_Cars	18		1,3-Butadiene	2.85E-02	3.25E-06
HY03_Cars	18		Ethylbenzene	5.44E-02	6.21E-06
HY03_Cars	18		Formaldehyde	8.18E-02	9.34E-06
HY03_Cars	18		Hexane	8.28E-02	9.46E-06
HY03_Cars	18		Methanol	6.21E-03	7.09E-07
HY03_Cars	18		Methyl Ethyl Ketor	1.04E-03	1.18E-07
HY03_Cars	18		Naphthalene	2.59E-03	2.96E-07
HY03_Cars	18		Propylene	1.58E-01	1.81E-05
HY03_Cars	18		Styrene	6.21E-03	7.09E-07
HY03_Cars	18		Toluene	2.98E-01	3.40E-05
HY03_Cars	18	1330207		2.49E-01	2.84E-05
HY04_Cars	19		Acetaldehyde	1.23E-03	1.40E-07
HY04_Cars	19		Acrolein	5.70E-04	6.51E-08
HY04_Cars	19	71432	Benzene	1.08E-02	1.24E-06
HY04_Cars	19	106990	1,3-Butadiene	2.41E-03	2.76E-07
HY04_Cars	19		Ethylbenzene	4.61E-03	5.26E-07
HY04_Cars	19		Formaldehyde	6.93E-03	7.91E-07
HY04_Cars	19		Hexane	7.02E-03	8.01E-07
HY04_Cars	19	67561	Methanol	5.27E-04	6.01E-08
HY04_Cars	19	78933	Methyl Ethyl Ketor	8.78E-05	1.00E-08
HY04_Cars	19	91203	Naphthalene	2.19E-04	2.50E-08
HY04_Cars	19	115071	Propylene	1.34E-02	1.53E-06
HY04_Cars	19		Styrene	5.27E-04	6.01E-08
HY04_Cars	19	108883	Toluene	2.53E-02	2.89E-06
HY04_Cars	19	1330207	Xylenes	2.11E-02	2.40E-06
HY05_Cars	20	75070	Acetaldehyde	1.87E-02	2.13E-06
HY05_Cars	20	107028	Acrolein	8.67E-03	9.90E-07
HY05_Cars	20	71432	Benzene	1.65E-01	1.88E-05
HY05_Cars	20	106990	1,3-Butadiene	3.67E-02	4.19E-06
HY05_Cars	20		Ethylbenzene	7.00E-02	7.99E-06
HY05_Cars	20	50000	Formaldehyde	1.05E-01	1.20E-05
HY05_Cars	20		Hexane	1.07E-01	1.22E-05
HY05_Cars	20	67561	Methanol	8.00E-03	9.14E-07
HY05_Cars	20		Methyl Ethyl Ketor	1.33E-03	1.52E-07
HY05_Cars	20		Naphthalene	3.33E-03	3.81E-07
HY05_Cars	20		Propylene	2.04E-01	2.33E-05
HY05_Cars	20		Styrene	8.00E-03	9.14E-07
HY05_Cars	20		Toluene	3.84E-01	4.39E-05
HY05_Cars	20	1330207	,	3.20E-01	3.65E-05
HY06_Cars	21		Acetaldehyde	2.58E-02	2.95E-06
HY06_Cars	21		Acrolein	1.20E-02	1.37E-06
HY06_Cars	21		Benzene	2.28E-01	2.60E-05
HY06_Cars	21	106990	1,3-Butadiene	5.07E-02	5.79E-06

HY06_Cars	11/07 0	04 10041	41eu 11	0.705.00	1 105 05
HY06_Cars 21 110543 Hexane 1.47E-01 1.68 HY06_Cars 21 67561 Methanol 1.11E-02 1.26 HY06_Cars 21 78933 Methyl Ethyl Ketor 1.84E-03 2.10 HY06_Cars 21 91203 Naphthalene 4.61E-03 5.26 HY06_Cars 21 115071 Propylene 2.82E-01 3.22 HY06_Cars 21 100425 Styrene 1.11E-02 1.26 HY06_Cars 21 108883 Toluene 5.31E-01 6.06 HY06_Cars 21 1330207 Xylenes 4.42E-01 5.05 PEN1_Trucks 22 75070 Acetaldehyde 3.30E-01 3.76 PEN1_Trucks 22 70702 Acetaldehyde 3.30E-01 3.75 PEN1_Trucks 22 71432 Benzene 2.91E+00 3.32 PEN1_Trucks 22 106990 1,3-Butadiene 6.48E-01 7.39 PEN1_Trucks 22				9.68E-02	1.10E-05
HY06_Cars 21 67561 Methanol 1.11E-02 1.26 HY06_Cars 21 78933 Methyl Ethyl Ketor 1.84E-03 2.10 HY06_Cars 21 91203 Naphthalene 4.61E-03 5.26 HY06_Cars 21 115071 Propylene 2.82E-01 3.22 HY06_Cars 21 100425 Styrene 1.11E-02 1.26 HY06_Cars 21 108883 Toluene 5.31E-01 6.06 HY06_Cars 21 1330207 Xylenes 4.42E-01 5.05 PEN1_Trucks 22 75070 Acetaldehyde 3.30E-01 3.76 PEN1_Trucks 22 107028 Acrolein 1.53E-01 1.75 PEN1_Trucks 22 106990 1,3-Butadiene 6.48E-01 7.39 PEN1_Trucks 22 100414 Ethylbenzene 1.24E+00 1.41 PEN1_Trucks 22 100414 Ethylbenzene 1.24E+00 2.12 PEN1_Trucks					1.66E-05
HY06_Cars 21 78933 Methyl Ethyl Ketor 1.84E-03 2.10 HY06_Cars 21 91203 Naphthalene 4.61E-03 5.26 HY06_Cars 21 115071 Propylene 2.82E-01 3.22 HY06_Cars 21 100425 Styrene 1.11E-02 1.26 HY06_Cars 21 108883 Toluene 5.31E-01 6.06 HY06_Cars 21 1330207 Xylenes 4.42E-01 5.05 PEN1_Trucks 22 75070 Acetaldehyde 3.30E-01 3.76 PEN1_Trucks 22 1707028 Acrolein 1.53E-01 1.73 PEN1_Trucks 22 17432 Benzene 2.91E+00 3.32 PEN1_Trucks 22 106990 1,3-Butadiene 6.48E-01 7.39 PEN1_Trucks 22 100414 Ethylbenzene 1.24E+00 1.41 PEN1_Trucks 22 100414 Ethylbenzene 1.86E+00 2.12 PEN1_Trucks	_				1.68E-05
HY06_Cars 21 91203 Naphthalene 4.61E-03 5.26 HY06_Cars 21 115071 Propylene 2.82E-01 3.22 HY06_Cars 21 100425 Styrene 1.11E-02 1.26 HY06_Cars 21 108883 Toluene 5.31E-01 6.06 HY06_Cars 21 1330207 Xylenes 4.42E-01 5.05 PEN1_Trucks 22 75070 Acetaldehyde 3.30E-01 3.76 PEN1_Trucks 22 107028 Acrolein 1.53E-01 1.73 PEN1_Trucks 22 17432 Benzene 2.91E+00 3.32 PEN1_Trucks 22 106990 1,3-Butadiene 6.48E-01 7.39 PEN1_Trucks 22 100414 Ethylbenzene 1.24E+00 1.41 PEN1_Trucks 22 100414 Ethylbenzene 1.88E+00 2.12 PEN1_Trucks 22 10543 Hexane 1.88E+00 2.15 PEN1_Trucks					1.26E-06
HY06_Cars 21 115071 Propylene 2.82E-01 3.22 HY06_Cars 21 100425 Styrene 1.11E-02 1.26 HY06_Cars 21 108883 Toluene 5.31E-01 6.06 HY06_Cars 21 1330207 Xylenes 4.42E-01 5.05 PEN1_Trucks 22 75070 Acetaldehyde 3.30E-01 3.76 PEN1_Trucks 22 107028 Acrolein 1.53E-01 1.75 PEN1_Trucks 22 106990 1,3-Butadiene 6.48E-01 7.39 PEN1_Trucks 22 106990 1,3-Butadiene 6.48E-01 7.39 PEN1_Trucks 22 100414 Ethylbenzene 1.24E+00 1.41 PEN1_Trucks 22 100414 Ethylbenzene 1.24E+00 1.41 PEN1_Trucks 22 10563 Hexane 1.88E+00 2.12 PEN1_Trucks 22 67561 Methanol 1.41E-01 1.61 PEN1_Trucks			Methyl Ethyl Ketor		2.10E-07
HY06_Cars 21 100425 Styrene 1.11E-02 1.26 HY06_Cars 21 108883 Toluene 5.31E-01 6.06 HY06_Cars 21 1330207 Xylenes 4.42E-01 5.05 PEN1_Trucks 22 75070 Acetaldehyde 3.30E-01 3.76 PEN1_Trucks 22 107028 Acrolein 1.53E-01 1.75 PEN1_Trucks 22 71432 Benzene 2.91E+00 3.32 PEN1_Trucks 22 106990 1,3-Butadiene 6.48E-01 7.39 PEN1_Trucks 22 100414 Ethylbenzene 1.24E+00 1.41 PEN1_Trucks 22 100414 Ethylbenzene 1.24E+00 1.41 PEN1_Trucks 22 10543 Hexane 1.88E+00 2.15 PEN1_Trucks 22 17543 Hexane 1.88E+00 2.15 PEN1_Trucks 22 78933 Methyl Ethyl Ketor 2.36E-02 2.69 PEN1_Trucks	-1Y06_Cars		•	4.61E-03	5.26E-07
HY06_Cars 21 108883 Toluene 5.31E-01 6.06 HY06_Cars 21 1330207 Xylenes 4.42E-01 5.05 PEN1_Trucks 22 75070 Acetaldehyde 3.30E-01 3.76 PEN1_Trucks 22 107028 Acrolein 1.53E-01 1.75 PEN1_Trucks 22 71432 Benzene 2.91E+00 3.32 PEN1_Trucks 22 106990 1,3-Butadiene 6.48E-01 7.39 PEN1_Trucks 22 100414 Ethylbenzene 1.24E+00 1.41 PEN1_Trucks 22 50000 Formaldehyde 1.86E+00 2.12 PEN1_Trucks 22 110543 Hexane 1.88E+00 2.15 PEN1_Trucks 22 67561 Methanol 1.41E-01 1.61 PEN1_Trucks 22 78933 Methyl Ethyl Ketor 2.36E-02 2.69 PEN1_Trucks 22 91203 Naphthalene 5.89E-02 6.72 PEN1_Trucks 22 115071 Propylene 3.60E+00 4.11 PEN1_Trucks 22 10425 Styrene	HY06_Cars	21 11507	1 Propylene	2.82E-01	3.22E-05
HY06_Cars 21 1330207 Xylenes 4.42E-01 5.05 PEN1_Trucks 22 75070 Acetaldehyde 3.30E-01 3.76 PEN1_Trucks 22 107028 Acrolein 1.53E-01 1.75 PEN1_Trucks 22 71432 Benzene 2.91E+00 3.32 PEN1_Trucks 22 106990 1,3-Butadiene 6.48E-01 7.39 PEN1_Trucks 22 100414 Ethylbenzene 1.24E+00 1.41 PEN1_Trucks 22 50000 Formaldehyde 1.86E+00 2.12 PEN1_Trucks 22 110543 Hexane 1.88E+00 2.15 PEN1_Trucks 22 11544 Hexane 1.88E+00 2.15 PEN1_Trucks 22 78933 Methyl Ethyl Ketor 2.36E-02 2.69 PEN1_Trucks 22 91203 Naphthalene 5.89E-02 6.72 PEN1_Trucks 22 10425 Styrene 1.41E-01 1.61 PEN1_Trucks	HY06_Cars	21 100425	Styrene	1.11E-02	1.26E-06
PEN1_Trucks 22 75070 Acetaldehyde 3.30E-01 3.76 PEN1_Trucks 22 107028 Acrolein 1.53E-01 1.75 PEN1_Trucks 22 71432 Benzene 2.91E+00 3.32 PEN1_Trucks 22 106990 1,3-Butadiene 6.48E-01 7.39 PEN1_Trucks 22 100414 Ethylbenzene 1.24E+00 1.41 PEN1_Trucks 22 50000 Formaldehyde 1.86E+00 2.12 PEN1_Trucks 22 110543 Hexane 1.88E+00 2.15 PEN1_Trucks 22 67561 Methanol 1.41E-01 1.61 PEN1_Trucks 22 78933 Methyl Ethyl Ketor 2.36E-02 2.69 PEN1_Trucks 22 91203 Naphthalene 5.89E-02 6.72 PEN1_Trucks 22 115071 Propylene 3.60E+00 4.11 PEN1_Trucks 22 108883 Toluene 6.78E+00 7.74 PEN1_Trucks 22 1330207 Xylenes 5.65E+00 6.45 COR1_Trucks 23 75070 Acetaldehy	HY06_Cars	21 108883	3 Toluene	5.31E-01	6.06E-05
PEN1_Trucks 22 107028 Acrolein 1.53E-01 1.75 PEN1_Trucks 22 71432 Benzene 2.91E+00 3.32 PEN1_Trucks 22 106990 1,3-Butadiene 6.48E-01 7.39 PEN1_Trucks 22 100414 Ethylbenzene 1.24E+00 1.41 PEN1_Trucks 22 50000 Formaldehyde 1.86E+00 2.12 PEN1_Trucks 22 50000 Formaldehyde 1.88E+00 2.15 PEN1_Trucks 22 67561 Methanol 1.41E-01 1.61 PEN1_Trucks 22 78933 Methyl Ethyl Ketor 2.36E-02 2.69 PEN1_Trucks 22 91203 Naphthalene 5.89E-02 6.72 PEN1_Trucks 22 115071 Propylene 3.60E+00 4.11 PEN1_Trucks 22 10425 Styrene 1.41E-01 1.61 PEN1_Trucks 22 1330207 Xylenes 5.65E+00 6.78E+00 7.74 PEN1_Trucks 22 1330207 Xylenes 5.65E+00 6.45 6.0E-03 2.34	-1Y06_Cars	21 133020	7 Xylenes	4.42E-01	5.05E-05
PEN1_Trucks 22 107028 Acrolein 1.53E-01 1.75 PEN1_Trucks 22 71432 Benzene 2.91E+00 3.32 PEN1_Trucks 22 106990 1,3-Butadiene 6.48E-01 7.39 PEN1_Trucks 22 100414 Ethylbenzene 1.24E+00 1.41 PEN1_Trucks 22 50000 Formaldehyde 1.86E+00 2.12 PEN1_Trucks 22 110543 Hexane 1.88E+00 2.15 PEN1_Trucks 22 67561 Methanol 1.41E-01 1.61 PEN1_Trucks 22 78933 Methyl Ethyl Ketor 2.36E-02 2.69 PEN1_Trucks 22 91203 Naphthalene 5.89E-02 6.72 PEN1_Trucks 22 115071 Propylene 3.60E+00 4.11 PEN1_Trucks 22 100425 Styrene 1.41E-01 1.61 PEN1_Trucks 22 10883 Toluene 6.78E+00 7.74 PEN1_Trucks 22 108883 Toluene 6.78E+00 7.74 PEN1_Trucks 22 1330207 Xylenes	PEN1_Trucks	22 75070	Acetaldehyde	3.30E-01	3.76E-05
PEN1_Trucks 22 106990 1,3-Butadiene 6.48E-01 7.39 PEN1_Trucks 22 100414 Ethylbenzene 1.24E+00 1.41 PEN1_Trucks 22 50000 Formaldehyde 1.86E+00 2.12 PEN1_Trucks 22 110543 Hexane 1.88E+00 2.15 PEN1_Trucks 22 67561 Methanol 1.41E-01 1.61 PEN1_Trucks 22 78933 Methyl Ethyl Ketor 2.36E-02 2.69 PEN1_Trucks 22 91203 Naphthalene 5.89E-02 6.72 PEN1_Trucks 22 115071 Propylene 3.60E+00 4.11 PEN1_Trucks 22 10425 Styrene 1.41E-01 1.61 PEN1_Trucks 22 108883 Toluene 6.78E+00 7.74 PEN1_Trucks 22 1330207 Xylenes 5.65E+00 6.45 COR1_Trucks 23 75070 Acetaldehyde 2.05E-03 2.34 COR1_Truck	PEN1_Trucks			1.53E-01	1.75E-05
PEN1_Trucks 22 106990 1,3-Butadiene 6.48E-01 7.39 PEN1_Trucks 22 100414 Ethylbenzene 1.24E+00 1.41 PEN1_Trucks 22 50000 Formaldehyde 1.86E+00 2.12 PEN1_Trucks 22 110543 Hexane 1.88E+00 2.15 PEN1_Trucks 22 67561 Methanol 1.41E-01 1.61 PEN1_Trucks 22 78933 Methyl Ethyl Ketor 2.36E-02 2.69 PEN1_Trucks 22 91203 Naphthalene 5.89E-02 6.72 PEN1_Trucks 22 115071 Propylene 3.60E+00 4.11 PEN1_Trucks 22 10425 Styrene 1.41E-01 1.61 PEN1_Trucks 22 108883 Toluene 6.78E+00 7.74 PEN1_Trucks 22 1330207 Xylenes 5.65E+00 6.45 COR1_Trucks 23 75070 Acetaldehyde 2.05E-03 2.34 COR1_Truck	PEN1_Trucks	22 71432	2 Benzene	2.91E+00	3.32E-04
PEN1_Trucks 22 100414 Ethylbenzene 1.24E+00 1.41 PEN1_Trucks 22 50000 Formaldehyde 1.86E+00 2.12 PEN1_Trucks 22 110543 Hexane 1.88E+00 2.15 PEN1_Trucks 22 67561 Methanol 1.41E-01 1.61 PEN1_Trucks 22 78933 Methyl Ethyl Ketor 2.36E-02 2.69 PEN1_Trucks 22 91203 Naphthalene 5.89E-02 6.72 PEN1_Trucks 22 115071 Propylene 3.60E+00 4.11 PEN1_Trucks 22 10425 Styrene 1.41E-01 1.61 PEN1_Trucks 22 10883 Toluene 6.78E+00 7.74 PEN1_Trucks 22 1330207 Xylenes 5.65E+00 6.45 COR1_Trucks 23 75070 Acetaldehyde 2.05E-03 2.34 COR1_Trucks 23 107028 Acrolein 9.51E-04 1.09 COR1_Trucks	PEN1_Trucks	22 106990	1,3-Butadiene	6.48E-01	7.39E-05
PEN1_Trucks 22 50000 Formaldehyde 1.86E+00 2.12 PEN1_Trucks 22 110543 Hexane 1.88E+00 2.15 PEN1_Trucks 22 67561 Methanol 1.41E-01 1.61 PEN1_Trucks 22 78933 Methyl Ethyl Ketor 2.36E-02 2.69 PEN1_Trucks 22 91203 Naphthalene 5.89E-02 6.72 PEN1_Trucks 22 115071 Propylene 3.60E+00 4.11 PEN1_Trucks 22 100425 Styrene 1.41E-01 1.61 PEN1_Trucks 22 108883 Toluene 6.78E+00 7.74 PEN1_Trucks 22 1330207 Xylenes 5.65E+00 6.45 COR1_Trucks 23 75070 Acetaldehyde 2.05E-03 2.34 COR1_Trucks 23 107028 Acrolein 9.51E-04 1.09 COR1_Trucks 23 106990 1,3-Butadiene 4.02E-03 4.59 COR1_Trucks 23 100414 Ethylbenzene 7.68E-03 8.77 COR1_Trucks 23 50000 Formaldeh					1.41E-04
PEN1_Trucks 22 110543 Hexane 1.88E+00 2.15 PEN1_Trucks 22 67561 Methanol 1.41E-01 1.61 PEN1_Trucks 22 78933 Methyl Ethyl Ketor 2.36E-02 2.69 PEN1_Trucks 22 91203 Naphthalene 5.89E-02 6.72 PEN1_Trucks 22 115071 Propylene 3.60E+00 4.11 PEN1_Trucks 22 100425 Styrene 1.41E-01 1.61 PEN1_Trucks 22 108883 Toluene 6.78E+00 7.74 PEN1_Trucks 22 1330207 Xylenes 5.65E+00 6.45 COR1_Trucks 23 75070 Acetaldehyde 2.05E-03 2.34 COR1_Trucks 23 107028 Acrolein 9.51E-04 1.09 COR1_Trucks 23 71432 Benzene 1.81E-02 2.06 COR1_Trucks 23 106990 1,3-Butadiene 4.02E-03 4.59 COR1_Trucks 23 100414 Ethylbenzene 7.68E-03 8.77 COR1_Trucks 23 50000 Formaldehyde </td <td></td> <td></td> <td>,</td> <td></td> <td>2.12E-04</td>			,		2.12E-04
PEN1_Trucks 22 67561 Methanol 1.41E-01 1.61 PEN1_Trucks 22 78933 Methyl Ethyl Ketor 2.36E-02 2.69 PEN1_Trucks 22 91203 Naphthalene 5.89E-02 6.72 PEN1_Trucks 22 115071 Propylene 3.60E+00 4.11 PEN1_Trucks 22 100425 Styrene 1.41E-01 1.61 PEN1_Trucks 22 108883 Toluene 6.78E+00 7.74 PEN1_Trucks 22 1330207 Xylenes 5.65E+00 6.45 COR1_Trucks 23 75070 Acetaldehyde 2.05E-03 2.34 COR1_Trucks 23 107028 Acrolein 9.51E-04 1.09 COR1_Trucks 23 71432 Benzene 1.81E-02 2.06 COR1_Trucks 23 106990 1,3-Butadiene 4.02E-03 4.59 COR1_Trucks 23 100414 Ethylbenzene 7.68E-03 8.77 COR1_Trucks 23 50000 Formaldehyde 1.16E-02 1.32 COR1_Trucks 23 67561 Methanol<					2.15E-04
PEN1_Trucks 22 78933 Methyl Ethyl Ketor 2.36E-02 2.69 PEN1_Trucks 22 91203 Naphthalene 5.89E-02 6.72 PEN1_Trucks 22 115071 Propylene 3.60E+00 4.11 PEN1_Trucks 22 100425 Styrene 1.41E-01 1.61 PEN1_Trucks 22 108883 Toluene 6.78E+00 7.74 PEN1_Trucks 22 1330207 Xylenes 5.65E+00 6.45 COR1_Trucks 23 75070 Acetaldehyde 2.05E-03 2.34 COR1_Trucks 23 107028 Acrolein 9.51E-04 1.09 COR1_Trucks 23 71432 Benzene 1.81E-02 2.06 COR1_Trucks 23 106990 1,3-Butadiene 4.02E-03 4.59 COR1_Trucks 23 100414 Ethylbenzene 7.68E-03 8.77 COR1_Trucks 23 100414 Ethylbenzene 1.16E-02 1.34 COR1_Tr	_	<u> </u>			1.61E-05
PEN1_Trucks 22 91203 Naphthalene 5.89E-02 6.72 PEN1_Trucks 22 115071 Propylene 3.60E+00 4.11 PEN1_Trucks 22 100425 Styrene 1.41E-01 1.61 PEN1_Trucks 22 108883 Toluene 6.78E+00 7.74 PEN1_Trucks 22 1330207 Xylenes 5.65E+00 6.45 COR1_Trucks 23 75070 Acetaldehyde 2.05E-03 2.34 COR1_Trucks 23 107028 Acrolein 9.51E-04 1.09 COR1_Trucks 23 71432 Benzene 1.81E-02 2.06 COR1_Trucks 23 106990 1,3-Butadiene 4.02E-03 4.59 COR1_Trucks 23 100414 Ethylbenzene 7.68E-03 8.77 COR1_Trucks 23 50000 Formaldehyde 1.16E-02 1.32 COR1_Trucks 23 67561 Methanol 8.78E-04 1.00 COR1_Trucks 23 78933 Methyl Ethyl Ketor 1.46E-04 1.67 COR1_Trucks 23 91203 Naphthale					2.69E-06
PEN1_Trucks 22 115071 Propylene 3.60E+00 4.11 PEN1_Trucks 22 100425 Styrene 1.41E-01 1.61 PEN1_Trucks 22 108883 Toluene 6.78E+00 7.74 PEN1_Trucks 22 1330207 Xylenes 5.65E+00 6.45 COR1_Trucks 23 75070 Acetaldehyde 2.05E-03 2.34 COR1_Trucks 23 107028 Acrolein 9.51E-04 1.09 COR1_Trucks 23 71432 Benzene 1.81E-02 2.06 COR1_Trucks 23 106990 1,3-Butadiene 4.02E-03 4.59 COR1_Trucks 23 100414 Ethylbenzene 7.68E-03 8.77 COR1_Trucks 23 50000 Formaldehyde 1.16E-02 1.32 COR1_Trucks 23 110543 Hexane 1.17E-02 1.34 COR1_Trucks 23 78933 Methyl Ethyl Ketor 1.46E-04 1.67 COR1_Trucks<					6.72E-06
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PEN1_Trucks 22 108883 Toluene 6.78E+00 7.74 PEN1_Trucks 22 1330207 Xylenes 5.65E+00 6.45 COR1_Trucks 23 75070 Acetaldehyde 2.05E-03 2.34 COR1_Trucks 23 107028 Acrolein 9.51E-04 1.09 COR1_Trucks 23 71432 Benzene 1.81E-02 2.06 COR1_Trucks 23 106990 1,3-Butadiene 4.02E-03 4.59 COR1_Trucks 23 100414 Ethylbenzene 7.68E-03 8.77 COR1_Trucks 23 50000 Formaldehyde 1.16E-02 1.32 COR1_Trucks 23 110543 Hexane 1.17E-02 1.34 COR1_Trucks 23 67561 Methanol 8.78E-04 1.00 COR1_Trucks 23 78933 Methyl Ethyl Ketor 1.46E-04 1.67 COR1_Trucks 23 91203 Naphthalene 3.66E-04 4.17 COR1_Trucks 23 115071 Propylene 2.24E-02 2.55 COR1_Trucks 23 100425 Styrene </td <td></td> <td></td> <td></td> <td></td> <td>1.61E-05</td>					1.61E-05
PEN1_Trucks 22 1330207 Xylenes 5.65E+00 6.45 COR1_Trucks 23 75070 Acetaldehyde 2.05E-03 2.34 COR1_Trucks 23 107028 Acrolein 9.51E-04 1.09 COR1_Trucks 23 71432 Benzene 1.81E-02 2.06 COR1_Trucks 23 106990 1,3-Butadiene 4.02E-03 4.59 COR1_Trucks 23 100414 Ethylbenzene 7.68E-03 8.77 COR1_Trucks 23 50000 Formaldehyde 1.16E-02 1.32 COR1_Trucks 23 110543 Hexane 1.17E-02 1.34 COR1_Trucks 23 67561 Methanol 8.78E-04 1.00 COR1_Trucks 23 78933 Methyl Ethyl Ketor 1.46E-04 1.67 COR1_Trucks 23 91203 Naphthalene 3.66E-04 4.17 COR1_Trucks 23 115071 Propylene 2.24E-02 2.55 COR1_Truc					7.74E-04
COR1_Trucks 23 75070 Acetaldehyde 2.05E-03 2.34 COR1_Trucks 23 107028 Acrolein 9.51E-04 1.09 COR1_Trucks 23 71432 Benzene 1.81E-02 2.06 COR1_Trucks 23 106990 1,3-Butadiene 4.02E-03 4.59 COR1_Trucks 23 100414 Ethylbenzene 7.68E-03 8.77 COR1_Trucks 23 50000 Formaldehyde 1.16E-02 1.32 COR1_Trucks 23 110543 Hexane 1.17E-02 1.34 COR1_Trucks 23 67561 Methanol 8.78E-04 1.00 COR1_Trucks 23 78933 Methyl Ethyl Ketor 1.46E-04 1.67 COR1_Trucks 23 91203 Naphthalene 3.66E-04 4.17 COR1_Trucks 23 115071 Propylene 2.24E-02 2.55 COR1_Trucks 23 100425 Styrene 8.78E-04 1.00					6.45E-04
COR1_Trucks 23 107028 Acrolein 9.51E-04 1.09 COR1_Trucks 23 71432 Benzene 1.81E-02 2.06 COR1_Trucks 23 106990 1,3-Butadiene 4.02E-03 4.59 COR1_Trucks 23 100414 Ethylbenzene 7.68E-03 8.77 COR1_Trucks 23 50000 Formaldehyde 1.16E-02 1.32 COR1_Trucks 23 110543 Hexane 1.17E-02 1.34 COR1_Trucks 23 67561 Methanol 8.78E-04 1.00 COR1_Trucks 23 78933 Methyl Ethyl Ketor 1.46E-04 1.67 COR1_Trucks 23 91203 Naphthalene 3.66E-04 4.17 COR1_Trucks 23 115071 Propylene 2.24E-02 2.55 COR1_Trucks 23 100425 Styrene 8.78E-04 1.00					
COR1_Trucks 23 71432 Benzene 1.81E-02 2.06 COR1_Trucks 23 106990 1,3-Butadiene 4.02E-03 4.59 COR1_Trucks 23 100414 Ethylbenzene 7.68E-03 8.77 COR1_Trucks 23 50000 Formaldehyde 1.16E-02 1.32 COR1_Trucks 23 110543 Hexane 1.17E-02 1.34 COR1_Trucks 23 67561 Methanol 8.78E-04 1.00 COR1_Trucks 23 78933 Methyl Ethyl Ketor 1.46E-04 1.67 COR1_Trucks 23 91203 Naphthalene 3.66E-04 4.17 COR1_Trucks 23 115071 Propylene 2.24E-02 2.55 COR1_Trucks 23 100425 Styrene 8.78E-04 1.00			,		
COR1_Trucks 23 106990 1,3-Butadiene 4.02E-03 4.59 COR1_Trucks 23 100414 Ethylbenzene 7.68E-03 8.77 COR1_Trucks 23 50000 Formaldehyde 1.16E-02 1.32 COR1_Trucks 23 110543 Hexane 1.17E-02 1.34 COR1_Trucks 23 67561 Methanol 8.78E-04 1.00 COR1_Trucks 23 78933 Methyl Ethyl Ketor 1.46E-04 1.67 COR1_Trucks 23 91203 Naphthalene 3.66E-04 4.17 COR1_Trucks 23 115071 Propylene 2.24E-02 2.55 COR1_Trucks 23 100425 Styrene 8.78E-04 1.00		 			
COR1_Trucks 23 100414 Ethylbenzene 7.68E-03 8.77 COR1_Trucks 23 50000 Formaldehyde 1.16E-02 1.32 COR1_Trucks 23 110543 Hexane 1.17E-02 1.34 COR1_Trucks 23 67561 Methanol 8.78E-04 1.00 COR1_Trucks 23 78933 Methyl Ethyl Ketor 1.46E-04 1.67 COR1_Trucks 23 91203 Naphthalene 3.66E-04 4.17 COR1_Trucks 23 115071 Propylene 2.24E-02 2.55 COR1_Trucks 23 100425 Styrene 8.78E-04 1.00		<u> </u>			
COR1_Trucks 23 50000 Formaldehyde 1.16E-02 1.32 COR1_Trucks 23 110543 Hexane 1.17E-02 1.34 COR1_Trucks 23 67561 Methanol 8.78E-04 1.00 COR1_Trucks 23 78933 Methyl Ethyl Ketor 1.46E-04 1.67 COR1_Trucks 23 91203 Naphthalene 3.66E-04 4.17 COR1_Trucks 23 115071 Propylene 2.24E-02 2.55 COR1_Trucks 23 100425 Styrene 8.78E-04 1.00					4.59E-07
COR1_Trucks 23 110543 Hexane 1.17E-02 1.34 COR1_Trucks 23 67561 Methanol 8.78E-04 1.00 COR1_Trucks 23 78933 Methyl Ethyl Ketor 1.46E-04 1.67 COR1_Trucks 23 91203 Naphthalene 3.66E-04 4.17 COR1_Trucks 23 115071 Propylene 2.24E-02 2.55 COR1_Trucks 23 100425 Styrene 8.78E-04 1.00					8.77E-07
COR1_Trucks 23 67561 Methanol 8.78E-04 1.00 COR1_Trucks 23 78933 Methyl Ethyl Ketor 1.46E-04 1.67 COR1_Trucks 23 91203 Naphthalene 3.66E-04 4.17 COR1_Trucks 23 115071 Propylene 2.24E-02 2.55 COR1_Trucks 23 100425 Styrene 8.78E-04 1.00		<u> </u>			1.32E-06
COR1_Trucks 23 78933 Methyl Ethyl Ketor 1.46E-04 1.67 COR1_Trucks 23 91203 Naphthalene 3.66E-04 4.17 COR1_Trucks 23 115071 Propylene 2.24E-02 2.55 COR1_Trucks 23 100425 Styrene 8.78E-04 1.00					
COR1_Trucks 23 91203 Naphthalene 3.66E-04 4.17 COR1_Trucks 23 115071 Propylene 2.24E-02 2.55 COR1_Trucks 23 100425 Styrene 8.78E-04 1.00					1.00E-07
COR1_Trucks 23 115071 Propylene 2.24E-02 2.55 COR1_Trucks 23 100425 Styrene 8.78E-04 1.00			 		1.67E-08
COR1_Trucks 23 100425 Styrene 8.78E-04 1.00			•		4.17E-08
					2.55E-06
COR1_Trucks 23 108883 Toluene 4.21E-02 4.81					1.00E-07
					4.81E-06
			,		4.01E-06
					3.97E-06
		<u> </u>			1.85E-06
				3.07E-01	3.51E-05
	COR2_Trucks			6.84E-02	7.81E-06
COR2_Trucks 24 100414 Ethylbenzene 1.31E-01 1.49	COR2_Trucks	24 100414	1 Ethylbenzene	1.31E-01	1.49E-05
COR2_Trucks 24 50000 Formaldehyde 1.96E-01 2.24	COR2_Trucks	24 50000	Formaldehyde	1.96E-01	2.24E-05
	COR2_Trucks		•	1.99E-01	2.27E-05
	COR2_Trucks		1 Methanol	1.49E-02	1.70E-06
					2.84E-07

COR2_Trucks	24		Naphthalene	6.22E-03	7.10E-07
COR2_Trucks	24	115071	Propylene	3.80E-01	4.34E-05
COR2_Trucks	24	100425	Styrene	1.49E-02	1.70E-06
COR2_Trucks	24	108883	Toluene	7.16E-01	8.18E-05
COR2_Trucks	24	1330207	Xylenes	5.97E-01	6.81E-05
PEN2_Trucks	25	75070	Acetaldehyde	3.75E-02	4.29E-06
PEN2_Trucks	25		Acrolein	1.74E-02	1.99E-06
PEN2_Trucks	25	71432	Benzene	3.31E-01	3.78E-05
PEN2_Trucks	25		1,3-Butadiene	7.38E-02	8.42E-06
PEN2_Trucks	25		Ethylbenzene	1.41E-01	1.61E-05
PEN2_Trucks	25		Formaldehyde	2.12E-01	2.42E-05
PEN2_Trucks	25		Hexane	2.15E-01	2.45E-05
PEN2_Trucks	25		Methanol	1.61E-02	
PEN2_Trucks	25		Methyl Ethyl Ketor	2.68E-03	
PEN2_Trucks	25		Naphthalene	6.70E-03	
PEN2_Trucks	25		Propylene	4.10E-01	4.68E-05
PEN2_Trucks	25		Styrene	1.61E-02	1.84E-06
PEN2_Trucks	25		Toluene	7.72E-01	8.82E-05
PEN2_Trucks	25	1330207		6.44E-01	7.35E-05
HY01_Trucks	26		Acetaldehyde	4.57E-02	5.22E-06
HY01_Trucks	26		Acrolein	2.12E-02	2.42E-06
HY01_Trucks	26		Benzene	4.03E-01	4.61E-05
HY01_Trucks	26		1,3-Butadiene	8.98E-02	
HY01_Trucks	26		Ethylbenzene	1.72E-01	1.96E-05
HY01_Trucks	26		Formaldehyde	2.58E-01	2.95E-05
HY01_Trucks	26		Hexane	2.61E-01	2.98E-05
HY01_Trucks	26		Methanol	1.96E-02	2.24E-06
HY01_Trucks	26		Methyl Ethyl Ketor	3.27E-03	
HY01_Trucks	26		Naphthalene	8.17E-03	
HY01_Trucks	26		Propylene	5.00E-01	5.71E-05
HY01_Trucks	26		Styrene	1.96E-02	
HY01_Trucks	26		Toluene	9.41E-01	
HY01_Trucks	26	1330207		7.84E-01	8.95E-05
HY02_Trucks	27		Acetaldehyde	7.30E-02	
HY02_Trucks	27		Acrolein	3.39E-02	
HY02_Trucks HY02_Trucks	27		Benzene	6.44E-01	3.87E-06 7.36E-05
HY02_Trucks HY02_Trucks	27		1,3-Butadiene	1.43E-01	7.36E-05 1.64E-05
	27				
HY02_Trucks			Ethylbenzene	2.74E-01	3.13E-05
HY02_Trucks	27		Formaldehyde	4.12E-01	4.71E-05
HY02_Trucks	27		Hexane Methanal	4.17E-01	
HY02_Trucks	27		Methanol	3.13E-02	
HY02_Trucks	27		Methyl Ethyl Ketor	5.22E-03	
HY02_Trucks	27		Naphthalene	1.30E-02	
HY02_Trucks	27		Propylene	7.98E-01	9.11E-05
HY02_Trucks	27		Styrene	3.13E-02	
HY02_Trucks	27		Toluene	1.50E+00	
HY02_Trucks	27	1330207	xylenes	1.25E+00	1.43E-04

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PEN3_Trucks	28		Acetaldehyde	3.69E-02	4.21E-06
PEN3_Trucks	28		Acrolein	1.71E-02	1.95E-06
PEN3_Trucks	28		Benzene	3.25E-01	3.71E-05
PEN3_Trucks	28		1,3-Butadiene	7.24E-02	8.27E-06
PEN3_Trucks	28	100414	Ethylbenzene	1.38E-01	1.58E-05
PEN3_Trucks	28		Formaldehyde	2.08E-01	2.37E-05
PEN3_Trucks	28	110543	Hexane	2.11E-01	2.40E-05
PEN3_Trucks	28		Methanol	1.58E-02	1.80E-06
PEN3_Trucks	28	78933	Methyl Ethyl Ketor	2.63E-03	3.01E-07
PEN3_Trucks	28	91203	Naphthalene	6.58E-03	7.51E-07
PEN3_Trucks	28		Propylene	4.03E-01	4.60E-05
PEN3_Trucks	28		Styrene	1.58E-02	1.80E-06
PEN3_Trucks	28		Toluene	7.58E-01	8.66E-05
PEN3_Trucks	28	1330207	Xylenes	6.32E-01	7.21E-05
PEN4_Trucks	29		Acetaldehyde	5.05E-02	5.77E-06
PEN4_Trucks	29		Acrolein	2.35E-02	2.68E-06
PEN4_Trucks	29	71432	Benzene	4.46E-01	5.09E-05
PEN4_Trucks	29		1,3-Butadiene	9.92E-02	1.13E-05
PEN4_Trucks	29		Ethylbenzene	1.89E-01	2.16E-05
PEN4_Trucks	29	50000	Formaldehyde	2.85E-01	3.25E-05
PEN4_Trucks	29	110543	Hexane	2.89E-01	3.30E-05
PEN4_Trucks	29	67561	Methanol	2.16E-02	2.47E-06
PEN4_Trucks	29		Methyl Ethyl Ketor	3.61E-03	4.12E-07
PEN4_Trucks	29		Naphthalene	9.02E-03	1.03E-06
PEN4_Trucks	29		Propylene	5.52E-01	6.30E-05
PEN4_Trucks	29		Styrene	2.16E-02	2.47E-06
PEN4_Trucks	29	108883	Toluene	1.04E+00	1.19E-04
PEN4_Trucks	29	1330207		8.66E-01	9.89E-05
WTX1_Trucks	30		Acetaldehyde	1.37E-02	1.56E-06
WTX1_Trucks	30		Acrolein	6.34E-03	7.24E-07
WTX1_Trucks	30		Benzene	1.20E-01	1.37E-05
WTX1_Trucks	30		1,3-Butadiene	2.68E-02	3.06E-06
WTX1_Trucks	30		Ethylbenzene	5.12E-02	5.84E-06
WTX1_Trucks	30		Formaldehyde	7.70E-02	8.79E-06
WTX1_Trucks	30		Hexane	7.80E-02	8.91E-06
WTX1_Trucks	30		Methanol	5.85E-03	6.68E-07
WTX1_Trucks	30		Methyl Ethyl Ketor	9.75E-04	1.11E-07
WTX1_Trucks	30		Naphthalene	2.44E-03	2.78E-07
WTX1_Trucks	30		Propylene	1.49E-01	1.70E-05
WTX1_Trucks	30		Styrene	5.85E-03	6.68E-07
WTX1_Trucks	30		Toluene	2.81E-01	3.21E-05
WTX1_Trucks	30	1330207	,	2.34E-01	2.67E-05
BEK1_Trucks	31		Acetaldehyde	4.71E-02	5.38E-06
BEK1_Trucks	31		Acrolein	2.19E-02	2.50E-06
BEK1_Trucks	31		Benzene	4.16E-01	4.74E-05
BEK1_Trucks	31		1,3-Butadiene	9.25E-02	1.06E-05
BEK1_Trucks	31	100414	Ethylbenzene	1.77E-01	2.02E-05

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BEK1_Trucks	31		Formaldehyde	2.66E-01	3.03E-05
BEK1_Trucks	31	110543	Hexane	2.69E-01	3.07E-05
BEK1_Trucks	31	67561	Methanol	2.02E-02	2.30E-06
BEK1_Trucks	31	78933	Methyl Ethyl Ketor	3.36E-03	3.84E-07
BEK1_Trucks	31		Naphthalene	8.41E-03	9.60E-07
BEK1_Trucks	31		Propylene	5.15E-01	5.88E-05
BEK1_Trucks	31		Styrene	2.02E-02	2.30E-06
BEK1_Trucks	31		Toluene	9.69E-01	1.11E-04
BEK1_Trucks	31	1330207		8.07E-01	9.22E-05
BEK2_Trucks	32		Acetaldehyde	4.71E-02	5.38E-06
BEK2_Trucks	32		Acrolein	2.19E-02	2.50E-06
BEK2_Trucks	32		Benzene	4.16E-01	4.74E-05
BEK2_Trucks	32		1,3-Butadiene	9.25E-02	1.06E-05
BEK2_Trucks	32		Ethylbenzene	1.77E-01	2.02E-05
BEK2_Trucks	32		Formaldehyde	2.66E-01	3.03E-05
BEK2_Trucks	32		Hexane	2.69E-01	3.03E-05
BEK2_Trucks	32		Methanol	2.02E-02	2.30E-06
BEK2_Trucks	32		Methyl Ethyl Ketor	3.36E-03	3.84E-07
BEK2_Trucks	32			8.41E-03	9.60E-07
	32		Naphthalene		5.88E-05
BEK2_Trucks	32		Propylene	5.15E-01	
BEK2_Trucks			Styrene	2.02E-02	2.30E-06
BEK2_Trucks	32		Toluene	9.69E-01	1.11E-04
BEK2_Trucks	32	1330207	,	8.07E-01	9.22E-05
HY04_Cars	19		Acetaldehyde	3.41E-03	3.90E-07
COR3_Trucks	33		Acrolein	3.17E-03	3.62E-07
COR3_Trucks	33		Benzene	6.02E-02	6.87E-06
COR3_Trucks	33		1,3-Butadiene	1.34E-02	1.53E-06
COR3_Trucks	33		Ethylbenzene	2.56E-02	2.92E-06
COR3_Trucks	33		Formaldehyde	3.85E-02	4.40E-06
COR3_Trucks	33		Hexane	3.90E-02	4.45E-06
COR3_Trucks	33		Methanol	2.93E-03	3.34E-07
COR3_Trucks	33		Methyl Ethyl Ketor	4.88E-04	5.57E-08
COR3_Trucks	33		Naphthalene	1.22E-03	1.39E-07
COR3_Trucks	33		Propylene	7.46E-02	8.52E-06
COR3_Trucks	33		Styrene	2.93E-03	3.34E-07
COR3_Trucks	33		Toluene	1.40E-01	1.60E-05
COR3_Trucks	33	1330207		1.17E-01	1.34E-05
BEK3_Trucks	34	75070	Acetaldehyde	1.77E-02	2.03E-06
BEK3_Trucks	34	107028	Acrolein	8.24E-03	9.41E-07
BEK3_Trucks	34	71432	Benzene	1.57E-01	1.79E-05
BEK3_Trucks	34	106990	1,3-Butadiene	3.49E-02	3.98E-06
BEK3_Trucks	34	100414	Ethylbenzene	6.66E-02	7.60E-06
BEK3_Trucks	34	50000	Formaldehyde	1.00E-01	1.14E-05
BEK3_Trucks	34		Hexane	1.01E-01	1.16E-05
BEK3_Trucks	34	67561	Methanol	7.61E-03	8.68E-07
BEK3_Trucks	34	78933	Methyl Ethyl Ketor	1.27E-03	1.45E-07
BEK3_Trucks	34		Naphthalene	3.17E-03	3.62E-07
		-			

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BEK3_Trucks	34		Propylene	1.94E-01	2.21E-05
BEK3_Trucks	34		Styrene	7.61E-03	8.68E-07
BEK3_Trucks	34		Toluene	3.65E-01	4.17E-05
BEK3_Trucks	34	1330207		3.04E-01	3.47E-05
BEK4_Trucks	35		Acetaldehyde	6.83E-03	7.79E-07
BEK4_Trucks	35	107028	Acrolein	3.17E-03	3.62E-07
BEK4_Trucks	35	71432	Benzene	6.02E-02	6.87E-06
BEK4_Trucks	35		1,3-Butadiene	1.34E-02	1.53E-06
BEK4_Trucks	35	100414	Ethylbenzene	2.56E-02	2.92E-06
BEK4_Trucks	35	50000	Formaldehyde	3.85E-02	4.40E-06
BEK4_Trucks	35	110543	Hexane	3.90E-02	4.45E-06
BEK4_Trucks	35	67561	Methanol	2.93E-03	3.34E-07
BEK4_Trucks	35	78933	Methyl Ethyl Ketor	4.88E-04	5.57E-08
BEK4_Trucks	35		Naphthalene	1.22E-03	1.39E-07
BEK4_Trucks	35		Propylene	7.46E-02	8.52E-06
BEK4_Trucks	35		Styrene	2.93E-03	3.34E-07
BEK4_Trucks	35		Toluene	1.40E-01	1.60E-05
BEK4_Trucks	35	1330207		1.17E-01	1.34E-05
BEK5_Trucks	36		Acetaldehyde	1.09E-02	1.25E-06
BEK5_Trucks	36		Acrolein	5.07E-03	5.79E-07
BEK5_Trucks	36		Benzene	9.64E-02	1.10E-05
BEK5_Trucks	36		1,3-Butadiene	2.15E-02	2.45E-06
BEK5_Trucks	36		Ethylbenzene	4.10E-02	4.68E-06
BEK5_Trucks	36		Formaldehyde	6.16E-02	7.04E-06
BEK5_Trucks	36		Hexane	6.24E-02	7.12E-06
BEK5_Trucks	36		Methanol	4.68E-03	5.34E-07
BEK5_Trucks	36		Methyl Ethyl Ketor	7.80E-04	8.91E-08
BEK5_Trucks	36		Naphthalene	1.95E-03	2.23E-07
BEK5_Trucks	36		Propylene	1.19E-01	1.36E-05
BEK5_Trucks	36		Styrene	4.68E-03	5.34E-07
BEK5_Trucks	36		Toluene	2.25E-01	2.56E-05
BEK5_Trucks	36	1330207		1.87E-01	2.30L-03 2.14E-05
CBN1_Trucks	37			0.00E+00	0.00E+00
CBN1_Trucks	37		Acetaldehyde Acrolein	0.00E+00	0.00E+00
CBN1_Trucks	37		Benzene	0.00E+00	0.00E+00
	37			0.00E+00 0.00E+00	
CBN1_Trucks			1,3-Butadiene		0.00E+00
CBN1_Trucks	37		Ethylbenzene	0.00E+00	0.00E+00
CBN1_Trucks	37		Formaldehyde	0.00E+00	0.00E+00
CBN1_Trucks	37		Hexane	0.00E+00	0.00E+00
CBN1_Trucks	37		Methanol	0.00E+00	0.00E+00
CBN1_Trucks	37		Methyl Ethyl Ketor	0.00E+00	0.00E+00
CBN1_Trucks	37		Naphthalene	0.00E+00	0.00E+00
CBN1_Trucks	37		Propylene	0.00E+00	0.00E+00
CBN1_Trucks	37		Styrene	0.00E+00	0.00E+00
CBN1_Trucks	37		Toluene	0.00E+00	0.00E+00
CBN1_Trucks	37	1330207	,	0.00E+00	0.00E+00
CBN2_Trucks	38	75070	Acetaldehyde	0.00E+00	0.00E+00

CBN2_Trucks	38	107028	Acrolein	0.00E+00	0.00E+00
CBN2_Trucks	38	71432	Benzene	0.00E+00	0.00E+00
CBN2_Trucks	38		1,3-Butadiene	0.00E+00	0.00E+00
CBN2_Trucks	38		Ethylbenzene	0.00E+00	0.00E+00
CBN2_Trucks	38		Formaldehyde	0.00E+00	0.00E+00
CBN2_Trucks	38		Hexane	0.00E+00	0.00E+00
CBN2_Trucks	38		Methanol	0.00E+00	0.00E+00
CBN2_Trucks	38		Methyl Ethyl Ketor	0.00E+00	0.00E+00
CBN2_Trucks	38		Naphthalene	0.00E+00	0.00E+00
CBN2_Trucks	38		Propylene	0.00E+00	0.00E+00
CBN2_Trucks	38		Styrene	0.00E+00	0.00E+00
CBN2_Trucks	38		Toluene	0.00E+00	0.00E+00
CBN2_Trucks	38	1330207		0.00E+00	0.00E+00
HY03_Trucks	39		Acetaldehyde	4.03E-02	4.60E-06
HY03_Trucks	39		Acrolein	1.87E-02	2.13E-06
HY03_Trucks	39		Benzene	3.55E-01	4.06E-05
HY03_Trucks	39		1,3-Butadiene	7.91E-02	9.03E-06
HY03_Trucks	39		Ethylbenzene	1.51E-01	1.72E-05
HY03_Trucks	39		Formaldehyde	2.27E-01	2.59E-05
HY03_Trucks	39		Hexane	2.30E-01	2.63E-05
HY03_Trucks	39		Methanol	1.73E-02	1.97E-06
HY03_Trucks	39		Methyl Ethyl Ketor	2.88E-03	3.28E-07
HY03_Trucks	39		Naphthalene	7.19E-03	8.21E-07
HY03_Trucks	39			4.40E-01	5.02E-05
HY03_Trucks	39		Propylene Styrene	1.73E-02	1.97E-06
HY03_Trucks	39		Toluene	8.29E-01	9.46E-05
HY03_Trucks	39	1330207		6.29E-01	7.40E-05 7.88E-05
HY04_Trucks	40		Acetaldehyde	3.41E-03	3.90E-07
HY04_Trucks	40		Acrolein	1.58E-03	1.81E-07
HY04_Trucks	40		Benzene	3.01E-02	3.44E-06
HY04_Trucks	40		1,3-Butadiene	6.70E-03	7.65E-07
HY04_Trucks	40		Ethylbenzene	1.28E-02	1.46E-06
HY04_Trucks	40		Formaldehyde	1.93E-02	2.20E-06
HY04_Trucks	40		Hexane	1.95E-02	2.23E-06
HY04_Trucks	40		Methanol	1.46E-03	1.67E-07
HY04_Trucks	40		Methyl Ethyl Ketor	2.44E-04	
	40		Naphthalene		2.78E-08
HY04_Trucks	40		·	6.10E-04	6.96E-08
HY04_Trucks HY04_Trucks	40		Propylene Styrono	3.73E-02 1.46E-03	4.26E-06
			Styrene Toluene		1.67E-07
HY04_Trucks HY04_Trucks	40 40			7.02E-02	8.02E-06
HY05_Trucks	40	1330207	Acetaldehyde	5.85E-02 5.19E-02	6.68E-06 5.92E-06
	41		Acrolein		
HY05_Trucks HY05_Trucks	41			2.41E-02	2.75E-06
	41		Benzene	4.58E-01	5.22E-05
HY05_Trucks HY05_Trucks	41		1,3-Butadiene	1.02E-01	1.16E-05
HY05_Trucks HY05_Trucks	41		Ethylbenzene Formaldobydo	1.95E-01	2.22E-05
LLTOS_LLUCKS	41	00000	Formaldehyde	2.93E-01	3.34E-05

HY05_Trucks	41	110543	Hexane	2.96E-01	3.38E-05
HY05_Trucks	41	67561	Methanol	2.22E-02	2.54E-06
HY05_Trucks	41	78933	Methyl Ethyl Ketor	3.71E-03	4.23E-07
HY05_Trucks	41	91203	Naphthalene	9.26E-03	1.06E-06
HY05_Trucks	41	115071	Propylene	5.67E-01	6.47E-05
HY05_Trucks	41		Styrene	2.22E-02	2.54E-06
HY05_Trucks	41	108883	Toluene	1.07E+00	1.22E-04
HY05_Trucks	41	1330207	Xylenes	8.89E-01	1.02E-04
HY06_Trucks	42	75070	Acetaldehyde	7.17E-02	8.18E-06
HY06_Trucks	42	107028	Acrolein	3.33E-02	3.80E-06
HY06_Trucks	42	71432	Benzene	6.32E-01	7.22E-05
HY06_Trucks	42		1,3-Butadiene	1.41E-01	1.61E-05
HY06_Trucks	42	100414	Ethylbenzene	2.69E-01	3.07E-05
HY06_Trucks	42	50000	Formaldehyde	4.04E-01	4.62E-05
HY06_Trucks	42	110543	Hexane	4.10E-01	4.68E-05
HY06_Trucks	42	67561	Methanol	3.07E-02	3.51E-06
HY06_Trucks	42	78933	Methyl Ethyl Ketor	5.12E-03	5.84E-07
HY06_Trucks	42	91203	Naphthalene	1.28E-02	1.46E-06
HY06_Trucks	42	115071	Propylene	7.83E-01	8.94E-05
HY06_Trucks	42	100425	Styrene	3.07E-02	3.51E-06
HY06_Trucks	42	108883	Toluene	1.47E+00	1.68E-04
HY06_Trucks	42	1330207	Xylenes	1.23E+00	1.40E-04

Mitigated			T	70	
SRC ID	SRC No.	CAS	Pollutant	(Interim Ops - On	•
				lb/yr	lb/hr
GEN_A	1		DieselExhPM	1.40E+00	0.00E+00
GEN_BC	2		DieselExhPM	1.40E+00	0.00E+00
FWP_A	3		DieselExhPM	9.86E-01	0.00E+00
FWP_BC	4		DieselExhPM	9.86E-01	0.00E+00
TRU_A	5		DieselExhPM	2.65E+00	0.00E+00
TRU_BC	6		DieselExhPM	1.29E+01	0.00E+00
FLA	7		DieselExhPM	0.00E+00	0.00E+00
FLB	8		DieselExhPM	0.00E+00	0.00E+00
CARS	9		DieselExhPM	2.58E+00	0.00E+00
TRUCKS	10		DieselExhPM	1.94E-01	0.00E+00
CARS	9		Acetaldehyde	7.85E-01	8.96E-05
CARS	9		Acrolein	3.64E-01	4.16E-05
CARS	9		Benzene	6.92E+00	7.90E-04
CARS	9	106990	1,3-Butadiene	1.54E+00	1.76E-04
CARS	9		Ethylbenzene	2.94E+00	3.36E-04
CARS	9	50000	Formaldehyde	4.43E+00	5.05E-04
CARS	9	110543	Hexane	4.48E+00	5.12E-04
CARS	9	67561	Methanol	3.36E-01	3.84E-05
CARS	9	78933	Methyl Ethyl Ketone	5.61E-02	6.40E-06
CARS	9	91203	Naphthalene	1.40E-01	1.60E-05
CARS	9	115071	Propylene	8.58E+00	9.79E-04
CARS	9	100425	Styrene	3.36E-01	3.84E-05
CARS	9	108883	Toluene	1.61E+01	1.84E-03
CARS	9	1330207	Xylenes	1.35E+01	1.54E-03
TRUCKS	10	75070	Acetaldehyde	4.28E-04	4.88E-08
TRUCKS	10	107028	Acrolein	1.99E-04	2.27E-08
TRUCKS	10	71432	Benzene	3.77E-03	4.31E-07
TRUCKS	10	106990	1,3-Butadiene	8.41E-04	9.60E-08
TRUCKS	10		Ethylbenzene	1.60E-03	1.83E-07
TRUCKS	10	50000	Formaldehyde	2.41E-03	2.76E-07
TRUCKS	10		Hexane	2.45E-03	2.79E-07
TRUCKS	10	67561	Methanol	1.83E-04	2.09E-08
TRUCKS	10		Methyl Ethyl Ketone	3.06E-05	3.49E-09
TRUCKS	10		Naphthalene	7.64E-05	8.72E-09
TRUCKS	10		Propylene	4.68E-03	5.34E-07
TRUCKS	10		Styrene	1.83E-04	2.09E-08
TRUCKS	10		Toluene	8.80E-03	1.00E-06
TRUCKS	10		Xylenes	7.34E-03	8.37E-07

Attachment D Health Risk Assessment and PM_{2.5} Modeling Inputs (Reduced Footprint)

Unmitigated	Proposed Project - Construction						
	2024	2025	2026				
Source	Total PM2.5	Total PM2.5	Total PM2.5				
Source	(ton/yr)	(ton/yr)	(ton/yr)				
Phase 1	0.909	•	-				
Offsite	0.116	•	-				
Phase 2	0.021	0.027	-				
Phase 3	•	0.000	0.043				
Const Trucks	0.013	0.020	0.013				
Const Cars	0.031	0.048	0.032				

Unmitigated	Reduced Footprint - Construction					
	2024	2025	2026			
Course	Total PM2.5	Total PM2.5	Total PM2.5			
Source	(ton/yr)	(ton/yr)	(ton/yr)			
Phase 1	0.681	-	-			
Offsite	0.076	•	-			
Phase 2	0.031	0.000	•			
Phase 3	1	0.027	0.016			
Const Trucks	0.010	0.007	0.006			
Const Cars	0.025	0.017	0.015			

Unmitigated	% Difference - Construction					
	2024	2025	2026			
Source	Total PM2.5	Total PM2.5	Total PM2.5			
Source	(ton/yr)	(ton/yr)	(ton/yr)			
Phase 1	-25%	-	•			
Offsite	-34%	-	-			
Phase 2	48%	-100%	•			
Phase 3	-	100%	-63%			
Const Trucks	-25%	-65%	-54%			
Const Cars	-17%	-66%	-52%			

Unmitigated		Annual PM2.5 Conc. (ug/m3)								
					2024					
	% Diff Total		Est. Reduced		Est. Reduced		Est. Reduced			
Source	PM2.5	Project -	Footprint -		Footprint -		Footprint -	Project -	Est. Reduced	
	(ton/yr)	Resident	Resident	Project - Worker	Worker	Project - Student	Student	Child	Footprint - Child	
Phase 1	-25%	0.1260	0.0944	0.5580	0.4181	0.0720	0.0539	0.0450	0.0337	
Offsite	-34%	0.0060	0.0039	0.0540	0.0355	0.0050	0.0033	0.0040	0.0026	
Phase 2	48%	0.0110	0.0057	0.0140	0.0073	0.0060	0.0031	0.0040	0.0021	
Phase 3	-		-		-		-		-	
Const Trucks	-25%	0.0002	0.0002	0.0010	0.0008	0.0002	0.0002	0.0002	0.0002	
Const Cars	-17%	0.0010	0.0008	0.0020	0.0017	0.0010	0.0008	0.0003	0.0002	
Sum		0.144	0.105	0.629	0.463	0.084	0.061	0.054	0.039	

Unmitigated		Annual PM2.5 Conc. (ug/m3)								
					2025					
	% Diff Total		Est. Reduced		Est. Reduced		Est. Reduced			
Source	PM2.5	Project -	Footprint -		Footprint -		Footprint -	Project -	Est. Reduced	
	(ton/yr)	Resident	Resident	Project - Worker	Worker	Project - Student	Student	Child	Footprint - Child	
Phase 1	-		-		-		-		-	
Offsite	-		-		-		-		-	
Phase 2	-100%	0.0060	0.0000	0.0060	0.0000	0.0060	0.0000	0.0040	0.0000	
Phase 3	100%		0.0000		0.0000		0.0000		0.0000	
Const Trucks	-65%	0.0010	0.0004	0.0020	0.0007	0.0007	0.0002	0.0002	0.0001	
Const Cars	-66%	0.0020	0.0007	0.0050	0.0017	0.0010	0.0003	0.0003	0.0001	
Sum		0.009	0.001	0.013	0.002	0.008	0.001	0.005	0.000	

Unmitigated		Annual PM2.5 Conc. (ug/m3)								
					2026					
	% Diff Total		Est. Reduced		Est. Reduced		Est. Reduced			
Source	PM2.5	Project -	Footprint -		Footprint -		Footprint -	Project -	Est. Reduced	
	(ton/yr)	Resident	Resident	Project - Worker	Worker	Project - Student	Student	Child	Footprint - Child	
Phase 1	-		-		-		-		-	
Offsite	-		-		-		-		-	
Phase 2	-		-		-		-		-	
Phase 3	-63%	0.0030	0.0011	0.0280	0.0105	0.0020	0.0007	0.0020	0.0007	
Const Trucks	-54%	0.0004	0.0002	0.0010	0.0005	0.0003	0.0001	0.0002	0.0001	
Const Cars	-52%	0.0010	0.0005	0.0020	0.0010	0.0010	0.0005	0.0004	0.0002	
Sum		0.004	0.002	0.031	0.012	0.003	0.001	0.003	0.001	

HARP2 Emission Inputs (Unmitigated - Alternative 2)

HARF2 EIIIISSIOITIII	puts (Ormin	tigatou 7	2)	20	24
SRC ID	SRC No.	CAS	Pollutant	lb/yr	lb/hr
DEMO	1	9901	DieselExhPM	2.53E+02	0.00E+00
CONST_PHASE1	2	9901	DieselExhPM	5.92E+01	0.00E+00
CONST_OFFSITE	3	9901	DieselExhPM	1.24E+02	0.00E+00
PEN1	4	9901	DieselExhPM	1.15E-01	0.00E+00
COR2	5	9901	DieselExhPM	1.46E-01	0.00E+00
PEN2	6	9901	DieselExhPM	7.08E-02	0.00E+00
PEN3	7	9901	DieselExhPM	5.93E-02	0.00E+00
PEN4	8	9901	DieselExhPM	5.95E-02	0.00E+00
HY03	9	9901	DieselExhPM	1.17E-01	0.00E+00
HY04	10	9901	DieselExhPM	1.17E-01	0.00E+00
HY05	11	9901	DieselExhPM	1.04E-01	0.00E+00
HY06	12	9901	DieselExhPM	1.04E-01	0.00E+00
PEN5	13	9901	DieselExhPM	6.76E-02	0.00E+00
PEN6	14	9901	DieselExhPM	6.78E-02	0.00E+00
PEN1_TRK	15	9901	DieselExhPM	8.46E-02	0.00E+00
COR2_TRK	16	9901	DieselExhPM	1.08E-01	0.00E+00
PEN2_TRK	17	9901	DieselExhPM	5.23E-02	0.00E+00
PEN3_TRK	18	9901	DieselExhPM	4.38E-02	0.00E+00
PEN4_TRK	19	9901	DieselExhPM	4.40E-02	0.00E+00
HY03_TRK	20	9901	DieselExhPM	8.61E-02	0.00E+00
HY04_TRK	21	9901	DieselExhPM	8.64E-02	0.00E+00
HY05_TRK	22	9901	DieselExhPM	7.69E-02	0.00E+00
HY06_TRK	23	9901	DieselExhPM	7.72E-02	0.00E+00
PEN5_TRK	24	9901	DieselExhPM	4.99E-02	0.00E+00
PEN6_TRK	25	9901	DieselExhPM	5.01E-02	0.00E+00
PEN1	4	75070	Acetaldehyde	5.98E-03	6.82E-07
PEN1	4	107028	Acrolein	2.77E-03	3.17E-07
PEN1	4	71432	Benzene	5.27E-02	6.02E-06
PEN1	4	106990	1,3-Butadiene	1.17E-02	1.34E-06
PEN1	4	100414	Ethylbenzene	2.24E-02	2.56E-06
PEN1	4	50000	Formaldehyde	3.37E-02	3.85E-06
PEN1	4	110543	Hexane	3.42E-02	3.90E-06
PEN1	4	67561	Methanol	2.56E-03	2.92E-07
PEN1	4	78933	Methyl Ethyl Ketone	4.27E-04	4.87E-08
PEN1	4	91203	Naphthalene	1.07E-03	1.22E-07
PEN1	4	115071	Propylene	6.53E-02	7.46E-06
PEN1	4	100425	Styrene	2.56E-03	2.92E-07
PEN1	4	108883	Toluene	1.23E-01	1.40E-05
PEN1	4	1330207	Xylenes	1.02E-01	1.17E-05
COR2	5	75070	Acetaldehyde	7.59E-03	8.67E-07
COR2	5	107028	Acrolein	3.52E-03	4.02E-07
COR2	5	71432	Benzene	6.70E-02	7.64E-06
COR2	5	106990	1,3-Butadiene	1.49E-02	1.70E-06
COR2	5	100414	Ethylbenzene	2.85E-02	3.25E-06

PEN3 7 100425 Styrene 1.33E-03 1.51E-07 PEN3 7 108883 Toluene 6.37E-02 7.27E-06 PEN3 7 1330207 Xylenes 5.31E-02 6.06E-06 PEN4 8 75070 Acetaldehyde 3.10E-03 3.54E-07 PEN4 8 107028 Acrolein 1.44E-03 1.65E-07 PEN4 8 71432 Benzene 2.74E-02 3.13E-06 PEN4 8 106990 1,3-Butadiene 6.10E-03 6.96E-07 PEN4 8 100414 Ethylbenzene 1.16E-02 1.33E-06 PEN4 8 50000 Formaldehyde 1.75E-02 2.00E-06 PEN4 8 67561 Methanol 1.33E-03 1.52E-07 PEN4 8 67561 Methanol 1.33E-04 2.22E-04 2.53E-08	2222			<u> </u>	1	
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PEN3 7 107028 Acrolein 1.44E-03 1.64E-07 PEN3 7 71432 Benzene 2.73E-02 3.12E-06 PEN3 7 106990 1,3-Butadiene 6.08E-03 6.94E-07 PEN3 7 100414 Ethylbenzene 1.16E-02 1.32E-06 PEN3 7 50000 Formaldehyde 1.75E-02 1.99E-06 PEN3 7 110543 Hexane 1.77E-02 2.02E-06 PEN3 7 67561 Methanol 1.33E-03 1.51E-07 PEN3 7 78933 Methyl Ethyl Ketone 2.21E-04 2.52E-08 PEN3 7 91203 Naphthalene 5.53E-04 6.31E-08 PEN3 7 115071 Propylene 3.38E-02 3.86E-06 PEN3 7 100425 Styrene 1.33E-03 1.51E-07 PEN3 7 108883 Toluene 6.37E-02 7.27E-06 PEN4 8 75070 <						
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PEN3 7 106990 1,3-Butadiene 6.08E-03 6.94E-07 PEN3 7 100414 Ethylbenzene 1.16E-02 1.32E-06 PEN3 7 50000 Formaldehyde 1.75E-02 1.99E-06 PEN3 7 110543 Hexane 1.77E-02 2.02E-06 PEN3 7 67561 Methanol 1.33E-03 1.51E-07 PEN3 7 78933 Methyl Ethyl Ketone 2.21E-04 2.52E-08 PEN3 7 91203 Naphthalene 5.53E-04 6.31E-08 PEN3 7 115071 Propylene 3.38E-02 3.86E-06 PEN3 7 100425 Styrene 1.33E-03 1.51E-07 PEN3 7 108883 Toluene 6.37E-02 7.27E-06 PEN3 7 1330207 Xylenes 5.31E-02 6.06E-06 PEN4 8 75070 Acetaldehyde 3.10E-03 3.54E-07 PEN4 8 107028						
PEN3 7 100414 Ethylbenzene 1.16E-02 1.32E-06 PEN3 7 50000 Formaldehyde 1.775E-02 1.99E-06 PEN3 7 110543 Hexane 1.77E-02 2.02E-06 PEN3 7 67561 Methanol 1.33E-03 1.51E-07 PEN3 7 78933 Methyl Ethyl Ketone 2.21E-04 2.52E-08 PEN3 7 91203 Naphthalene 5.53E-04 6.31E-08 PEN3 7 115071 Propylene 3.38E-02 3.86E-06 PEN3 7 100425 Styrene 1.33E-03 1.51E-07 PEN3 7 108883 Toluene 6.37E-02 7.27E-06 PEN3 7 108883 Toluene 6.37E-02 7.27E-06 PEN4 8 75070 Acetaldehyde 3.10E-03 3.54E-07 PEN4 8 107028 Acrolein 1.44E-03 1.65E-07 PEN4 8 106990						
PEN3 7 50000 Formaldehyde 1.75E-02 1.99E-06 PEN3 7 110543 Hexane 1.77E-02 2.02E-06 PEN3 7 67561 Methanol 1.33E-03 1.51E-07 PEN3 7 78933 Methyl Ethyl Ketone 2.21E-04 2.52E-08 PEN3 7 91203 Naphthalene 5.53E-04 6.31E-08 PEN3 7 115071 Propylene 3.38E-02 3.86E-06 PEN3 7 100425 Styrene 1.33E-03 1.51E-07 PEN3 7 108883 Toluene 6.37E-02 7.27E-06 PEN3 7 1330207 Xylenes 5.31E-02 6.06E-06 PEN4 8 75070 Acetaldehyde 3.10E-03 3.54E-07 PEN4 8 107028 Acrolein 1.44E-03 1.65E-07 PEN4 8 71432 Benzene 2.74E-02 3.13E-06 PEN4 8 106990 1,		-		·		
PEN3 7 110543 Hexane 1.77E-02 2.02E-06 PEN3 7 67561 Methanol 1.33E-03 1.51E-07 PEN3 7 78933 Methyl Ethyl Ketone 2.21E-04 2.52E-08 PEN3 7 91203 Naphthalene 5.53E-04 6.31E-08 PEN3 7 115071 Propylene 3.38E-02 3.86E-06 PEN3 7 100425 Styrene 1.33E-03 1.51E-07 PEN3 7 108883 Toluene 6.37E-02 7.27E-06 PEN3 7 1330207 Xylenes 5.31E-02 6.06E-06 PEN4 8 75070 Acetaldehyde 3.10E-03 3.54E-07 PEN4 8 107028 Acrolein 1.44E-03 1.65E-07 PEN4 8 71432 Benzene 2.74E-02 3.13E-06 PEN4 8 106990 1,3-Butadiene 6.10E-03 6.96E-07 PEN4 8 50000 F						
PEN3 7 67561 Methanol 1.33E-03 1.51E-07 PEN3 7 78933 Methyl Ethyl Ketone 2.21E-04 2.52E-08 PEN3 7 91203 Naphthalene 5.53E-04 6.31E-08 PEN3 7 115071 Propylene 3.38E-02 3.86E-06 PEN3 7 100425 Styrene 1.33E-03 1.51E-07 PEN3 7 108883 Toluene 6.37E-02 7.27E-06 PEN3 7 1330207 Xylenes 5.31E-02 6.06E-06 PEN4 8 75070 Acetaldehyde 3.10E-03 3.54E-07 PEN4 8 107028 Acrolein 1.44E-03 1.65E-07 PEN4 8 71432 Benzene 2.74E-02 3.13E-06 PEN4 8 106990 1,3-Butadiene 6.10E-03 6.96E-07 PEN4 8 100414 Ethylbenzene 1.16E-02 1.33E-06 PEN4 8 50000 Formaldehyde 1.77E-02 2.00E-06 PEN4 8 67561 Methanol 1.33E-03 1.52E-07						
PEN3 7 78933 Methyl Ethyl Ketone 2.21E-04 2.52E-08 PEN3 7 91203 Naphthalene 5.53E-04 6.31E-08 PEN3 7 115071 Propylene 3.38E-02 3.86E-06 PEN3 7 100425 Styrene 1.33E-03 1.51E-07 PEN3 7 108883 Toluene 6.37E-02 7.27E-06 PEN3 7 1330207 Xylenes 5.31E-02 6.06E-06 PEN4 8 75070 Acetaldehyde 3.10E-03 3.54E-07 PEN4 8 107028 Acrolein 1.44E-03 1.65E-07 PEN4 8 71432 Benzene 2.74E-02 3.13E-06 PEN4 8 106990 1,3-Butadiene 6.10E-03 6.96E-07 PEN4 8 100414 Ethylbenzene 1.16E-02 1.33E-06 PEN4 8 50000 Formaldehyde 1.77E-02 2.02E-06 PEN4 8 67561						
PEN3 7 91203 Naphthalene 5.53E-04 6.31E-08 PEN3 7 115071 Propylene 3.38E-02 3.86E-06 PEN3 7 100425 Styrene 1.33E-03 1.51E-07 PEN3 7 108883 Toluene 6.37E-02 7.27E-06 PEN3 7 1330207 Xylenes 5.31E-02 6.06E-06 PEN4 8 75070 Acetaldehyde 3.10E-03 3.54E-07 PEN4 8 107028 Acrolein 1.44E-03 1.65E-07 PEN4 8 71432 Benzene 2.74E-02 3.13E-06 PEN4 8 106990 1,3-Butadiene 6.10E-03 6.96E-07 PEN4 8 100414 Ethylbenzene 1.16E-02 1.33E-06 PEN4 8 50000 Formaldehyde 1.77E-02 2.00E-06 PEN4 8 110543 Hexane 1.77E-02 2.02E-06 PEN4 8 67561 Met						
PEN3 7 115071 Propylene 3.38E-02 3.86E-06 PEN3 7 100425 Styrene 1.33E-03 1.51E-07 PEN3 7 108883 Toluene 6.37E-02 7.27E-06 PEN3 7 1330207 Xylenes 5.31E-02 6.06E-06 PEN4 8 75070 Acetaldehyde 3.10E-03 3.54E-07 PEN4 8 107028 Acrolein 1.44E-03 1.65E-07 PEN4 8 71432 Benzene 2.74E-02 3.13E-06 PEN4 8 106990 1,3-Butadiene 6.10E-03 6.96E-07 PEN4 8 100414 Ethylbenzene 1.16E-02 1.33E-06 PEN4 8 50000 Formaldehyde 1.75E-02 2.00E-06 PEN4 8 110543 Hexane 1.77E-02 2.02E-06 PEN4 8 67561 Methanol 1.33E-03 1.52E-07 PEN4 8 78933 Methyl		7				
PEN3 7 100425 Styrene 1.33E-03 1.51E-07 PEN3 7 108883 Toluene 6.37E-02 7.27E-06 PEN3 7 1330207 Xylenes 5.31E-02 6.06E-06 PEN4 8 75070 Acetaldehyde 3.10E-03 3.54E-07 PEN4 8 107028 Acrolein 1.44E-03 1.65E-07 PEN4 8 71432 Benzene 2.74E-02 3.13E-06 PEN4 8 106990 1,3-Butadiene 6.10E-03 6.96E-07 PEN4 8 100414 Ethylbenzene 1.16E-02 1.33E-06 PEN4 8 50000 Formaldehyde 1.75E-02 2.00E-06 PEN4 8 110543 Hexane 1.77E-02 2.02E-06 PEN4 8 67561 Methanol 1.33E-03 1.52E-07 PEN4 8 78933 Methyl Ethyl Ketone 2.22E-04 2.53E-08						3.86E-06
PEN3 7 108883 Toluene 6.37E-02 7.27E-06 PEN3 7 1330207 Xylenes 5.31E-02 6.06E-06 PEN4 8 75070 Acetaldehyde 3.10E-03 3.54E-07 PEN4 8 107028 Acrolein 1.44E-03 1.65E-07 PEN4 8 71432 Benzene 2.74E-02 3.13E-06 PEN4 8 106990 1,3-Butadiene 6.10E-03 6.96E-07 PEN4 8 100414 Ethylbenzene 1.16E-02 1.33E-06 PEN4 8 50000 Formaldehyde 1.75E-02 2.00E-06 PEN4 8 110543 Hexane 1.77E-02 2.02E-06 PEN4 8 67561 Methanol 1.33E-03 1.52E-07 PEN4 8 78933 Methyl Ethyl Ketone 2.22E-04 2.53E-08		7			-	
PEN3 7 1330207 Xylenes 5.31E-02 6.06E-06 PEN4 8 75070 Acetaldehyde 3.10E-03 3.54E-07 PEN4 8 107028 Acrolein 1.44E-03 1.65E-07 PEN4 8 71432 Benzene 2.74E-02 3.13E-06 PEN4 8 106990 1,3-Butadiene 6.10E-03 6.96E-07 PEN4 8 100414 Ethylbenzene 1.16E-02 1.33E-06 PEN4 8 50000 Formaldehyde 1.75E-02 2.00E-06 PEN4 8 110543 Hexane 1.77E-02 2.02E-06 PEN4 8 67561 Methanol 1.33E-03 1.52E-07 PEN4 8 78933 Methyl Ethyl Ketone 2.22E-04 2.53E-08	PEN3	7				7.27E-06
PEN4 8 107028 Acrolein 1.44E-03 1.65E-07 PEN4 8 71432 Benzene 2.74E-02 3.13E-06 PEN4 8 106990 1,3-Butadiene 6.10E-03 6.96E-07 PEN4 8 100414 Ethylbenzene 1.16E-02 1.33E-06 PEN4 8 50000 Formaldehyde 1.75E-02 2.00E-06 PEN4 8 110543 Hexane 1.77E-02 2.02E-06 PEN4 8 67561 Methanol 1.33E-03 1.52E-07 PEN4 8 78933 Methyl Ethyl Ketone 2.22E-04 2.53E-08	PEN3	7	1330207	Xylenes	5.31E-02	6.06E-06
PEN4 8 107028 Acrolein 1.44E-03 1.65E-07 PEN4 8 71432 Benzene 2.74E-02 3.13E-06 PEN4 8 106990 1,3-Butadiene 6.10E-03 6.96E-07 PEN4 8 100414 Ethylbenzene 1.16E-02 1.33E-06 PEN4 8 50000 Formaldehyde 1.75E-02 2.00E-06 PEN4 8 110543 Hexane 1.77E-02 2.02E-06 PEN4 8 67561 Methanol 1.33E-03 1.52E-07 PEN4 8 78933 Methyl Ethyl Ketone 2.22E-04 2.53E-08	PEN4	8	75070	Acetaldehyde	3.10E-03	3.54E-07
PEN4 8 106990 1,3-Butadiene 6.10E-03 6.96E-07 PEN4 8 100414 Ethylbenzene 1.16E-02 1.33E-06 PEN4 8 50000 Formaldehyde 1.75E-02 2.00E-06 PEN4 8 110543 Hexane 1.77E-02 2.02E-06 PEN4 8 67561 Methanol 1.33E-03 1.52E-07 PEN4 8 78933 Methyl Ethyl Ketone 2.22E-04 2.53E-08	PEN4	8	107028	Acrolein	1.44E-03	1.65E-07
PEN4 8 100414 Ethylbenzene 1.16E-02 1.33E-06 PEN4 8 50000 Formaldehyde 1.75E-02 2.00E-06 PEN4 8 110543 Hexane 1.77E-02 2.02E-06 PEN4 8 67561 Methanol 1.33E-03 1.52E-07 PEN4 8 78933 Methyl Ethyl Ketone 2.22E-04 2.53E-08	PEN4	8			2.74E-02	3.13E-06
PEN4 8 50000 Formaldehyde 1.75E-02 2.00E-06 PEN4 8 110543 Hexane 1.77E-02 2.02E-06 PEN4 8 67561 Methanol 1.33E-03 1.52E-07 PEN4 8 78933 Methyl Ethyl Ketone 2.22E-04 2.53E-08	PEN4	8	106990	1,3-Butadiene	6.10E-03	6.96E-07
PEN4 8 110543 Hexane 1.77E-02 2.02E-06 PEN4 8 67561 Methanol 1.33E-03 1.52E-07 PEN4 8 78933 Methyl Ethyl Ketone 2.22E-04 2.53E-08	PEN4	8	100414	Ethylbenzene	1.16E-02	1.33E-06
PEN4 8 67561 Methanol 1.33E-03 1.52E-07 PEN4 8 78933 Methyl Ethyl Ketone 2.22E-04 2.53E-08	PEN4	8	50000	Formaldehyde	1.75E-02	2.00E-06
PEN4 8 78933 Methyl Ethyl Ketone 2.22E-04 2.53E-08	PEN4	8	110543	Hexane	1.77E-02	2.02E-06
3 3						1.52E-07
PFN4 8 91203 Nanhthalene 5.54F.04 6.33F.08						2.53E-08
71200 1	PEN4	8	91203	Naphthalene	5.54E-04	6.33E-08

PEN4	8	115071	Propylene	3.39E-02	3.87E-06
PEN4	8	100425	Styrene	1.33E-03	1.52E-07
PEN4	8	108883	Toluene	6.39E-02	7.29E-06
PEN4	8	1330207	Xylenes	5.32E-02	6.07E-06
HY03	9		Acetaldehyde	6.08E-03	6.94E-07
HY03	9		Acrolein	2.82E-03	3.22E-07
HY03	9		Benzene	5.36E-02	6.12E-06
HY03	9		1,3-Butadiene	1.19E-02	1.36E-06
HY03	9		Ethylbenzene	2.28E-02	2.60E-06
HY03	9		Formaldehyde	3.43E-02	3.92E-06
HY03	9		Hexane	3.47E-02	3.97E-06
HY03	9		Methanol	2.61E-03	2.98E-07
HY03	9		Methyl Ethyl Ketone	4.34E-04	4.96E-08
HY03	9		Naphthalene	1.09E-03	1.24E-07
HY03	9		Propylene	6.65E-02	7.59E-06
HY03	9		Styrene	2.61E-03	2.98E-07
HY03	9		Toluene	1.25E-01	1.43E-05
HY03	9	1330207		1.04E-01	1.19E-05
HY04	10		Acetaldehyde	6.10E-03	6.96E-07
HY04	10		Acrolein	2.83E-03	3.23E-07
HY04	10		Benzene	5.38E-02	6.14E-06
HY04	10		1,3-Butadiene	1.20E-02	1.37E-06
HY04	10		Ethylbenzene	2.29E-02	2.61E-06
HY04	10		Formaldehyde	3.44E-02	3.93E-06
HY04	10		Hexane	3.48E-02	3.98E-06
HY04	10		Methanol	2.61E-03	2.98E-07
HY04	10		Methyl Ethyl Ketone	4.36E-04	4.97E-08
HY04	10		Naphthalene	1.09E-03	1.24E-07
HY04	10		Propylene	6.66E-02	7.61E-06
HY04	10	100425	Styrene	2.61E-03	2.98E-07
HY04	10		Toluene	1.25E-01	1.43E-05
HY04	10	1330207	Xylenes	1.05E-01	1.19E-05
HY05	11	75070	Acetaldehyde	5.43E-03	6.20E-07
HY05	11	107028	Acrolein	2.52E-03	2.88E-07
HY05	11	71432	Benzene	4.79E-02	5.47E-06
HY05	11	106990	1,3-Butadiene	1.07E-02	1.22E-06
HY05	11	100414	Ethylbenzene	2.04E-02	2.32E-06
HY05	11	50000	Formaldehyde	3.06E-02	3.50E-06
HY05	11	110543	Hexane	3.10E-02	3.54E-06
HY05	11	67561	Methanol	2.33E-03	2.66E-07
HY05	11	78933	Methyl Ethyl Ketone	3.88E-04	4.43E-08
HY05	11	91203	Naphthalene	9.70E-04	1.11E-07
HY05	11	115071	Propylene	5.93E-02	6.77E-06
HY05	11	100425	Styrene	2.33E-03	2.66E-07
HY05	11	108883	Toluene	1.12E-01	1.28E-05
HY05	11	1330207		9.31E-02	1.06E-05
HY06	12	75070	Acetaldehyde	5.45E-03	6.22E-07
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HY06	12	107028	Acrolein	2.53E-03	2.89E-07
HY06	12		Benzene	4.81E-02	
HY06	12		1,3-Butadiene	1.07E-02	1.22E-06
HY06	12		Ethylbenzene	2.04E-02	2.33E-06
HY06	12		Formaldehyde	3.07E-02	3.51E-06
HY06	12		Hexane	3.11E-02	3.55E-06
HY06	12		Methanol	2.33E-03	
HY06	12		Methyl Ethyl Ketone	3.89E-04	4.44E-08
HY06	12		Naphthalene	9.73E-04	1.11E-07
HY06	12		Propylene	5.95E-02	6.80E-06
HY06	12		Styrene	2.33E-03	2.67E-07
HY06	12		Toluene	1.12E-01	1.28E-05
HY06	12	1330207	Xylenes	9.34E-02	1.07E-05
PEN5	13	75070	Acetaldehyde	3.53E-03	4.03E-07
PEN5	13	107028	Acrolein	1.64E-03	1.87E-07
PEN5	13	71432	Benzene	3.11E-02	3.55E-06
PEN5	13	106990	1,3-Butadiene	6.93E-03	7.91E-07
PEN5	13		Ethylbenzene	1.32E-02	1.51E-06
PEN5	13		Formaldehyde	1.99E-02	2.27E-06
PEN5	13	110543	Hexane	2.01E-02	2.30E-06
PEN5	13		Methanol	1.51E-03	1.73E-07
PEN5	13	78933	Methyl Ethyl Ketone	2.52E-04	2.88E-08
PEN5	13		Naphthalene	6.30E-04	7.19E-08
PEN5	13		Propylene	3.85E-02	4.40E-06
PEN5	13		Styrene	1.51E-03	1.73E-07
PEN5	13		Toluene	7.25E-02	8.28E-06
PEN5	13	1330207		6.04E-02	6.90E-06
PEN6	14		Acetaldehyde	3.54E-03	4.04E-07
PEN6	14		Acrolein	1.64E-03	1.87E-07
PEN6	14		Benzene	3.12E-02	3.56E-06
PEN6	14		1,3-Butadiene	6.95E-03	
PEN6	14		Ethylbenzene	1.33E-02	
PEN6	14		Formaldehyde	2.00E-02	2.28E-06
PEN6	14		Hexane	2.02E-02	2.31E-06
PEN6	14		Methanol	1.52E-03	1.73E-07
PEN6	14		Methyl Ethyl Ketone	2.53E-04	2.88E-08
PEN6	14		Naphthalene	6.32E-04	7.21E-08
PEN6	14		Propylene	3.87E-02	4.41E-06
PEN6	14		Styrene	1.52E-03	
PEN6	14		Toluene	7.28E-02	8.31E-06
PEN6	14	1330207	Xylenes	6.06E-02	6.92E-06

HARP2 Emission Inputs (Unmitigated - Alternative 2)

HARF2 EIIIISSIOITII		rigatod 7	2)	20	25
SRC ID	SRC No.	CAS	Pollutant	lb/yr	lb/hr
CONST_PHASE1	2	9901	DieselExhPM	0.00E+00	0.00E+00
PEN1	4	9901	DieselExhPM	5.99E-02	0.00E+00
COR2	5	9901	DieselExhPM	7.61E-02	0.00E+00
PEN2	6	9901	DieselExhPM	3.70E-02	0.00E+00
PEN3	7	9901	DieselExhPM	3.10E-02	0.00E+00
PEN4	8	9901	DieselExhPM	3.11E-02	0.00E+00
HY03	9	9901	DieselExhPM	6.10E-02	0.00E+00
HY04	10	9901	DieselExhPM	6.12E-02	0.00E+00
HY05	11	9901	DieselExhPM	5.45E-02	0.00E+00
HY06	12	9901	DieselExhPM	5.46E-02	0.00E+00
PEN5	13	9901	DieselExhPM	3.54E-02	0.00E+00
PEN6	14	9901	DieselExhPM	3.55E-02	0.00E+00
PEN1_TRK	15		DieselExhPM	6.76E-02	
COR2_TRK	16		DieselExhPM	8.58E-02	
PEN2_TRK	17	9901	DieselExhPM	4.17E-02	0.00E+00
PEN3_TRK	18	9901	DieselExhPM	3.50E-02	0.00E+00
PEN4_TRK	19	9901	DieselExhPM	3.51E-02	
HY03_TRK	20		DieselExhPM	6.88E-02	
HY04_TRK	21	9901	DieselExhPM	6.90E-02	0.00E+00
HY05_TRK	22	9901	DieselExhPM	6.14E-02	0.00E+00
HY06_TRK	23	9901	DieselExhPM	6.16E-02	0.00E+00
PEN5_TRK	24	9901	DieselExhPM	3.99E-02	0.00E+00
PEN6_TRK	25	9901	DieselExhPM	4.00E-02	0.00E+00
PEN1	4	75070	Acetaldehyde	3.48E-03	3.97E-07
PEN1	4	107028	Acrolein	1.61E-03	1.84E-07
PEN1	4	71432	Benzene	3.07E-02	3.50E-06
PEN1	4	106990	1,3-Butadiene	6.83E-03	7.80E-07
PEN1	4	100414	Ethylbenzene	1.30E-02	1.49E-06
PEN1	4	50000	Formaldehyde	1.96E-02	2.24E-06
PEN1	4		Hexane	1.99E-02	2.27E-06
PEN1	4	67561	Methanol	1.49E-03	1.70E-07
PEN1	4	78933	Methyl Ethyl Ketone	2.48E-04	2.84E-08
PEN1	4		Naphthalene	6.21E-04	7.09E-08
PEN1	4	115071	Propylene	3.80E-02	4.34E-06
PEN1	4	100425	Styrene	1.49E-03	1.70E-07
PEN1	4	108883	Toluene	7.15E-02	8.17E-06
PEN1	4	1330207	Xylenes	5.96E-02	6.80E-06
COR2	5	75070	Acetaldehyde	4.42E-03	5.04E-07
COR2	5	107028	Acrolein	2.05E-03	2.34E-07
COR2	5	71432	Benzene	3.90E-02	4.45E-06
COR2	5	106990	1,3-Butadiene	8.68E-03	9.90E-07
COR2	5	100414	Ethylbenzene	1.66E-02	1.89E-06
COR2	5	50000	Formaldehyde	2.49E-02	2.84E-06
COR2	5	110543	Hexane	2.52E-02	2.88E-06

COR2	5	67561	Methanol	1.89E-03	2.16E-07
COR2	5	78933	Methyl Ethyl Ketone	3.15E-04	3.60E-08
COR2	5		Naphthalene	7.89E-04	9.00E-08
COR2	5		Propylene	4.83E-02	5.51E-06
COR2	5		Styrene	1.89E-03	2.16E-07
COR2	5		Toluene	9.09E-02	1.04E-05
COR2	5	1330207		7.57E-02	8.64E-06
PEN2	6		Acetaldehyde	2.15E-03	2.45E-07
PEN2	6		Acrolein	9.97E-04	1.14E-07
PEN2	6		Benzene	1.89E-02	2.16E-06
PEN2	6		1,3-Butadiene	4.22E-03	4.82E-07
PEN2	6		Ethylbenzene	8.05E-03	9.19E-07
PEN2	6		Formaldehyde	1.21E-02	1.38E-06
PEN2	6		Hexane	1.21E 02	1.40E-06
PEN2	6		Methanol	9.20E-04	1.46E 00
PEN2	6		Methyl Ethyl Ketone	1.53E-04	1.75E-08
PEN2	6		Naphthalene	3.83E-04	4.38E-08
PEN2	6		Propylene	2.35E-02	2.68E-06
PEN2	6		Styrene	9.20E-04	1.05E-07
PEN2	6		Toluene	4.42E-02	5.04E-06
PEN2	6	1330207		3.68E-02	4.20E-06
PEN3	7		Acetaldehyde	1.80E-03	2.06E-07
PEN3	7		Acrolein	8.36E-04	9.54E-08
PEN3	7		Benzene	1.59E-02	1.81E-06
PEN3	7		1,3-Butadiene	3.54E-03	4.04E-07
PEN3	7		Ethylbenzene	6.75E-03	7.71E-07
PEN3	7		Formaldehyde	1.02E-02	1.16E-06
PEN3	7		Hexane	1.02L-02 1.03E-02	1.17E-06
PEN3	7		Methanol	7.72E-04	8.81E-08
PEN3	7		Methyl Ethyl Ketone	1.29E-04	1.47E-08
PEN3	7		Naphthalene	3.22E-04	
PEN3	7		Propylene	1.97E-02	
PEN3	7		Styrene	7.72E-04	8.81E-08
PEN3	7		Toluene	3.70E-02	4.23E-06
PEN3	7	1330207		3.70E-02 3.09E-02	3.52E-06
PEN4	8		Acetaldehyde	1.81E-03	2.06E-07
PEN4	8		Acrolein	8.39E-04	9.57E-08
PEN4	8		Benzene	1.59E-02	1.82E-06
PEN4	8		1,3-Butadiene	3.55E-03	4.05E-07
PEN4	8		Ethylbenzene	6.77E-03	7.73E-07
PEN4	8		Formaldehyde	1.02E-02	1.16E-06
PEN4	8		Hexane	1.02E-02 1.03E-02	1.18E-06
PEN4	8		Methanol	7.74E-04	
PEN4	8				8.84E-08
PEN4	8		Methyl Ethyl Ketone	1.29E-04	1.47E-08
PEN4	8		Naphthalene Propylene	3.23E-04	3.68E-08
PEN4	8		Styrene	1.97E-02 7.74E-04	2.25E-06 8.84E-08
PEN4	8	100425	or Ar Gring	7.74E-U4	0.04E-UŎ

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PEN4	8		Toluene	3.72E-02	4.24E-06
PEN4	8	1330207	,	3.10E-02	3.53E-06
HY03	9		Acetaldehyde	3.54E-03	4.04E-07
HY03	9	107028	Acrolein	1.64E-03	1.88E-07
HY03	9	71432	Benzene	3.12E-02	3.56E-06
HY03	9	106990	1,3-Butadiene	6.95E-03	7.93E-07
HY03	9	100414	Ethylbenzene	1.33E-02	1.51E-06
HY03	9	50000	Formaldehyde	2.00E-02	2.28E-06
HY03	9	110543	Hexane	2.02E-02	2.31E-06
HY03	9	67561	Methanol	1.52E-03	1.73E-07
HY03	9	78933	Methyl Ethyl Ketone	2.53E-04	2.88E-08
HY03	9		Naphthalene	6.32E-04	7.21E-08
HY03	9	115071	Propylene	3.87E-02	4.41E-06
HY03	9	100425	Styrene	1.52E-03	1.73E-07
HY03	9	108883	Toluene	7.28E-02	8.31E-06
HY03	9	1330207	Xylenes	6.06E-02	6.92E-06
HY04	10	75070	Acetaldehyde	3.55E-03	4.05E-07
HY04	10	107028	Acrolein	1.65E-03	1.88E-07
HY04	10	71432	Benzene	3.13E-02	3.57E-06
HY04	10	106990	1,3-Butadiene	6.97E-03	7.96E-07
HY04	10		Ethylbenzene	1.33E-02	1.52E-06
HY04	10		Formaldehyde	2.00E-02	2.29E-06
HY04	10	110543	Hexane	2.03E-02	2.31E-06
HY04	10	67561	Methanol	1.52E-03	1.74E-07
HY04	10	78933	Methyl Ethyl Ketone	2.53E-04	2.89E-08
HY04	10	91203	Naphthalene	6.34E-04	7.23E-08
HY04	10		Propylene	3.88E-02	4.43E-06
HY04	10	100425	Styrene	1.52E-03	1.74E-07
HY04	10	108883	Toluene	7.30E-02	8.33E-06
HY04	10	1330207	Xylenes	6.08E-02	6.94E-06
HY05	11	75070	Acetaldehyde	3.16E-03	3.61E-07
HY05	11	107028	Acrolein	1.47E-03	
HY05	11	71432	Benzene	2.79E-02	3.18E-06
HY05	11	106990	1,3-Butadiene	6.21E-03	7.08E-07
HY05	11	100414	Ethylbenzene	1.18E-02	1.35E-06
HY05	11	50000	Formaldehyde	1.78E-02	2.04E-06
HY05	11		Hexane	1.81E-02	2.06E-06
HY05	11	67561	Methanol	1.35E-03	1.55E-07
HY05	11	78933	Methyl Ethyl Ketone	2.26E-04	2.58E-08
HY05	11	91203	Naphthalene	5.64E-04	6.44E-08
HY05	11	115071	Propylene	3.45E-02	3.94E-06
HY05	11	100425	Styrene	1.35E-03	1.55E-07
HY05	11	108883	Toluene	6.50E-02	7.42E-06
HY05	11	1330207	Xylenes	5.42E-02	6.18E-06
HY06	12	75070	Acetaldehyde	3.17E-03	3.62E-07
HY06	12	107028	Acrolein	1.47E-03	1.68E-07
HY06	12	71432	Benzene	2.80E-02	3.19E-06
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HY06	12	106990	1,3-Butadiene	6.23E-03	7.11E-07
HY06	12		Ethylbenzene	1.19E-02	1.36E-06
HY06	12		Formaldehyde	1.79E-02	2.04E-06
HY06	12		Hexane	1.81E-02	2.07E-06
HY06	12		Methanol	1.36E-03	1.55E-07
HY06	12		Methyl Ethyl Ketone	2.26E-04	2.58E-08
HY06	12		Naphthalene	5.66E-04	6.46E-08
HY06	12	115071	Propylene	3.46E-02	3.95E-06
HY06	12	100425	Styrene	1.36E-03	1.55E-07
HY06	12		Toluene	6.52E-02	7.44E-06
HY06	12	1330207	Xylenes	5.43E-02	6.20E-06
PEN5	13	75070	Acetaldehyde	2.05E-03	2.34E-07
PEN5	13	107028	Acrolein	9.52E-04	1.09E-07
PEN5	13	71432	Benzene	1.81E-02	2.07E-06
PEN5	13	106990	1,3-Butadiene	4.03E-03	4.60E-07
PEN5	13	100414	Ethylbenzene	7.69E-03	8.78E-07
PEN5	13	50000	Formaldehyde	1.16E-02	1.32E-06
PEN5	13	110543	Hexane	1.17E-02	1.34E-06
PEN5	13	67561	Methanol	8.79E-04	1.00E-07
PEN5	13	78933	Methyl Ethyl Ketone	1.47E-04	1.67E-08
PEN5	13		Naphthalene	3.66E-04	4.18E-08
PEN5	13	115071	Propylene	2.24E-02	2.56E-06
PEN5	13	100425	Styrene	8.79E-04	1.00E-07
PEN5	13	108883	Toluene	4.22E-02	4.82E-06
PEN5	13	1330207	Xylenes	3.52E-02	4.01E-06
PEN6	14		Acetaldehyde	2.06E-03	2.35E-07
PEN6	14		Acrolein	9.56E-04	1.09E-07
PEN6	14		Benzene	1.82E-02	2.07E-06
PEN6	14		1,3-Butadiene	4.04E-03	4.61E-07
PEN6	14		Ethylbenzene	7.72E-03	8.81E-07
PEN6	14		Formaldehyde	1.16E-02	1.33E-06
PEN6	14		Hexane	1.18E-02	1.34E-06
PEN6	14		Methanol	8.82E-04	1.01E-07
PEN6	14		Methyl Ethyl Ketone	1.47E-04	1.68E-08
PEN6	14		Naphthalene	3.68E-04	4.20E-08
PEN6	14		Propylene	2.25E-02	2.57E-06
PEN6	14		Styrene	8.82E-04	1.01E-07
PEN6	14		Toluene	4.23E-02	4.83E-06
PEN6	14	1330207	Xylenes	3.53E-02	4.03E-06

HARP2 Emission Inputs (Unmitigated - Alternative 2)

HARFZ EITHSSIOITHI		ilgaroa 711	2)	2026	
SRC ID	SRC No.	CAS	Pollutant	lb/yr	lb/hr
CONST_PHASE2	1	9901	DieselExhPM	3.20E+01	0.00E+00
PEN1	2	9901	DieselExhPM	6.03E-02	0.00E+00
COR2	3	9901	DieselExhPM	7.66E-02	0.00E+00
PEN2	4	9901	DieselExhPM	3.72E-02	0.00E+00
PEN3	5	9901	DieselExhPM	3.12E-02	0.00E+00
PEN4	6	9901	DieselExhPM	3.13E-02	0.00E+00
HY03	7	9901	DieselExhPM	6.13E-02	0.00E+00
HY04	8	9901	DieselExhPM	6.15E-02	0.00E+00
HY05	9	9901	DieselExhPM	5.48E-02	0.00E+00
HY06	10	9901	DieselExhPM	5.49E-02	0.00E+00
PEN5	11	9901	DieselExhPM	3.56E-02	0.00E+00
PEN6	12	9901	DieselExhPM	3.57E-02	0.00E+00
PEN1_TRK	13	9901	DieselExhPM	5.85E-02	0.00E+00
COR2_TRK	14	9901	DieselExhPM	7.43E-02	0.00E+00
PEN2_TRK	15	9901	DieselExhPM	3.61E-02	0.00E+00
PEN3_TRK	16	9901	DieselExhPM	3.03E-02	0.00E+00
PEN4_TRK	17	9901	DieselExhPM	3.04E-02	0.00E+00
HY03_TRK	18	9901	DieselExhPM	5.95E-02	0.00E+00
HY04_TRK	19	9901	DieselExhPM	5.97E-02	0.00E+00
HY05_TRK	20	9901	DieselExhPM	5.31E-02	0.00E+00
HY06_TRK	21	9901	DieselExhPM	5.33E-02	0.00E+00
PEN5_TRK	22	9901	DieselExhPM	3.45E-02	0.00E+00
PEN6_TRK	23	9901	DieselExhPM	3.46E-02	0.00E+00
PEN1	2	75070	Acetaldehyde	2.81E-03	3.21E-07
PEN1	2	107028	Acrolein	1.30E-03	1.49E-07
PEN1	2	71432	Benzene	2.48E-02	2.83E-06
PEN1	2	106990	1,3-Butadiene	5.52E-03	6.30E-07
PEN1	2		Ethylbenzene	1.05E-02	1.20E-06
PEN1	2	50000	Formaldehyde	1.59E-02	1.81E-06
PEN1	2		Hexane	1.61E-02	1.83E-06
PEN1	2		Methanol	1.20E-03	1.37E-07
PEN1	2	78933	Methyl Ethyl Ketone	2.01E-04	2.29E-08
PEN1	2	91203	Naphthalene	5.02E-04	5.73E-08
PEN1	2	115071	Propylene	3.07E-02	3.51E-06
PEN1	2	100425	Styrene	1.20E-03	1.37E-07
PEN1	2	108883	Toluene	5.78E-02	6.60E-06
PEN1	2	1330207	,	4.82E-02	5.50E-06
COR2	3	75070	Acetaldehyde	3.57E-03	4.07E-07
COR2	3	107028	Acrolein	1.66E-03	1.89E-07
COR2	3		Benzene	3.15E-02	3.59E-06
COR2	3		1,3-Butadiene	7.01E-03	8.00E-07
COR2	3		Ethylbenzene	1.34E-02	1.53E-06
COR2	3		Formaldehyde	2.01E-02	2.30E-06
COR2	3	110543	Hexane	2.04E-02	2.33E-06

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COR2	3		Methanol	1.53E-03	1.75E-07
COR2	3		Methyl Ethyl Ketone	2.55E-04	2.91E-08
COR2	3		Naphthalene	6.37E-04	7.28E-08
COR2	3		Propylene	3.90E-02	4.45E-06
COR2	3		Styrene	1.53E-03	1.75E-07
COR2	3		Toluene	7.34E-02	8.38E-06
COR2	3	1330207	Xylenes	6.12E-02	6.98E-06
PEN2	4	75070	Acetaldehyde	1.74E-03	1.98E-07
PEN2	4	107028	Acrolein	8.06E-04	9.20E-08
PEN2	4	71432	Benzene	1.53E-02	1.75E-06
PEN2	4	106990	1,3-Butadiene	3.41E-03	3.89E-07
PEN2	4	100414	Ethylbenzene	6.51E-03	7.43E-07
PEN2	4		Formaldehyde	9.79E-03	1.12E-06
PEN2	4	110543	Hexane	9.92E-03	1.13E-06
PEN2	4	67561	Methanol	7.44E-04	8.49E-08
PEN2	4	78933	Methyl Ethyl Ketone	1.24E-04	1.41E-08
PEN2	4		Naphthalene	3.10E-04	3.54E-08
PEN2	4	115071	Propylene	1.90E-02	2.16E-06
PEN2	4		Styrene	7.44E-04	8.49E-08
PEN2	4	108883	Toluene	3.57E-02	4.07E-06
PEN2	4	1330207	Xylenes	2.97E-02	3.40E-06
PEN3	5		Acetaldehyde	1.46E-03	1.66E-07
PEN3	5		Acrolein	6.76E-04	7.71E-08
PEN3	5	71432	Benzene	1.28E-02	1.47E-06
PEN3	5	106990	1,3-Butadiene	2.86E-03	3.26E-07
PEN3	5		Ethylbenzene	5.46E-03	6.23E-07
PEN3	5		Formaldehyde	8.21E-03	9.37E-07
PEN3	5		Hexane	8.31E-03	9.49E-07
PEN3	5	67561	Methanol	6.24E-04	7.12E-08
PEN3	5	78933	Methyl Ethyl Ketone	1.04E-04	1.19E-08
PEN3	5		Naphthalene	2.60E-04	2.97E-08
PEN3	5		Propylene	1.59E-02	1.82E-06
PEN3	5		Styrene	6.24E-04	7.12E-08
PEN3	5	108883	Toluene	2.99E-02	3.42E-06
PEN3	5	1330207		2.49E-02	2.85E-06
PEN4	6		Acetaldehyde	1.46E-03	1.67E-07
PEN4	6		Acrolein	6.78E-04	7.74E-08
PEN4	6		Benzene	1.29E-02	1.47E-06
PEN4	6	106990	1,3-Butadiene	2.87E-03	3.27E-07
PEN4	6	100414	Ethylbenzene	5.47E-03	6.25E-07
PEN4	6		Formaldehyde	8.24E-03	9.40E-07
PEN4	6		Hexane	8.34E-03	9.52E-07
PEN4	6		Methanol	6.25E-04	7.14E-08
PEN4	6		Methyl Ethyl Ketone	1.04E-04	1.19E-08
PEN4	6		Naphthalene	2.61E-04	2.98E-08
PEN4	6		Propylene	1.59E-02	1.82E-06
PEN4	6		Styrene	6.25E-04	7.14E-08
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HY03						
HY03		6		•		
HY03		7				
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HY03		7				
HY03		7			5.62E-03	6.41E-07
HY03	HY03	7			1.07E-02	1.22E-06
HY03		7				1.84E-06
HY03 7 78933 Methyl Ethyl Ketone 2.04E-04 2.33E-08 HY03 7 91203 Naphthalene 5.11E-04 5.83E-08 HY03 7 115071 Propylene 3.12E-02 3.57E-06 HY03 7 100425 Styrene 1.23E-03 1.40E-07 HY03 7 108883 Toluene 5.88E-02 6.71E-06 HY03 7 1330207 Xylenes 4.90E-02 5.59E-06 HY04 8 75070 Acetaldehyde 2.87E-03 3.27E-07 HY04 8 107028 Acrolein 1.33E-03 1.52E-07 HY04 8 107432 Benzene 2.53E-02 2.89E-06 HY04 8 104990 1.3-Butadiene 5.63E-03 6.43E-07 HY04 8 100414 Ethylbenzene 1.08E-02 1.23E-03 HY04 8 50000 Formaldehyde 1.62E-02 1.85E-06 HY04 8 10543	HY03	7	110543	Hexane	1.63E-02	1.86E-06
HY03 7 91203 Naphthalene 5.11E-04 5.83E-08 HY03 7 115071 Propylene 3.12E-02 3.57E-06 HY03 7 100425 Styrene 1.23E-03 1.40E-07 HY03 7 108883 Toluene 5.88E-02 6.71E-06 HY04 8 75070 Acetaldehyde 2.87E-03 3.27E-07 HY04 8 107028 Acrolein 1.33E-03 1.52E-07 HY04 8 107028 Acrolein 1.33E-03 1.52E-07 HY04 8 107028 Benzene 2.53E-02 2.89E-06 HY04 8 106990 1,3-Butadiene 5.63E-03 6.43E-02 HY04 8 100414 Ethylbenzene 1.08E-02 1.87E-06 HY04 8 50000 Formaldehyde 1.62E-02 1.87E-06 HY04 8 10543 Hexane 1.64E-02 1.87E-06 HY04 8 78933 Met	HY03	7	67561	Methanol	1.23E-03	1.40E-07
HY03 7 115071 Propylene 3.12E-02 3.57E-06 HY03 7 100425 Styrene 1.23E-03 1.40E-07 HY03 7 108883 Toluene 5.88E-02 6.71E-06 HY04 8 75070 Acctaldehyde 2.87E-03 3.27E-07 HY04 8 107028 Acrolein 1.33E-03 1.52E-07 HY04 8 106990 1,3-Butadiene 2.53E-02 2.89E-06 HY04 8 106990 1,3-Butadiene 5.63E-03 6.43E-07 HY04 8 100491 Ethylbenzene 1.08E-02 1.23E-03 HY04 8 100412 Ethylbenzene 1.62E-02 1.87E-06 HY04 8 105043 Hexane 1.64E-02 1.87E-06 HY04 8 175543 Hexane 1.64E-02 1.87E-06 HY04 8 77561 Methanol 1.23E-03 1.40E-07 HY04 8 78933	HY03	7	78933	Methyl Ethyl Ketone		2.33E-08
HY03 7 100425 Styrene 1.23E-03 1.40E-07 HY03 7 108883 Toluene 5.88E-02 6.71E-06 HY03 7 1330207 Xylenes 4.90E-02 5.59E-06 HY04 8 75070 Acetaldehyde 2.87E-03 3.27E-07 HY04 8 107028 Acrolein 1.33E-03 1.52E-07 HY04 8 107028 Acrolein 1.33E-03 1.52E-07 HY04 8 106990 1,3-Butadiene 5.63E-03 6.43E-07 HY04 8 106990 1,3-Butadiene 5.63E-03 6.43E-07 HY04 8 100414 Ethylbenzene 1.08E-02 1.23E-06 HY04 8 50000 Formaldehyde 1.62E-02 1.85E-06 HY04 8 10543 Hexane 1.64E-02 1.87E-06 HY04 8 75933 Methyl Ethyl Ketone 2.05E-04 2.34E-08 HY04 8 71203	HY03	7	91203	Naphthalene	5.11E-04	5.83E-08
HY03 7 108883 Toluene 5.88E-02 6.71E-06 HY03 7 1330207 Xylenes 4.90E-02 5.59E-06 HY04 8 75070 Acetaldehyde 2.87E-03 3.27E-07 HY04 8 107028 Acrolein 1.33E-03 1.52E-07 HY04 8 71432 Benzene 2.53E-02 2.89E-06 HY04 8 106990 1,3-Butadiene 5.63E-03 6.43E-07 HY04 8 106990 1,3-Butadiene 1.08E-02 1.23E-06 HY04 8 100414 Ethylbenzene 1.08E-02 1.23E-06 HY04 8 50000 Formaldehyde 1.62E-02 1.85E-06 HY04 8 110543 Hexane 1.64E-02 1.87E-06 HY04 8 75511 Methanol 1.23E-03 1.40E-07 HY04 8 78933 Methyl Ethyl Ketone 2.05E-04 2.34E-08 HY04 8 115071	HY03	7	115071	Propylene	3.12E-02	3.57E-06
HY03 7 1330207 Xylenes 4.90E-02 5.59E-06 HY04 8 75070 Acetaldehyde 2.87E-03 3.27E-07 HY04 8 107028 Acrolein 1.33E-03 1.52E-07 HY04 8 71432 Benzene 2.53E-02 2.89E-06 HY04 8 106990 1,3-Butadiene 5.63E-03 6.43E-07 HY04 8 100414 Ethylbenzene 1.08E-02 1.23E-06 HY04 8 50000 Formaldehyde 1.62E-02 1.85E-06 HY04 8 50000 Formaldehyde 1.62E-02 1.87E-06 HY04 8 67561 Methanol 1.23E-03 1.40E-07 HY04 8 78933 Methyl Ethyl Ketone 2.05E-04 2.34E-08 HY04 8 78933 Methyl Ethyl Ketone 2.05E-04 2.34E-08 HY04 8 115071 Propylene 3.13E-02 3.5E-06 HY04 8 100	HY03	7	100425	Styrene	1.23E-03	1.40E-07
HY04 8 75070 Acetaldehyde 2.87E-03 3.27E-07 HY04 8 107028 Acrolein 1.33E-03 1.52E-07 HY04 8 71432 Benzene 2.53E-02 2.89E-06 HY04 8 106990 1,3-Butadiene 5.63E-03 6.43E-07 HY04 8 100414 Ethylbenzene 1.08E-02 1.23E-06 HY04 8 50000 Formaldehyde 1.62E-02 1.85E-06 HY04 8 110543 Hexane 1.64E-02 1.87E-06 HY04 8 67561 Methanol 1.23E-03 1.40E-07 HY04 8 78933 Methyl Ethyl Ketone 2.05E-04 2.34E-08 HY04 8 91203 Naphthalene 5.12E-04 5.84E-08 HY04 8 115071 Propylene 3.13E-02 3.58E-06 HY04 8 10425 Styrene 1.23E-03 1.40E-07 HY04 8 103823	HY03	7	108883	Toluene	5.88E-02	6.71E-06
HY04 8 75070 Acetaldehyde 2.87E-03 3.27E-07 HY04 8 107028 Acrolein 1.33E-03 1.52E-07 HY04 8 71432 Benzene 2.53E-02 2.89E-06 HY04 8 106990 1,3-Butadiene 5.63E-03 6.43E-07 HY04 8 100414 Ethylbenzene 1.08E-02 1.23E-06 HY04 8 50000 Formaldehyde 1.62E-02 1.85E-06 HY04 8 110543 Hexane 1.64E-02 1.87E-06 HY04 8 67561 Methanol 1.23E-03 1.40E-07 HY04 8 78933 Methyl Ethyl Ketone 2.05E-04 2.34E-08 HY04 8 91203 Naphthalene 5.12E-04 5.84E-08 HY04 8 115071 Propylene 3.13E-02 3.58E-06 HY04 8 10425 Styrene 1.23E-03 1.40E-07 HY04 8 103823	HY03	7	1330207	Xylenes	4.90E-02	5.59E-06
HY04 8 107028 Acrolein 1.33E-03 1.52E-07 HY04 8 71432 Benzene 2.53E-02 2.89E-06 HY04 8 106990 1,3-Butadiene 5.63E-03 6.43E-07 HY04 8 100414 Ethylbenzene 1.08E-02 1.23E-06 HY04 8 50000 Formaldehyde 1.62E-02 1.87E-06 HY04 8 110543 Hexane 1.64E-02 1.87E-06 HY04 8 67561 Methanol 1.23E-03 1.40E-07 HY04 8 78933 Methyl Ethyl Ketone 2.05E-04 2.34E-08 HY04 8 91203 Naphthalene 5.12E-04 5.84E-08 HY04 8 115071 Propylene 3.13E-02 3.58E-06 HY04 8 100425 Styrene 1.23E-03 1.40E-07 HY04 8 108883 Toluene 5.90E-02 6.73E-06 HY04 8 1330207 Xylenes 4.91E-02 5.61E-06 HY05 9 75070 Acetaldehyde 2.55E-03 2.91E-07	HY04	8	75070	Acetaldehyde	2.87E-03	3.27E-07
HY04 8 106990 1,3-Butadiene 5.63E-03 6.43E-07 HY04 8 100414 Ethylbenzene 1.08E-02 1.23E-06 HY04 8 50000 Formaldehyde 1.62E-02 1.85E-06 HY04 8 110543 Hexane 1.64E-02 1.87E-06 HY04 8 67561 Methanol 1.23E-03 1.40E-07 HY04 8 78933 Methyl Ethyl Ketone 2.05E-04 2.34E-08 HY04 8 91203 Naphthalene 5.12E-04 5.84E-08 HY04 8 91203 Naphthalene 5.12E-04 5.84E-08 HY04 8 115071 Propylene 3.13E-02 3.58E-06 HY04 8 100425 Styrene 1.23E-03 1.40E-07 HY04 8 108883 Toluene 5.90E-02 6.73E-06 HY04 8 1330207 Xylenes 4.91E-02 5.61E-06 HY05 9 75070	HY04	8	107028	Acrolein	1.33E-03	1.52E-07
HY04 8 100414 Ethylbenzene 1.08E-02 1.23E-06 HY04 8 50000 Formaldehyde 1.62E-02 1.85E-06 HY04 8 110543 Hexane 1.64E-02 1.87E-06 HY04 8 67561 Methanol 1.23E-03 1.40E-07 HY04 8 78933 Methyl Ethyl Ketone 2.05E-04 2.34E-08 HY04 8 91203 Naphthalene 5.12E-04 5.84E-08 HY04 8 115071 Propylene 3.13E-02 3.58E-06 HY04 8 100425 Styrene 1.23E-03 1.40E-07 HY04 8 108883 Toluene 5.90E-02 6.73E-06 HY04 8 1330207 Xylenes 4.91E-02 5.61E-06 HY05 9 75070 Acetaldehyde 2.55E-03 2.91E-07 HY05 9 17028 Acrolein 1.19E-03 1.35E-07 HY05 9 106990 <	HY04	8	71432	Benzene	2.53E-02	2.89E-06
HY04 8 100414 Ethylbenzene 1.08E-02 1.23E-06 HY04 8 50000 Formaldehyde 1.62E-02 1.85E-06 HY04 8 110543 Hexane 1.64E-02 1.87E-06 HY04 8 67561 Methanol 1.23E-03 1.40E-07 HY04 8 78933 Methyl Ethyl Ketone 2.05E-04 2.34E-08 HY04 8 91203 Naphthalene 5.12E-04 5.84E-08 HY04 8 115071 Propylene 3.13E-02 3.58E-06 HY04 8 100425 Styrene 1.23E-03 1.40E-07 HY04 8 108883 Toluene 5.90E-02 6.73E-06 HY04 8 1330207 Xylenes 4.91E-02 5.61E-06 HY05 9 75070 Acetaldehyde 2.55E-03 2.91E-07 HY05 9 17028 Acrolein 1.19E-03 1.35E-07 HY05 9 106990 <	HY04	8	106990	1,3-Butadiene	5.63E-03	6.43E-07
HY04 8 50000 Formaldehyde 1.62E-02 1.85E-06 HY04 8 110543 Hexane 1.64E-02 1.87E-06 HY04 8 67561 Methanol 1.23E-03 1.40E-07 HY04 8 78933 Methyl Ethyl Ketone 2.05E-04 2.34E-08 HY04 8 91203 Naphthalene 5.12E-04 5.84E-08 HY04 8 115071 Propylene 3.13E-02 3.58E-06 HY04 8 100425 Styrene 1.23E-03 1.40E-07 HY04 8 108883 Toluene 5.90E-02 6.73E-06 HY04 8 1330207 Xylenes 4.91E-02 5.61E-06 HY05 9 75070 Acetaldehyde 2.55E-03 2.91E-07 HY05 9 77072 Acetaldehyde 2.55E-03 2.91E-07 HY05 9 17422 Benzene 2.25E-02 2.57E-06 HY05 9 106990 1,3-Butadiene 5.02E-03 5.72E-07 HY05 9 100414 Ethylbenzene 9.57E-03 1.09E-06	HY04	8			1.08E-02	1.23E-06
HY04 8 110543 Hexane 1.64E-02 1.87E-06 HY04 8 67561 Methanol 1.23E-03 1.40E-07 HY04 8 78933 Methyl Ethyl Ketone 2.05E-04 2.34E-08 HY04 8 91203 Naphthalene 5.12E-04 5.84E-08 HY04 8 115071 Propylene 3.13E-02 3.58E-06 HY04 8 100425 Styrene 1.23E-03 1.40E-07 HY04 8 108883 Toluene 5.90E-02 6.73E-06 HY04 8 1330207 Xylenes 4.91E-02 5.61E-06 HY05 9 75070 Acetaldehyde 2.55E-03 2.91E-07 HY05 9 107028 Acrolein 1.19E-03 1.35E-07 HY05 9 71432 Benzene 2.25E-02 2.57E-06 HY05 9 106990 1,3-Butadiene 5.02E-03 5.72E-07 HY05 9 100414	HY04	8			1.62E-02	1.85E-06
HY04 8 78933 Methyl Ethyl Ketone 2.05E-04 2.34E-08 HY04 8 91203 Naphthalene 5.12E-04 5.84E-08 HY04 8 115071 Propylene 3.13E-02 3.58E-06 HY04 8 100425 Styrene 1.23E-03 1.40E-07 HY04 8 108883 Toluene 5.90E-02 6.73E-06 HY04 8 1330207 Xylenes 4.91E-02 5.61E-06 HY05 9 75070 Acetaldehyde 2.55E-03 2.91E-07 HY05 9 107028 Acrolein 1.19E-03 1.35E-07 HY05 9 71432 Benzene 2.25E-02 2.57E-06 HY05 9 106990 1,3-Butadiene 5.02E-03 5.72E-07 HY05 9 100414 Ethylbenzene 9.57E-03 1.09E-06 HY05 9 100414 Ethylbenzene 9.57E-03 1.09E-03 HY05 9 110543	HY04	8	110543	Hexane	1.64E-02	1.87E-06
HY04 8 91203 Naphthalene 5.12E-04 5.84E-08 HY04 8 115071 Propylene 3.13E-02 3.58E-06 HY04 8 100425 Styrene 1.23E-03 1.40E-07 HY04 8 108883 Toluene 5.90E-02 6.73E-06 HY04 8 1330207 Xylenes 4.91E-02 5.61E-06 HY05 9 75070 Acetaldehyde 2.55E-03 2.91E-07 HY05 9 107028 Acrolein 1.19E-03 1.35E-07 HY05 9 107028 Acrolein 1.19E-03 1.35E-07 HY05 9 71432 Benzene 2.25E-02 2.57E-06 HY05 9 106990 1,3-Butadiene 5.02E-03 5.72E-07 HY05 9 100414 Ethylbenzene 9.57E-03 1.09E-06 HY05 9 100414 Ethylbenzene 9.57E-03 1.09E-06 HY05 9 110543 <td< td=""><td>HY04</td><td>8</td><td>67561</td><td>Methanol</td><td>1.23E-03</td><td>1.40E-07</td></td<>	HY04	8	67561	Methanol	1.23E-03	1.40E-07
HY04 8 115071 Propylene 3.13E-02 3.58E-06 HY04 8 100425 Styrene 1.23E-03 1.40E-07 HY04 8 108883 Toluene 5.90E-02 6.73E-06 HY04 8 1330207 Xylenes 4.91E-02 5.61E-06 HY05 9 75070 Acetaldehyde 2.55E-03 2.91E-07 HY05 9 107028 Acrolein 1.19E-03 1.35E-07 HY05 9 106990 1,3-Butadiene 2.25E-02 2.57E-06 HY05 9 106990 1,3-Butadiene 5.02E-03 5.72E-07 HY05 9 100414 Ethylbenzene 9.57E-03 1.09E-06 HY05 9 100414 Ethylbenzene 9.57E-03 1.09E-06 HY05 9 100414 Hethylbenzene 9.57E-03 1.09E-06 HY05 9 110543 Hexane 1.46E-02 1.67E-06 HY05 9 78933	HY04	8	78933	Methyl Ethyl Ketone	2.05E-04	2.34E-08
HY04 8 100425 Styrene 1.23E-03 1.40E-07 HY04 8 108883 Toluene 5.90E-02 6.73E-06 HY04 8 1330207 Xylenes 4.91E-02 5.61E-06 HY05 9 75070 Acetaldehyde 2.55E-03 2.91E-07 HY05 9 107028 Acrolein 1.19E-03 1.35E-07 HY05 9 71432 Benzene 2.25E-02 2.57E-06 HY05 9 106990 1,3-Butadiene 5.02E-03 5.72E-07 HY05 9 100414 Ethylbenzene 9.57E-03 1.09E-06 HY05 9 100414 Ethylbenzene 9.57E-03 1.09E-06 HY05 9 50000 Formaldehyde 1.44E-02 1.64E-06 HY05 9 110543 Hexane 1.46E-02 1.67E-06 HY05 9 67561 Methanol 1.09E-03 1.25E-07 HY05 9 78933 Met	HY04	8	91203	Naphthalene	5.12E-04	5.84E-08
HY04 8 108883 Toluene 5.90E-02 6.73E-06 HY04 8 1330207 Xylenes 4.91E-02 5.61E-06 HY05 9 75070 Acetaldehyde 2.55E-03 2.91E-07 HY05 9 107028 Acrolein 1.19E-03 1.35E-07 HY05 9 71432 Benzene 2.25E-02 2.57E-06 HY05 9 106990 1,3-Butadiene 5.02E-03 5.72E-07 HY05 9 100414 Ethylbenzene 9.57E-03 1.09E-06 HY05 9 50000 Formaldehyde 1.44E-02 1.64E-06 HY05 9 50000 Formaldehyde 1.44E-02 1.67E-06 HY05 9 110543 Hexane 1.46E-02 1.67E-06 HY05 9 67561 Methanol 1.09E-03 1.25E-07 HY05 9 78933 Methyl Ethyl Ketone 1.82E-04 2.08E-08 HY05 9 91203	HY04	8	115071	Propylene	3.13E-02	3.58E-06
HY04 8 1330207 Xylenes 4.91E-02 5.61E-06 HY05 9 75070 Acetaldehyde 2.55E-03 2.91E-07 HY05 9 107028 Acrolein 1.19E-03 1.35E-07 HY05 9 71432 Benzene 2.25E-02 2.57E-06 HY05 9 106990 1,3-Butadiene 5.02E-03 5.72E-07 HY05 9 100414 Ethylbenzene 9.57E-03 1.09E-06 HY05 9 50000 Formaldehyde 1.44E-02 1.64E-06 HY05 9 50000 Formaldehyde 1.46E-02 1.67E-06 HY05 9 110543 Hexane 1.46E-02 1.67E-06 HY05 9 67561 Methanol 1.09E-03 1.25E-07 HY05 9 78933 Methyl Ethyl Ketone 1.82E-04 2.08E-08 HY05 9 91203 Naphthalene 4.56E-04 5.20E-08 HY05 9 115071	HY04	8	100425	Styrene	1.23E-03	1.40E-07
HY05 9 75070 Acetaldehyde 2.55E-03 2.91E-07 HY05 9 107028 Acrolein 1.19E-03 1.35E-07 HY05 9 71432 Benzene 2.25E-02 2.57E-06 HY05 9 106990 1,3-Butadiene 5.02E-03 5.72E-07 HY05 9 100414 Ethylbenzene 9.57E-03 1.09E-06 HY05 9 50000 Formaldehyde 1.44E-02 1.64E-06 HY05 9 110543 Hexane 1.46E-02 1.67E-06 HY05 9 67561 Methanol 1.09E-03 1.25E-07 HY05 9 78933 Methyl Ethyl Ketone 1.82E-04 2.08E-08 HY05 9 715071 Propylene 2.79E-02 3.19E-06 HY05 9 100425 Styrene 1.09E-03 1.25E-07 HY05 9 108883 Toluene 5.25E-02 6.00E-06 HY05 9 1330207	HY04	8	108883	Toluene	5.90E-02	6.73E-06
HY05 9 107028 Acrolein 1.19E-03 1.35E-07 HY05 9 71432 Benzene 2.25E-02 2.57E-06 HY05 9 106990 1,3-Butadiene 5.02E-03 5.72E-07 HY05 9 100414 Ethylbenzene 9.57E-03 1.09E-06 HY05 9 50000 Formaldehyde 1.44E-02 1.64E-06 HY05 9 110543 Hexane 1.46E-02 1.67E-06 HY05 9 67561 Methanol 1.09E-03 1.25E-07 HY05 9 78933 Methyl Ethyl Ketone 1.82E-04 2.08E-08 HY05 9 91203 Naphthalene 4.56E-04 5.20E-08 HY05 9 115071 Propylene 2.79E-02 3.19E-06 HY05 9 10425 Styrene 1.09E-03 1.25E-07 HY05 9 10883 Toluene 5.25E-02 6.00E-06 HY05 9 1330207 <	HY04	8	1330207	Xylenes	4.91E-02	5.61E-06
HY05 9 71432 Benzene 2.25E-02 2.57E-06 HY05 9 106990 1,3-Butadiene 5.02E-03 5.72E-07 HY05 9 100414 Ethylbenzene 9.57E-03 1.09E-06 HY05 9 50000 Formaldehyde 1.44E-02 1.64E-06 HY05 9 110543 Hexane 1.46E-02 1.67E-06 HY05 9 67561 Methanol 1.09E-03 1.25E-07 HY05 9 78933 Methyl Ethyl Ketone 1.82E-04 2.08E-08 HY05 9 91203 Naphthalene 4.56E-04 5.20E-08 HY05 9 115071 Propylene 2.79E-02 3.19E-06 HY05 9 100425 Styrene 1.09E-03 1.25E-07 HY05 9 10883 Toluene 5.25E-02 6.00E-06 HY05 9 1330207 Xylenes 4.38E-02 5.00E-06 HY06 10 75070 <	HY05	9	75070	Acetaldehyde	2.55E-03	2.91E-07
HY05 9 106990 1,3-Butadiene 5.02E-03 5.72E-07 HY05 9 100414 Ethylbenzene 9.57E-03 1.09E-06 HY05 9 50000 Formaldehyde 1.44E-02 1.64E-06 HY05 9 110543 Hexane 1.46E-02 1.67E-06 HY05 9 67561 Methanol 1.09E-03 1.25E-07 HY05 9 78933 Methyl Ethyl Ketone 1.82E-04 2.08E-08 HY05 9 91203 Naphthalene 4.56E-04 5.20E-08 HY05 9 115071 Propylene 2.79E-02 3.19E-06 HY05 9 100425 Styrene 1.09E-03 1.25E-07 HY05 9 108883 Toluene 5.25E-02 6.00E-06 HY05 9 1330207 Xylenes 4.38E-02 5.00E-06 HY06 10 75070 Acetaldehyde 2.56E-03 2.92E-07 HY06 10 107028	HY05	9	107028	Acrolein	1.19E-03	1.35E-07
HY05 9 100414 Ethylbenzene 9.57E-03 1.09E-06 HY05 9 50000 Formaldehyde 1.44E-02 1.64E-06 HY05 9 110543 Hexane 1.46E-02 1.67E-06 HY05 9 67561 Methanol 1.09E-03 1.25E-07 HY05 9 78933 Methyl Ethyl Ketone 1.82E-04 2.08E-08 HY05 9 91203 Naphthalene 4.56E-04 5.20E-08 HY05 9 115071 Propylene 2.79E-02 3.19E-06 HY05 9 100425 Styrene 1.09E-03 1.25E-07 HY05 9 108883 Toluene 5.25E-02 6.00E-06 HY05 9 1330207 Xylenes 4.38E-02 5.00E-06 HY06 10 75070 Acetaldehyde 2.56E-03 2.92E-07 HY06 10 107028 Acrolein 1.19E-03 1.36E-07	HY05	9	71432	Benzene	2.25E-02	2.57E-06
HY05 9 50000 Formaldehyde 1.44E-02 1.64E-06 HY05 9 110543 Hexane 1.46E-02 1.67E-06 HY05 9 67561 Methanol 1.09E-03 1.25E-07 HY05 9 78933 Methyl Ethyl Ketone 1.82E-04 2.08E-08 HY05 9 91203 Naphthalene 4.56E-04 5.20E-08 HY05 9 115071 Propylene 2.79E-02 3.19E-06 HY05 9 100425 Styrene 1.09E-03 1.25E-07 HY05 9 108883 Toluene 5.25E-02 6.00E-06 HY05 9 1330207 Xylenes 4.38E-02 5.00E-06 HY06 10 75070 Acetaldehyde 2.56E-03 2.92E-07 HY06 10 107028 Acrolein 1.19E-03 1.36E-07	HY05		106990	1,3-Butadiene	5.02E-03	5.72E-07
HY05 9 110543 Hexane 1.46E-02 1.67E-06 HY05 9 67561 Methanol 1.09E-03 1.25E-07 HY05 9 78933 Methyl Ethyl Ketone 1.82E-04 2.08E-08 HY05 9 91203 Naphthalene 4.56E-04 5.20E-08 HY05 9 115071 Propylene 2.79E-02 3.19E-06 HY05 9 100425 Styrene 1.09E-03 1.25E-07 HY05 9 108883 Toluene 5.25E-02 6.00E-06 HY05 9 1330207 Xylenes 4.38E-02 5.00E-06 HY06 10 75070 Acetaldehyde 2.56E-03 2.92E-07 HY06 10 107028 Acrolein 1.19E-03 1.36E-07	HY05	9		3	9.57E-03	1.09E-06
HY05 9 67561 Methanol 1.09E-03 1.25E-07 HY05 9 78933 Methyl Ethyl Ketone 1.82E-04 2.08E-08 HY05 9 91203 Naphthalene 4.56E-04 5.20E-08 HY05 9 115071 Propylene 2.79E-02 3.19E-06 HY05 9 100425 Styrene 1.09E-03 1.25E-07 HY05 9 108883 Toluene 5.25E-02 6.00E-06 HY05 9 1330207 Xylenes 4.38E-02 5.00E-06 HY06 10 75070 Acetaldehyde 2.56E-03 2.92E-07 HY06 10 107028 Acrolein 1.19E-03 1.36E-07	HY05				1.44E-02	1.64E-06
HY05 9 78933 Methyl Ethyl Ketone 1.82E-04 2.08E-08 HY05 9 91203 Naphthalene 4.56E-04 5.20E-08 HY05 9 115071 Propylene 2.79E-02 3.19E-06 HY05 9 100425 Styrene 1.09E-03 1.25E-07 HY05 9 108883 Toluene 5.25E-02 6.00E-06 HY05 9 1330207 Xylenes 4.38E-02 5.00E-06 HY06 10 75070 Acetaldehyde 2.56E-03 2.92E-07 HY06 10 107028 Acrolein 1.19E-03 1.36E-07	HY05		110543	Hexane	1.46E-02	1.67E-06
HY05 9 91203 Naphthalene 4.56E-04 5.20E-08 HY05 9 115071 Propylene 2.79E-02 3.19E-06 HY05 9 100425 Styrene 1.09E-03 1.25E-07 HY05 9 108883 Toluene 5.25E-02 6.00E-06 HY05 9 1330207 Xylenes 4.38E-02 5.00E-06 HY06 10 75070 Acetaldehyde 2.56E-03 2.92E-07 HY06 10 107028 Acrolein 1.19E-03 1.36E-07					1.09E-03	1.25E-07
HY05 9 115071 Propylene 2.79E-02 3.19E-06 HY05 9 100425 Styrene 1.09E-03 1.25E-07 HY05 9 108883 Toluene 5.25E-02 6.00E-06 HY05 9 1330207 Xylenes 4.38E-02 5.00E-06 HY06 10 75070 Acetaldehyde 2.56E-03 2.92E-07 HY06 10 107028 Acrolein 1.19E-03 1.36E-07	HY05			, ,	1.82E-04	2.08E-08
HY05 9 100425 Styrene 1.09E-03 1.25E-07 HY05 9 108883 Toluene 5.25E-02 6.00E-06 HY05 9 1330207 Xylenes 4.38E-02 5.00E-06 HY06 10 75070 Acetaldehyde 2.56E-03 2.92E-07 HY06 10 107028 Acrolein 1.19E-03 1.36E-07				•	4.56E-04	5.20E-08
HY05 9 108883 Toluene 5.25E-02 6.00E-06 HY05 9 1330207 Xylenes 4.38E-02 5.00E-06 HY06 10 75070 Acetaldehyde 2.56E-03 2.92E-07 HY06 10 107028 Acrolein 1.19E-03 1.36E-07						3.19E-06
HY05 9 1330207 Xylenes 4.38E-02 5.00E-06 HY06 10 75070 Acetaldehyde 2.56E-03 2.92E-07 HY06 10 107028 Acrolein 1.19E-03 1.36E-07	HY05			-		1.25E-07
HY06 10 75070 Acetaldehyde 2.56E-03 2.92E-07 HY06 10 107028 Acrolein 1.19E-03 1.36E-07						6.00E-06
HY06 10 107028 Acrolein 1.19E-03 1.36E-07	HY05	9		3	4.38E-02	5.00E-06
	HY06	10			2.56E-03	2.92E-07
HY06 10 71432 Benzene 2.26E-02 2.58E-06		10				1.36E-07
	HY06	10	71432	Benzene	2.26E-02	2.58E-06

HY06	10	106990	1,3-Butadiene	5.03E-03	5.74E-07
HY06	10	100414	Ethylbenzene	9.60E-03	1.10E-06
HY06	10	50000	Formaldehyde	1.45E-02	1.65E-06
HY06	10		Hexane	1.46E-02	1.67E-06
HY06	10	67561	Methanol	1.10E-03	1.25E-07
HY06	10	78933	Methyl Ethyl Ketone	1.83E-04	2.09E-08
HY06	10	91203	Naphthalene	4.57E-04	5.22E-08
HY06	10	115071	Propylene	2.80E-02	3.20E-06
HY06	10	100425	Styrene	1.10E-03	1.25E-07
HY06	10	108883	Toluene	5.27E-02	6.01E-06
HY06	10	1330207	Xylenes	4.39E-02	5.01E-06
PEN5	11	75070	Acetaldehyde	1.66E-03	1.89E-07
PEN5	11	107028	Acrolein	7.70E-04	8.79E-08
PEN5	11	71432	Benzene	1.46E-02	1.67E-06
PEN5	11	106990	1,3-Butadiene	3.26E-03	3.72E-07
PEN5	11	100414	Ethylbenzene	6.22E-03	7.10E-07
PEN5	11	50000	Formaldehyde	9.35E-03	1.07E-06
PEN5	11	110543	Hexane	9.47E-03	1.08E-06
PEN5	11	67561	Methanol	7.10E-04	8.11E-08
PEN5	11	78933	Methyl Ethyl Ketone	1.18E-04	1.35E-08
PEN5	11	91203	Naphthalene	2.96E-04	3.38E-08
PEN5	11	115071	Propylene	1.81E-02	2.07E-06
PEN5	11	100425	Styrene	7.10E-04	8.11E-08
PEN5	11	108883	Toluene	3.41E-02	3.89E-06
PEN5	11	1330207		2.84E-02	3.24E-06
PEN6	12	75070	Acetaldehyde	1.66E-03	1.90E-07
PEN6	12	107028	Acrolein	7.72E-04	8.81E-08
PEN6	12	71432	Benzene	1.47E-02	1.67E-06
PEN6	12	106990	1,3-Butadiene	3.27E-03	3.73E-07
PEN6	12	100414	Ethylbenzene	6.24E-03	7.12E-07
PEN6	12	50000	Formaldehyde	9.38E-03	1.07E-06
PEN6	12	110543	Hexane	9.50E-03	1.08E-06
PEN6	12		Methanol	7.13E-04	8.14E-08
PEN6	12	78933	Methyl Ethyl Ketone	1.19E-04	1.36E-08
PEN6	12	91203	Naphthalene	2.97E-04	3.39E-08
PEN6	12		Propylene	1.82E-02	2.07E-06
PEN6	12	100425	Styrene	7.13E-04	8.14E-08
PEN6	12	108883	Toluene	3.42E-02	3.91E-06
PEN6	12	1330207	Xylenes	2.85E-02	3.25E-06

Unmitigated	Proposed Project - Operations			
	Full Build			
Source	Total PM2.5 (ton/yr)			
Generators	0.014			
FWPs	0.014			
TRU Idling	0.552			
Forklifts	0.163			
Onsite Cars	0.004			
Onsite Trucks	0.012			
Offsite Cars	0.072			
Offsite Trucks	0.057			

	_	
Unmitigat	ted	
		Reduced Footprint - Operations
Sourc	е	Total PM2.5 (ton/yr)
Generator	rs	0.005
FWPs		0.005
TRU Idling	J	0.229
Forklifts		0.059
Onsite Ca	rs	0.002
Onsite Tru	ıcks	0.004
Offsite Ca	rs	0.030
Offsite Tru	ucks	0.024

Unmitigated	% Difference - Operations		
	Full Build		
Source	Total PM2.5 (ton/yr)		
Generators	-65%		
FWPs	-65%		
TRU Idling	-58%		
Forklifts	-64%		
Onsite Cars	-58%		
Onsite Trucks	-69%		
Offsite Cars	-59%		
Offsite Trucks	-58%		

Annual PM2.5 Conc. (ug/m3) Full Buildout Operations - Unmitigated

·		% Diff Total	Project -	Est. Reduced Footprint -	Drainet Marker	Est. Reduced
Source	ce	PM2.5 (ton/yr)	Resident	Resident	Project - Worker	Footprint - Worker
Forklifts		-64%	0.033	0.0117	0.176	0.0637
FWPs		-65%	0.0008	0.0003	0.0012	0.0004
Generators		-65%	0.0008	0.0003	0.0017	0.0006
TRU Idling		-58%	0.043	0.018	0.235	0.097
Onsite Cars		-58%	0.001	0.001	0.006	0.002
Onsite Trucks		-69%	0.003	0.001	0.011	0.004
Offsite Cars		-59%	0.026	0.011	0.019	0.008
Offsite Trucks		-58%	0.023	0.010	0.018	0.008
Sun	n	-	0.131	0.052	0.469	0.184

HARP2 Emission Inputs (Alternative 2 - Unmitigated)

HARFZ EIIIISSIUITT	Tipats (rittorni	411102 01	initigated)	(Full Build Ops	- Offsite)
SRC ID	SRC No.	CAS	Pollutant	lb/yr	lb/hr
PEN1_Cars	1	9901	DieselExhPM	8.78E-01	0.00E+00
COR1_Cars	2	9901	DieselExhPM	5.45E-03	0.00E+00
COR2_Cars	3	9901	DieselExhPM	9.27E-02	0.00E+00
PEN2_Cars	4	9901	DieselExhPM	1.00E-01	0.00E+00
HY01_Cars	5	9901	DieselExhPM	1.22E-01	0.00E+00
HY02_Cars	6	9901	DieselExhPM	1.94E-01	0.00E+00
PEN3_Cars	7	9901	DieselExhPM	9.81E-02	0.00E+00
PEN4_Cars	8	9901	DieselExhPM	1.34E-01	0.00E+00
WTX1_Cars	9	9901	DieselExhPM	3.64E-02	0.00E+00
BEK1_Cars	10	9901	DieselExhPM	1.25E-01	0.00E+00
BEK2_Cars	11	9901	DieselExhPM	1.25E-01	0.00E+00
COR3_Cars	12	9901	DieselExhPM	1.82E-02	0.00E+00
BEK3_Cars	13	9901	DieselExhPM	4.73E-02	0.00E+00
BEK4_Cars	14	9901	DieselExhPM	1.82E-02	0.00E+00
BEK5_Cars	15		DieselExhPM	2.91E-02	0.00E+00
CBN1_Cars	16		DieselExhPM	0.00E+00	0.00E+00
CBN2_Cars	17		DieselExhPM	0.00E+00	0.00E+00
HY03_Cars	18		DieselExhPM	1.07E-01	0.00E+00
HY04_Cars	19		DieselExhPM	9.09E-03	0.00E+00
HY05_Cars	20		DieselExhPM	1.38E-01	0.00E+00
HY06_Cars	21		DieselExhPM	1.91E-01	0.00E+00
PEN1_Trucks	22		DieselExhPM	5.25E+00	0.00E+00
COR1_Trucks	23		DieselExhPM	3.26E-02	0.00E+00
COR2_Trucks	24		DieselExhPM	5.54E-01	0.00E+00
PEN2_Trucks	25		DieselExhPM	5.98E-01	0.00E+00
HY01_Trucks	26		DieselExhPM	7.28E-01	0.00E+00
HY02_Trucks	27		DieselExhPM	1.16E+00	0.00E+00
PEN3_Trucks	28		DieselExhPM	5.87E-01	0.00E+00
PEN4_Trucks	29	9901	DieselExhPM	8.05E-01	0.00E+00
WTX1_Trucks	30	9901	DieselExhPM	2.17E-01	0.00E+00
BEK1_Trucks	31	9901	DieselExhPM	7.50E-01	0.00E+00
BEK2_Trucks	32	9901	DieselExhPM	7.50E-01	0.00E+00
COR3_Trucks	33	9901	DieselExhPM	1.09E-01	0.00E+00
BEK3_Trucks	34	9901	DieselExhPM	2.83E-01	0.00E+00
BEK4_Trucks	35		DieselExhPM	1.09E-01	0.00E+00
BEK5_Trucks	36		DieselExhPM	1.74E-01	0.00E+00
CBN1_Trucks	37		DieselExhPM	0.00E+00	0.00E+00
CBN2_Trucks	38		DieselExhPM	0.00E+00	0.00E+00
HY03_Trucks	39		DieselExhPM	6.41E-01	0.00E+00
HY04_Trucks	40		DieselExhPM	5.44E-02	0.00E+00
HY05_Trucks	41		DieselExhPM	8.26E-01	0.00E+00
HY06_Trucks	42		DieselExhPM	1.14E+00	0.00E+00
PEN1_Cars	1		Acetaldehyde	7.27E-02	8.30E-06
PEN1_Cars	1		Acrolein	3.38E-02	3.85E-06

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PEN1_Cars	1		Benzene	6.41E-01	7.32E-05
PEN1_Cars	1		1,3-Butadiene	1.43E-01	1.63E-05
PEN1_Cars	1		Ethylbenzene	2.73E-01	3.11E-05
PEN1_Cars	1		Formaldehyde	4.10E-01	4.68E-05
PEN1_Cars	1		Hexane	4.15E-01	4.74E-05
PEN1_Cars	1		Methanol	3.12E-02	3.56E-06
PEN1_Cars	1		Methyl Ethyl Ketone	5.19E-03	
PEN1_Cars	1		Naphthalene	1.30E-02	1.48E-06
PEN1_Cars	1		Propylene	7.95E-01	9.07E-05
PEN1_Cars	1		Styrene	3.12E-02	3.56E-06
PEN1_Cars	1		Toluene	1.50E+00	1.71E-04
PEN1_Cars	1	1330207		1.25E+00	
COR1_Cars	2		Acetaldehyde	4.52E-04	5.15E-08
COR1_Cars	2		Acrolein	2.10E-04	2.39E-08
COR1_Cars	2		Benzene	3.98E-03	4.55E-07
COR1_Cars	2		1,3-Butadiene	8.87E-04	1.01E-07
COR1_Cars	2		Ethylbenzene	1.69E-03	1.93E-07
COR1_Cars	2		Formaldehyde	2.55E-03	2.91E-07
COR1_Cars	2		Hexane	2.58E-03	2.95E-07
COR1_Cars	2		Methanol	1.94E-04	2.21E-08
COR1_Cars	2	78933	Methyl Ethyl Ketone	3.23E-05	3.68E-09
COR1_Cars	2		Naphthalene	8.06E-05	9.21E-09
COR1_Cars	2		Propylene	4.94E-03	
COR1_Cars	2		Styrene	1.94E-04	2.21E-08
COR1_Cars	2		Toluene	9.29E-03	1.06E-06
COR1_Cars	2	1330207		7.74E-03	8.84E-07
COR2_Cars	3		Acetaldehyde	7.68E-03	8.76E-07
COR2_Cars	3		Acrolein	3.56E-03	4.07E-07
COR2_Cars	3		Benzene	6.77E-02	7.73E-06
COR2_Cars	3		1,3-Butadiene	1.51E-02	1.72E-06
COR2_Cars	3		Ethylbenzene	2.88E-02	
COR2_Cars	3		Formaldehyde	4.33E-02	
COR2_Cars	3		Hexane	4.39E-02	
COR2_Cars	3		Methanol	3.29E-03	
COR2_Cars	3		Methyl Ethyl Ketone	5.48E-04	6.26E-08
COR2_Cars	3		Naphthalene	1.37E-03	
COR2_Cars	3		Propylene	8.39E-02	
COR2_Cars	3		Styrene	3.29E-03	
COR2_Cars	3		Toluene	1.58E-01	1.80E-05
COR2_Cars	3	1330207	,	1.32E-01	1.50E-05
PEN2_Cars	4		Acetaldehyde	8.28E-03	9.45E-07
PEN2_Cars	4		Acrolein	3.84E-03	
PEN2_Cars	4		Benzene	7.30E-02	8.34E-06
PEN2_Cars	4		1,3-Butadiene	1.63E-02	1.86E-06
PEN2_Cars	4		Ethylbenzene	3.10E-02	
PEN2_Cars	4		Formaldehyde	4.67E-02	5.33E-06
PEN2_Cars	4	110543	Hexane	4.73E-02	5.40E-06

PEN2_Cars	4	67561	Methanol	3.55E-03	4.05E-07
PEN2_Cars	4		Methyl Ethyl Ketone	5.91E-04	
PEN2_Cars	4		Naphthalene	1.48E-03	
PEN2_Cars	4		Propylene	9.05E-02	
PEN2_Cars			Styrene	3.55E-03	
	4		Toluene		
PEN2_Cars				1.70E-01	1.94E-05
PEN2_Cars	4	1330207		1.42E-01	1.62E-05
HY01_Cars HY01_Cars	5 5		Acetaldehyde	1.01E-02	
			Acrolein	4.68E-03	
HY01_Cars	5		Benzene	8.90E-02	1.02E-05
HY01_Cars HY01_Cars	5 5		1,3-Butadiene	1.98E-02 3.78E-02	2.26E-06
	5 5		Ethylbenzene		
HY01_Cars HY01_Cars	5		Formaldehyde Hexane	5.69E-02 5.76E-02	
			Methanol		
HY01_Cars HY01_Cars	5 5			4.32E-03 7.20E-04	4.93E-07 8.22E-08
HY01_Cars	5 5		Methyl Ethyl Ketone Naphthalene	1.80E-03	
HY01_Cars	5 5		Propylene	1.00E-03 1.10E-01	1.26E-05
HY01_Cars	5		Styrene	4.32E-03	
HY01_Cars	5		Toluene	2.07E-01	4.93E-07 2.37E-05
HY01_Cars	5	1330207		1.73E-01	1.97E-05
HY02_Cars	6		Acetaldehyde	1.61E-02	
HY02_Cars	6		Acrolein	7.48E-03	
HY02_Cars	6		Benzene	1.42E-01	1.62E-05
HY02_Cars	6		1,3-Butadiene	3.16E-02	3.61E-06
HY02_Cars	6		Ethylbenzene	6.04E-02	6.89E-06
HY02_Cars	6		Formaldehyde	9.09E-02	
HY02_Cars	6		Hexane	9.20E-02	
HY02_Cars	6		Methanol	6.90E-03	
HY02_Cars	6		Methyl Ethyl Ketone	1.15E-03	
HY02_Cars	6		Naphthalene	2.88E-03	
HY02_Cars	6		Propylene	1.76E-01	
HY02_Cars	6		Styrene	6.90E-03	
HY02_Cars	6		Toluene	3.31E-01	3.78E-05
HY02_Cars	6	1330207		2.76E-01	3.15E-05
PEN3_Cars	7		Acetaldehyde	8.13E-03	
PEN3_Cars	7		Acrolein	3.77E-03	
PEN3_Cars	7		Benzene	7.17E-02	
PEN3_Cars	7	106990	1,3-Butadiene	1.60E-02	1.82E-06
PEN3_Cars	7		Ethylbenzene	3.05E-02	3.48E-06
PEN3_Cars	7		Formaldehyde	4.59E-02	5.24E-06
PEN3_Cars	7		Hexane	4.64E-02	5.30E-06
PEN3_Cars	7	67561	Methanol	3.48E-03	3.98E-07
PEN3_Cars	7	78933	Methyl Ethyl Ketone	5.81E-04	6.63E-08
PEN3_Cars	7		Naphthalene	1.45E-03	1.66E-07
PEN3_Cars	7		Propylene	8.88E-02	1.01E-05
PEN3_Cars	7		Styrene	3.48E-03	3.98E-07

DEM2 Care	7	100002	Toluene	1.67E-01	1 015 05
PEN3_Cars	7			1.67E-01 1.39E-01	1.91E-05 1.59E-05
PEN3_Cars	8	1330207	3	1.39E-01 1.11E-02	
PEN4_Cars PEN4_Cars	8		Acetaldehyde Acrolein	5.17E-03	
	<u> </u>		Benzene		
PEN4_Cars	8			9.83E-02	
PEN4_Cars	8		1,3-Butadiene	2.19E-02	2.50E-06 4.77E-06
PEN4_Cars	8		Ethylbenzene	4.18E-02	
PEN4_Cars	8		Formaldehyde Hexane	6.29E-02 6.37E-02	7.18E-06
PEN4_Cars	<u> </u>		Methanol		7.27E-06
PEN4_Cars	8			4.77E-03 7.96E-04	
PEN4_Cars	8		Methyl Ethyl Ketone	1.99E-04 1.99E-03	9.08E-08 2.27E-07
PEN4_Cars	8		Naphthalene		
PEN4_Cars PEN4_Cars	8 8		Propylene	1.22E-01 4.77E-03	1.39E-05
			Styrene		
PEN4_Cars	8		Toluene	2.29E-01	2.62E-05
PEN4_Cars	8 9	1330207		1.91E-01	2.18E-05
WTX1_Cars			Acetaldehyde	3.01E-03	
WTX1_Cars	9		Acrolein	1.40E-03	
WTX1_Cars	9		Benzene	2.66E-02	3.03E-06
WTX1_Cars	9		1,3-Butadiene	5.91E-03	
WTX1_Cars	9 9		Ethylbenzene	1.13E-02	1.29E-06
WTX1_Cars			Formaldehyde	1.70E-02	
WTX1_Cars	9 9		Hexane	1.72E-02	
WTX1_Cars			Methanol	1.29E-03	
WTX1_Cars	9 9		Methyl Ethyl Ketone	2.15E-04	2.45E-08
WTX1_Cars	9		Naphthalene	5.38E-04 3.29E-02	6.14E-08
WTX1_Cars	9		Propylene		
WTX1_Cars WTX1_Cars	9		Styrene Toluene	1.29E-03 6.19E-02	1.47E-07 7.07E-06
WTX1_Cars WTX1_Cars	9	1330207		5.16E-02	
BEK1_Cars	10			1.04E-02	
BEK1_Cars	10		Acetaldehyde Acrolein	4.82E-03	
BEK1_Cars	10		Benzene	9.16E-02	
BEK1_Cars	10		1,3-Butadiene	2.04E-02	
BEK1_Cars	10		Ethylbenzene	3.89E-02	
BEK1_Cars	10		Formaldehyde	5.86E-02	
BEK1_Cars	10		Hexane	5.80E-02 5.93E-02	
	10		Methanol		
BEK1_Cars BEK1_Cars	10		Methyl Ethyl Ketone	4.45E-03 7.42E-04	
BEK1_Cars	10		Naphthalene	1.85E-03	
BEK1_Cars	10		Propylene	1.03E-03 1.14E-01	1.30E-05
BEK1_Cars	10		Styrene	4.45E-03	
BEK1_Cars	10		Toluene	2.14E-01	2.44E-05
BEK1_Cars	10	1330207		1.78E-01	2.44E-05 2.03E-05
BEK2_Cars	11		Acetaldehyde	1.78E-01 1.04E-02	
BEK2_Cars	11		Acrolein	4.82E-03	
BEK2_Cars	11		Benzene	9.16E-02	
DENZ_COLS	11	/ 1432	Delizelle	9.10E-U2	1.U3E-U5

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BEK2_Cars	11		1,3-Butadiene	2.04E-02	2.33E-06
BEK2_Cars	11		Ethylbenzene	3.89E-02	4.45E-06
BEK2_Cars	11		Formaldehyde	5.86E-02	6.69E-06
BEK2_Cars	11		Hexane	5.93E-02	6.78E-06
BEK2_Cars	11		Methanol	4.45E-03	5.08E-07
BEK2_Cars	11		Methyl Ethyl Ketone	7.42E-04	8.47E-08
BEK2_Cars	11		Naphthalene	1.85E-03	2.12E-07
BEK2_Cars	11		Propylene	1.14E-01	1.30E-05
BEK2_Cars	11		Styrene	4.45E-03	5.08E-07
BEK2_Cars	11		Toluene	2.14E-01	2.44E-05
BEK2_Cars	11	1330207		1.78E-01	2.03E-05
COR3_Cars	12		Acetaldehyde	1.51E-03	1.72E-07
COR3_Cars	12		Acrolein	6.99E-04	7.98E-08
COR3_Cars	12		Benzene	1.33E-02	1.52E-06
COR3_Cars	12		1,3-Butadiene	2.96E-03	3.38E-07
COR3_Cars	12		Ethylbenzene	5.64E-03	6.44E-07
COR3_Cars	12		Formaldehyde	8.49E-03	9.70E-07
COR3_Cars	12		Hexane	8.60E-03	9.82E-07
COR3_Cars	12		Methanol	6.45E-04	7.36E-08
COR3_Cars	12		Methyl Ethyl Ketone	1.08E-04	1.23E-08
COR3_Cars	12		Naphthalene	2.69E-04	3.07E-08
COR3_Cars	12		Propylene	1.65E-02	1.88E-06
COR3_Cars	12		Styrene	6.45E-04	7.36E-08
COR3_Cars	12		Toluene	3.10E-02	3.53E-06
COR3_Cars	12	1330207		2.58E-02	2.95E-06
BEK3_Cars	13		Acetaldehyde	3.91E-03	4.47E-07
BEK3_Cars	13	107028	Acrolein	1.82E-03	2.07E-07
BEK3_Cars	13		Benzene	3.45E-02	3.94E-06
BEK3_Cars	13		1,3-Butadiene	7.69E-03	8.78E-07
BEK3_Cars	13		Ethylbenzene	1.47E-02	1.68E-06
BEK3_Cars	13	50000	Formaldehyde	2.21E-02	2.52E-06
BEK3_Cars	13	110543	Hexane	2.24E-02	2.55E-06
BEK3_Cars	13		Methanol	1.68E-03	1.91E-07
BEK3_Cars	13	78933	Methyl Ethyl Ketone	2.80E-04	3.19E-08
BEK3_Cars	13		Naphthalene	6.99E-04	7.98E-08
BEK3_Cars	13	115071	Propylene	4.28E-02	4.88E-06
BEK3_Cars	13	100425	Styrene	1.68E-03	1.91E-07
BEK3_Cars	13		Toluene	8.05E-02	9.19E-06
BEK3_Cars	13	1330207	Xylenes	6.71E-02	7.66E-06
BEK4_Cars	14	75070	Acetaldehyde	1.51E-03	1.72E-07
BEK4_Cars	14	107028	Acrolein	6.99E-04	7.98E-08
BEK4_Cars	14	71432	Benzene	1.33E-02	1.52E-06
BEK4_Cars	14	106990	1,3-Butadiene	2.96E-03	3.38E-07
BEK4_Cars	14		Ethylbenzene	5.64E-03	6.44E-07
BEK4_Cars	14		Formaldehyde	8.49E-03	9.70E-07
BEK4_Cars	14		Hexane	8.60E-03	9.82E-07
BEK4_Cars	14		Methanol	6.45E-04	7.36E-08

BEK4_Cars	14	70022	Mothyl Ethyl Kotono	1.08E-04	1.23E-08
BEK4_Cars	14		Methyl Ethyl Ketone Naphthalene	2.69E-04	
BEK4_Cars	14		Propylene	1.65E-02	
BEK4_Cars	14		Styrene	6.45E-04	
	14		Toluene	3.10E-02	
BEK4_Cars BEK4_Cars	14				
BEK5_Cars	15	1330207		2.58E-02 2.41E-03	
			Acetaldehyde Acrolein		
BEK5_Cars BEK5_Cars	15 15		Benzene	1.12E-03 2.12E-02	
BEK5_Cars	15		1,3-Butadiene	4.73E-03	
BEK5_Cars	15			9.03E-03	
BEK5_Cars	15		Ethylbenzene Formaldehyde	1.36E-02	
BEK5_Cars	15		Hexane	1.38E-02	
BEK5_Cars	15		Methanol	1.03E-03	
BEK5_Cars	15		Methyl Ethyl Ketone	1.72E-04	
BEK5_Cars	15		Naphthalene	4.30E-04	
BEK5_Cars	15		Propylene	2.63E-02	
BEK5_Cars	15		Styrene	1.03E-03	
BEK5_Cars	15		Toluene	4.95E-02	
BEK5_Cars	15	1330207		4.13E-02	
CBN1_Cars	16		Acetaldehyde	0.00E+00	
CBN1_Cars	16		Acrolein	0.00E+00	
CBN1_Cars	16		Benzene	0.00E+00	
CBN1_Cars	16		1,3-Butadiene	0.00E+00	
CBN1_Cars	16		Ethylbenzene	0.00E+00	
CBN1_Cars	16		Formaldehyde	0.00E+00	
CBN1_Cars	16	110543	Hexane	0.00E+00	
CBN1_Cars	16		Methanol	0.00E+00	
CBN1_Cars	16		Methyl Ethyl Ketone	0.00E+00	
CBN1_Cars	16		Naphthalene	0.00E+00	
CBN1 Cars	16		Propylene	0.00E+00	
CBN1_Cars	16	100425	Styrene	0.00E+00	
CBN1_Cars	16		Toluene	0.00E+00	
CBN1_Cars	16	1330207		0.00E+00	
CBN2_Cars	17		Acetaldehyde	0.00E+00	
CBN2_Cars	17		Acrolein	0.00E+00	
CBN2_Cars	17		Benzene	0.00E+00	
CBN2_Cars	17		1,3-Butadiene	0.00E+00	
CBN2_Cars	17		Ethylbenzene	0.00E+00	
CBN2_Cars	17		Formaldehyde	0.00E+00	0.00E+00
CBN2_Cars	17		Hexane	0.00E+00	0.00E+00
CBN2_Cars	17		Methanol	0.00E+00	
CBN2_Cars	17		Methyl Ethyl Ketone	0.00E+00	0.00E+00
CBN2_Cars	17		Naphthalene	0.00E+00	0.00E+00
CBN2_Cars	17	115071	Propylene	0.00E+00	0.00E+00
CBN2_Cars	17	100425	Styrene	0.00E+00	0.00E+00
CBN2_Cars	17	108883	Toluene	0.00E+00	0.00E+00

CBN2_Cars	17	1330207	Xvlenes	0.00E+00	0.00E+00
HY03_Cars	18		Acetaldehyde	8.88E-03	
HY03_Cars	18		Acrolein	4.12E-03	
HY03_Cars	18		Benzene	7.83E-02	
HY03_Cars	18		1,3-Butadiene	1.74E-02	
HY03_Cars	18		Ethylbenzene	3.33E-02	
HY03_Cars	18		Formaldehyde	5.01E-02	
HY03_Cars	18		Hexane	5.07E-02	5.79E-06
HY03_Cars	18	67561	Methanol	3.81E-03	4.34E-07
HY03_Cars	18	78933	Methyl Ethyl Ketone	6.34E-04	7.24E-08
HY03_Cars	18		Naphthalene	1.59E-03	1.81E-07
HY03_Cars	18	115071	Propylene	9.71E-02	1.11E-05
HY03_Cars	18		Styrene	3.81E-03	4.34E-07
HY03_Cars	18		Toluene	1.83E-01	2.09E-05
HY03_Cars	18	1330207		1.52E-01	1.74E-05
HY04_Cars	19		Acetaldehyde	7.53E-04	
HY04_Cars	19	107028	Acrolein	3.49E-04	
HY04_Cars	19		Benzene	6.64E-03	
HY04_Cars	19		1,3-Butadiene	1.48E-03	
HY04_Cars	19		Ethylbenzene	2.82E-03	
HY04_Cars	19	50000	Formaldehyde	4.25E-03	
HY04_Cars	19	110543	Hexane	4.30E-03	
HY04_Cars	19		Methanol	3.23E-04	
HY04_Cars	19		Methyl Ethyl Ketone	5.38E-05	
HY04_Cars	19		Naphthalene	1.34E-04	
HY04_Cars	19	115071	Propylene	8.23E-03	
HY04_Cars	19		Styrene	3.23E-04	
HY04_Cars	19		Toluene	1.55E-02	
HY04_Cars	19	1330207		1.29E-02	
HY05_Cars	20		Acetaldehyde	1.14E-02	
HY05_Cars	20		Acrolein	5.31E-03	
HY05_Cars	20		Benzene	1.01E-01	
HY05_Cars	20		1,3-Butadiene	2.25E-02	
HY05_Cars	20		Ethylbenzene	4.29E-02	
HY05_Cars	20		Formaldehyde	6.46E-02	
HY05_Cars	20		Hexane	6.54E-02	
HY05_Cars	20		Methanol	4.90E-03	
HY05_Cars	20		Methyl Ethyl Ketone	8.17E-04	
HY05_Cars	20		Naphthalene	2.04E-03	
HY05_Cars	20		Propylene	1.25E-01	
HY05_Cars	20		Styrene	4.90E-03	
HY05_Cars	20		Toluene	2.35E-01	
HY05_Cars	20	1330207	,	1.96E-01	
HY06_Cars	21		Acetaldehyde	1.58E-02	
HY06_Cars	21		Acrolein	7.34E-03	
HY06_Cars	21		Benzene	1.39E-01	
HY06_Cars	21	106990	1,3-Butadiene	3.10E-02	3.54E-06

HY06_Cars	21	100/1/	Ethylbenzene	5.93E-02	6.77E-06
HY06_Cars	21	50000	Formaldehyde	8.92E-02	
HY06_Cars	21		Hexane	9.03E-02	
HY06_Cars	21		Methanol	6.77E-03	
HY06_Cars	21		Methyl Ethyl Ketone	1.13E-03	1.29E-07
HY06_Cars	21		Naphthalene	2.82E-03	
HY06_Cars	21		Propylene	1.73E-01	1.97E-05
HY06_Cars	21		Styrene	6.77E-03	7.73E-07
HY06_Cars	21		Toluene	3.25E-01	3.71E-05
HY06_Cars	21	1330207		2.71E-01	3.09E-05
PEN1_Trucks	22		Acetaldehyde	2.15E-01	2.45E-05
PEN1_Trucks	22		Acrolein	9.98E-02	
PEN1_Trucks	22		Benzene	1.90E+00	2.17E-04
PEN1_Trucks	22		1,3-Butadiene	4.22E-01	4.82E-05
PEN1_Trucks	22		Ethylbenzene	8.06E-01	9.20E-05
PEN1_Trucks	22		Formaldehyde	1.21E+00	
PEN1_Trucks	22		Hexane	1.23E+00	
PEN1_Trucks	22		Methanol	9.22E-02	1.05E-05
PEN1_Trucks	22		Methyl Ethyl Ketone	1.54E-02	
PEN1_Trucks	22		Naphthalene	3.84E-02	4.38E-06
PEN1_Trucks	22		Propylene	2.35E+00	
PEN1_Trucks	22		Styrene	9.22E-02	
PEN1_Trucks	22	108883	Toluene	4.42E+00	5.05E-04
PEN1_Trucks	22	1330207	Xylenes	3.69E+00	4.21E-04
COR1_Trucks	23		Acetaldehyde	1.34E-03	1.52E-07
COR1_Trucks	23	107028	Acrolein	6.20E-04	7.08E-08
COR1_Trucks	23	71432	Benzene	1.18E-02	1.34E-06
COR1_Trucks	23	106990	1,3-Butadiene	2.62E-03	
COR1_Trucks	23	100414	Ethylbenzene	5.01E-03	5.72E-07
COR1_Trucks	23	50000	Formaldehyde	7.54E-03	8.60E-07
COR1_Trucks	23		Hexane	7.63E-03	
COR1_Trucks	23		Methanol	5.72E-04	
COR1_Trucks	23		Methyl Ethyl Ketone	9.54E-05	
COR1_Trucks	23		Naphthalene	2.38E-04	
COR1_Trucks	23		Propylene	1.46E-02	
COR1_Trucks	23		Styrene	5.72E-04	
COR1_Trucks	23		Toluene	2.75E-02	
COR1_Trucks	23	1330207		2.29E-02	
COR2_Trucks	24		Acetaldehyde	2.27E-02	
COR2_Trucks	24		Acrolein	1.05E-02	
COR2_Trucks	24		Benzene	2.00E-01	2.29E-05
COR2_Trucks	24		1,3-Butadiene	4.46E-02	
COR2_Trucks	24		Ethylbenzene	8.51E-02	
COR2_Trucks	24		Formaldehyde	1.28E-01	
COR2_Trucks	24		Hexane	1.30E-01	1.48E-05
COR2_Trucks	24		Methanol	9.73E-03	
COR2_Trucks	24	/8933	Methyl Ethyl Ketone	1.62E-03	1.85E-07

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COR2_Trucks	24		Naphthalene	4.05E-03	
COR2_Trucks	24		Propylene	2.48E-01	
COR2_Trucks	24	100425	Styrene	9.73E-03	1.11E-06
COR2_Trucks	24	108883	Toluene	4.67E-01	
COR2_Trucks	24	1330207	Xylenes	3.89E-01	4.44E-05
PEN2_Trucks	25	75070	Acetaldehyde	2.45E-02	2.80E-06
PEN2_Trucks	25		Acrolein	1.14E-02	1.30E-06
PEN2_Trucks	25	71432	Benzene	2.16E-01	2.47E-05
PEN2_Trucks	25	106990	1,3-Butadiene	4.81E-02	5.49E-06
PEN2_Trucks	25	100414	Ethylbenzene	9.18E-02	1.05E-05
PEN2_Trucks	25		Formaldehyde	1.38E-01	1.58E-05
PEN2_Trucks	25	110543	Hexane	1.40E-01	1.60E-05
PEN2_Trucks	25		Methanol	1.05E-02	1.20E-06
PEN2_Trucks	25		Methyl Ethyl Ketone	1.75E-03	2.00E-07
PEN2_Trucks	25		Naphthalene	4.37E-03	
PEN2_Trucks	25		Propylene	2.68E-01	
PEN2_Trucks	25	100425	Styrene	1.05E-02	
PEN2_Trucks	25		Toluene	5.04E-01	5.75E-05
PEN2_Trucks	25	1330207		4.20E-01	
HY01_Trucks	26		Acetaldehyde	2.98E-02	
HY01_Trucks	26		Acrolein	1.38E-02	
HY01_Trucks	26		Benzene	2.63E-01	
HY01_Trucks	26		1,3-Butadiene	5.86E-02	
HY01_Trucks	26		Ethylbenzene	1.12E-01	
HY01_Trucks	26		Formaldehyde	1.68E-01	
HY01_Trucks	26		Hexane	1.70E-01	
HY01_Trucks	26		Methanol	1.28E-02	
HY01_Trucks	26		Methyl Ethyl Ketone	2.13E-03	2.43E-07
HY01_Trucks	26		Naphthalene	5.33E-03	
HY01_Trucks	26		Propylene	3.26E-01	3.72E-05
HY01_Trucks	26		Styrene	1.28E-02	1.46E-06
HY01_Trucks	26		Toluene	6.14E-01	7.00E-05
HY01_Trucks	26	1330207		5.11E-01	5.84E-05
HY02_Trucks	27		Acetaldehyde	4.76E-02	
HY02_Trucks	27		Acrolein	2.21E-02	2.52E-06
HY02_Trucks	27		Benzene	4.20E-01	
HY02_Trucks	27		1,3-Butadiene	9.36E-02	
HY02_Trucks	27		Ethylbenzene	1.79E-01	
HY02_Trucks	27		Formaldehyde	2.69E-01	
HY02_Trucks	27		Hexane	2.72E-01	
HY02_Trucks	27	67561	Methanol	2.04E-02	2.33E-06
HY02_Trucks	27	78933	Methyl Ethyl Ketone	3.40E-03	3.88E-07
HY02_Trucks	27		Naphthalene	8.51E-03	
HY02_Trucks	27		Propylene	5.21E-01	
HY02_Trucks	27		Styrene	2.04E-02	
HY02_Trucks	27		Toluene	9.80E-01	
HY02_Trucks	27	1330207		8.17E-01	9.32E-05
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PEN3_Trucks	28	75070	Acetaldehyde	2.40E-02	2.74E-06
PEN3_Trucks	28	107028	Acrolein	1.12E-02	1.27E-06
PEN3_Trucks	28	71432	Benzene	2.12E-01	2.42E-05
PEN3_Trucks	28	106990	1,3-Butadiene	4.72E-02	5.39E-06
PEN3_Trucks	28	100414	Ethylbenzene	9.02E-02	1.03E-05
PEN3_Trucks	28		Formaldehyde	1.36E-01	1.55E-05
PEN3_Trucks	28	110543	Hexane	1.37E-01	1.57E-05
PEN3_Trucks	28		Methanol	1.03E-02	1.18E-06
PEN3_Trucks	28	78933	Methyl Ethyl Ketone	1.72E-03	1.96E-07
PEN3_Trucks	28		Naphthalene	4.29E-03	4.90E-07
PEN3_Trucks	28		Propylene	2.63E-01	3.00E-05
PEN3_Trucks	28	100425	Styrene	1.03E-02	1.18E-06
PEN3_Trucks	28		Toluene	4.95E-01	5.65E-05
PEN3_Trucks	28	1330207	Xylenes	4.12E-01	4.70E-05
PEN4_Trucks	29	75070	Acetaldehyde	3.29E-02	3.76E-06
PEN4_Trucks	29		Acrolein	1.53E-02	1.75E-06
PEN4_Trucks	29	71432	Benzene	2.91E-01	3.32E-05
PEN4_Trucks	29	106990	1,3-Butadiene	6.47E-02	7.39E-06
PEN4_Trucks	29	100414	Ethylbenzene	1.24E-01	1.41E-05
PEN4_Trucks	29	50000	Formaldehyde	1.86E-01	2.12E-05
PEN4_Trucks	29	110543	Hexane	1.88E-01	2.15E-05
PEN4_Trucks	29	67561	Methanol	1.41E-02	1.61E-06
PEN4_Trucks	29	78933	Methyl Ethyl Ketone	2.35E-03	2.69E-07
PEN4_Trucks	29	91203	Naphthalene	5.88E-03	6.72E-07
PEN4_Trucks	29	115071	Propylene	3.60E-01	4.11E-05
PEN4_Trucks	29		Styrene	1.41E-02	1.61E-06
PEN4_Trucks	29	108883	Toluene	6.78E-01	7.74E-05
PEN4_Trucks	29	1330207	Xylenes	5.65E-01	6.45E-05
WTX1_Trucks	30	75070	Acetaldehyde	8.90E-03	1.02E-06
WTX1_Trucks	30	107028	Acrolein	4.13E-03	4.72E-07
WTX1_Trucks	30		Benzene	7.85E-02	8.97E-06
WTX1_Trucks	30		1,3-Butadiene	1.75E-02	2.00E-06
WTX1_Trucks	30		Ethylbenzene	3.34E-02	3.81E-06
WTX1_Trucks	30		Formaldehyde	5.02E-02	5.74E-06
WTX1_Trucks	30		Hexane	5.09E-02	5.81E-06
WTX1_Trucks	30		Methanol	3.82E-03	4.36E-07
WTX1_Trucks	30		Methyl Ethyl Ketone	6.36E-04	7.26E-08
WTX1_Trucks	30		Naphthalene	1.59E-03	1.82E-07
WTX1_Trucks	30		Propylene	9.73E-02	1.11E-05
WTX1_Trucks	30		Styrene	3.82E-03	4.36E-07
WTX1_Trucks	30		Toluene	1.83E-01	2.09E-05
WTX1_Trucks	30	1330207	· ·	1.53E-01	1.74E-05
BEK1_Trucks	31		Acetaldehyde	3.07E-02	3.51E-06
BEK1_Trucks	31		Acrolein	1.43E-02	1.63E-06
BEK1_Trucks	31		Benzene	2.71E-01	3.09E-05
BEK1_Trucks	31		1,3-Butadiene	6.03E-02	6.89E-06
BEK1_Trucks	31	100414	Ethylbenzene	1.15E-01	1.31E-05

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BEK1_Trucks	31		Formaldehyde	1.73E-01	1.98E-05
BEK1_Trucks	31	110543	Hexane	1.76E-01	2.00E-05
BEK1_Trucks	31	67561	Methanol	1.32E-02	1.50E-06
BEK1_Trucks	31	78933	Methyl Ethyl Ketone	2.19E-03	2.50E-07
BEK1_Trucks	31		Naphthalene	5.49E-03	6.26E-07
BEK1_Trucks	31	115071	Propylene	3.36E-01	3.83E-05
BEK1_Trucks	31		Styrene	1.32E-02	1.50E-06
BEK1_Trucks	31		Toluene	6.32E-01	7.21E-05
BEK1_Trucks	31	1330207	Xylenes	5.27E-01	6.01E-05
BEK2_Trucks	32		Acetaldehyde	3.07E-02	3.51E-06
BEK2_Trucks	32		Acrolein	1.43E-02	1.63E-06
BEK2_Trucks	32		Benzene	2.71E-01	3.09E-05
BEK2_Trucks	32		1,3-Butadiene	6.03E-02	6.89E-06
BEK2_Trucks	32		Ethylbenzene	1.15E-01	1.31E-05
BEK2_Trucks	32	50000	Formaldehyde	1.73E-01	1.98E-05
BEK2_Trucks	32		Hexane	1.76E-01	2.00E-05
BEK2_Trucks	32		Methanol	1.32E-02	1.50E-06
BEK2_Trucks	32		Methyl Ethyl Ketone	2.19E-03	2.50E-07
BEK2_Trucks	32		Naphthalene	5.49E-03	6.26E-07
BEK2_Trucks	32		Propylene	3.36E-01	3.83E-05
BEK2_Trucks	32		Styrene	1.32E-02	1.50E-06
BEK2_Trucks	32		Toluene	6.32E-01	7.21E-05
BEK2_Trucks	32	1330207		5.27E-01	6.01E-05
HY04_Cars	19		Acetaldehyde	2.23E-03	2.54E-07
COR3_Trucks	33		Acrolein	2.07E-03	2.36E-07
COR3_Trucks	33		Benzene	3.93E-02	4.48E-06
COR3_Trucks	33		1,3-Butadiene	8.74E-03	9.98E-07
COR3_Trucks	33		Ethylbenzene	1.67E-02	1.91E-06
COR3_Trucks	33		Formaldehyde	2.51E-02	2.87E-06
COR3_Trucks	33		Hexane	2.54E-02	2.90E-06
COR3_Trucks	33		Methanol	1.91E-03	
COR3_Trucks	33	78933	Methyl Ethyl Ketone	3.18E-04	3.63E-08
COR3_Trucks	33		Naphthalene	7.95E-04	9.08E-08
COR3_Trucks	33		Propylene	4.87E-02	5.55E-06
COR3_Trucks	33		Styrene	1.91E-03	2.18E-07
COR3_Trucks	33		Toluene	9.16E-02	1.05E-05
COR3_Trucks	33	1330207		7.63E-02	8.71E-06
BEK3_Trucks	34		Acetaldehyde	1.16E-02	1.32E-06
BEK3_Trucks	34		Acrolein	5.37E-03	6.13E-07
BEK3_Trucks	34		Benzene	1.02E-01	1.17E-05
BEK3_Trucks	34		1,3-Butadiene	2.27E-02	2.60E-06
BEK3_Trucks	34		Ethylbenzene	4.34E-02	4.96E-06
BEK3_Trucks	34		Formaldehyde	6.53E-02	7.46E-06
BEK3_Trucks	34		Hexane	6.61E-02	7.55E-06
BEK3_Trucks	34		Methanol	4.96E-03	5.66E-07
BEK3_Trucks	34		Methyl Ethyl Ketone	8.27E-04	9.44E-08
BEK3_Trucks	34		Naphthalene	2.07E-03	2.36E-07
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DEV2 Trucks	2.4	115071	Dronylono	1 24 5 01	1 //
BEK3_Trucks	34 34	100/1	Propylene Styrene	1.26E-01 4.96E-03	
BEK3_Trucks	34				
BEK3_Trucks BEK3_Trucks	34	1330207	Toluene	2.38E-01 1.98E-01	2.72E-05 2.27E-05
	35			4.45E-03	5.08E-07
BEK4_Trucks			Acetaldehyde		
BEK4_Trucks	35 35		Acrolein	2.07E-03	
BEK4_Trucks			Benzene	3.93E-02	
BEK4_Trucks	35 35		1,3-Butadiene	8.74E-03 1.67E-02	
BEK4_Trucks BEK4_Trucks	35		Ethylbenzene	2.51E-02	2.87E-06
BEK4_Trucks	35		Formaldehyde Hexane	2.54E-02	
BEK4_Trucks	35		Methanol	1.91E-03	
BEK4_Trucks	35			3.18E-04	3.63E-08
BEK4_Trucks	35		Methyl Ethyl Ketone Naphthalene	7.95E-04	
BEK4_Trucks	35		Propylene	4.87E-02	5.55E-06
BEK4_Trucks	35		Styrene	1.91E-03	
BEK4_Trucks	35		Toluene	9.16E-02	
BEK4_Trucks	35	1330207		7.63E-02	8.71E-06
BEK5_Trucks	36		Acetaldehyde	7.03E-02 7.12E-03	
BEK5_Trucks	36		Acrolein	3.31E-03	3.78E-07
BEK5_Trucks	36		Benzene	6.28E-02	7.17E-06
BEK5_Trucks	36		1,3-Butadiene	1.40E-02	
BEK5_Trucks	36		Ethylbenzene	2.67E-02	3.05E-06
BEK5_Trucks	36		Formaldehyde	4.02E-02	4.59E-06
BEK5_Trucks	36		Hexane	4.07E-02	4.65E-06
BEK5_Trucks	36		Methanol	3.05E-03	
BEK5_Trucks	36		Methyl Ethyl Ketone	5.09E-04	
BEK5_Trucks	36		Naphthalene	1.27E-03	
BEK5_Trucks	36		Propylene	7.78E-02	8.89E-06
BEK5_Trucks	36		Styrene	3.05E-03	3.48E-07
BEK5_Trucks	36	108883	Toluene	1.47E-01	
BEK5_Trucks	36	1330207		1.22E-01	1.39E-05
CBN1_Trucks	37	75070	Acetaldehyde	0.00E+00	0.00E+00
CBN1_Trucks	37		Acrolein	0.00E+00	0.00E+00
CBN1_Trucks	37	71432	Benzene	0.00E+00	0.00E+00
CBN1_Trucks	37	106990	1,3-Butadiene	0.00E+00	0.00E+00
CBN1_Trucks	37	100414	Ethylbenzene	0.00E+00	0.00E+00
CBN1_Trucks	37		Formaldehyde	0.00E+00	
CBN1_Trucks	37		Hexane	0.00E+00	
CBN1_Trucks	37		Methanol	0.00E+00	
CBN1_Trucks	37		Methyl Ethyl Ketone	0.00E+00	
CBN1_Trucks	37		Naphthalene	0.00E+00	
CBN1_Trucks	37		Propylene	0.00E+00	
CBN1_Trucks	37		Styrene	0.00E+00	
CBN1_Trucks	37		Toluene	0.00E+00	
CBN1_Trucks	37	1330207		0.00E+00	
CBN2_Trucks	38	75070	Acetaldehyde	0.00E+00	0.00E+00

CBN2_Trucks	38	107028	Acrolein	0.00E+00	0.00E+00
CBN2_Trucks	38	71432	Benzene	0.00E+00	0.00E+00
CBN2_Trucks	38	106990	1,3-Butadiene	0.00E+00	0.00E+00
CBN2_Trucks	38	100414	Ethylbenzene	0.00E+00	0.00E+00
CBN2_Trucks	38		Formaldehyde	0.00E+00	0.00E+00
CBN2_Trucks	38		Hexane	0.00E+00	0.00E+00
CBN2_Trucks	38	67561	Methanol	0.00E+00	0.00E+00
CBN2_Trucks	38	78933	Methyl Ethyl Ketone	0.00E+00	0.00E+00
CBN2_Trucks	38		Naphthalene	0.00E+00	0.00E+00
CBN2_Trucks	38		Propylene	0.00E+00	0.00E+00
CBN2_Trucks	38	100425	Styrene	0.00E+00	0.00E+00
CBN2_Trucks	38	108883	Toluene	0.00E+00	0.00E+00
CBN2_Trucks	38	1330207	Xylenes	0.00E+00	0.00E+00
HY03_Trucks	39	75070	Acetaldehyde	2.63E-02	3.00E-06
HY03_Trucks	39	107028	Acrolein	1.22E-02	1.39E-06
HY03_Trucks	39		Benzene	2.32E-01	2.65E-05
HY03_Trucks	39		1,3-Butadiene	5.16E-02	5.89E-06
HY03_Trucks	39		Ethylbenzene	9.85E-02	1.12E-05
HY03_Trucks	39	50000	Formaldehyde	1.48E-01	1.69E-05
HY03_Trucks	39	110543	Hexane	1.50E-01	1.71E-05
HY03_Trucks	39		Methanol	1.13E-02	1.29E-06
HY03_Trucks	39		Methyl Ethyl Ketone	1.88E-03	2.14E-07
HY03_Trucks	39		Naphthalene	4.69E-03	5.35E-07
HY03_Trucks	39		Propylene	2.87E-01	3.28E-05
HY03_Trucks	39		Styrene	1.13E-02	1.29E-06
HY03_Trucks	39		Toluene	5.40E-01	6.17E-05
HY03_Trucks	39	1330207		4.50E-01	5.14E-05
HY04_Trucks	40		Acetaldehyde	2.23E-03	2.54E-07
HY04_Trucks	40		Acrolein	1.03E-03	1.18E-07
HY04_Trucks	40		Benzene	1.96E-02	2.24E-06
HY04_Trucks	40		1,3-Butadiene	4.37E-03	
HY04_Trucks	40		Ethylbenzene	8.35E-03	9.53E-07
HY04_Trucks	40		Formaldehyde	1.26E-02	1.43E-06
HY04_Trucks	40		Hexane	1.27E-02	1.45E-06
HY04_Trucks	40		Methanol	9.54E-04	1.09E-07
HY04_Trucks	40		Methyl Ethyl Ketone	1.59E-04	1.82E-08
HY04_Trucks	40		Naphthalene	3.97E-04	4.54E-08
HY04_Trucks	40		Propylene	2.43E-02	2.78E-06
HY04_Trucks	40		Styrene	9.54E-04	1.09E-07
HY04_Trucks	40		Toluene	4.58E-02	5.23E-06
HY04_Trucks	40	1330207	,	3.82E-02	4.36E-06
HY05_Trucks	41		Acetaldehyde	3.38E-02	3.86E-06
HY05_Trucks	41		Acrolein	1.57E-02	1.79E-06
HY05_Trucks	41		Benzene	2.98E-01	3.41E-05
HY05_Trucks	41		1,3-Butadiene	6.65E-02	7.59E-06
HY05_Trucks	41		Ethylbenzene	1.27E-01	1.45E-05
HY05_Trucks	41	50000	Formaldehyde	1.91E-01	2.18E-05

HY05_Trucks	41	110543	Hexane	1.93E-01	2.21E-05
HY05_Trucks	41	67561	Methanol	1.45E-02	1.66E-06
HY05_Trucks	41	78933	Methyl Ethyl Ketone	2.42E-03	2.76E-07
HY05_Trucks	41	91203	Naphthalene	6.04E-03	6.90E-07
HY05_Trucks	41	115071	Propylene	3.70E-01	4.22E-05
HY05_Trucks	41	100425	Styrene	1.45E-02	1.66E-06
HY05_Trucks	41	108883	Toluene	6.96E-01	7.95E-05
HY05_Trucks	41	1330207	Xylenes	5.80E-01	6.62E-05
HY06_Trucks	42	75070	Acetaldehyde	4.67E-02	5.34E-06
HY06_Trucks	42	107028	Acrolein	2.17E-02	2.48E-06
HY06_Trucks	42	71432	Benzene	4.12E-01	4.71E-05
HY06_Trucks	42	106990	1,3-Butadiene	9.18E-02	1.05E-05
HY06_Trucks	42	100414	Ethylbenzene	1.75E-01	2.00E-05
HY06_Trucks	42	50000	Formaldehyde	2.64E-01	3.01E-05
HY06_Trucks	42	110543	Hexane	2.67E-01	3.05E-05
HY06_Trucks	42	67561	Methanol	2.00E-02	2.29E-06
HY06_Trucks	42	78933	Methyl Ethyl Ketone	3.34E-03	3.81E-07
HY06_Trucks	42	91203	Naphthalene	8.35E-03	9.53E-07
HY06_Trucks	42	115071	Propylene	5.11E-01	5.83E-05
HY06_Trucks	42	100425	Styrene	2.00E-02	2.29E-06
HY06_Trucks	42	108883	Toluene	9.62E-01	1.10E-04
HY06_Trucks	42	1330207	Xylenes	8.01E-01	9.15E-05

HARP2 Emission Inputs (Alternative 2 - Unmitigated)

	inputs (Afternativ	<u> </u>		(Full Build C	ps - Onsite)
SRC ID	SRC No.	CAS	Pollutant	lb/yr	lb/hr
GEN_A	1	9901	DieselExhPM	3.37E+00	0.00E+00
GEN_B	2	9901	DieselExhPM	3.37E+00	0.00E+00
GEN_C	3	9901	DieselExhPM	3.37E+00	0.00E+00
FWP_A	2	9901	DieselExhPM	3.37E+00	0.00E+00
FWP_B	3	9901	DieselExhPM	3.37E+00	0.00E+00
FWP_C	4	9901	DieselExhPM	3.37E+00	0.00E+00
TRU_A	3	9901	DieselExhPM	1.51E+02	0.00E+00
TRU_B	4	9901	DieselExhPM	1.57E+02	0.00E+00
TRU_C	5	9901	DieselExhPM	1.49E+02	0.00E+00
FLA	4	9901	DieselExhPM	3.93E+01	0.00E+00
FLB	5	9901	DieselExhPM	3.93E+01	0.00E+00
FLC	6	9901	DieselExhPM	3.93E+01	0.00E+00
CARS	5	9901	DieselExhPM	1.40E+00	0.00E+00
TRUCKS	6	9901	DieselExhPM	1.97E+00	0.00E+00
CARS	5	75070	Acetaldehyde	4.76E-01	5.43E-05
CARS	5	107028	Acrolein	2.21E-01	2.52E-05
CARS	5	71432	Benzene	4.20E+00	4.79E-04
CARS	5	106990	1,3-Butadiene	9.35E-01	1.07E-04
CARS	5	100414	Ethylbenzene	1.79E+00	2.04E-04
CARS	5	50000	Formaldehyde	2.69E+00	3.07E-04
CARS	5	110543	Hexane	2.72E+00	3.11E-04
CARS	5	67561	Methanol	2.04E-01	2.33E-05
CARS	5	78933	Methyl Ethyl Ketone	3.40E-02	3.88E-06
CARS	5	91203	Naphthalene	8.50E-02	9.70E-06
CARS	5	115071	Propylene	5.20E+00	5.94E-04
CARS	5		Styrene	2.04E-01	2.33E-05
CARS	5	108883	Toluene	9.79E+00	1.12E-03
CARS	5	1330207	Xylenes	8.16E+00	9.32E-04
TRUCKS	6	75070	Acetaldehyde	1.82E-01	2.08E-05
TRUCKS	6	107028	Acrolein	8.47E-02	9.67E-06
TRUCKS	6	71432	Benzene	1.61E+00	1.84E-04
TRUCKS	6	106990	1,3-Butadiene	3.58E-01	4.09E-05
TRUCKS	6	100414	Ethylbenzene	6.84E-01	7.81E-05
TRUCKS	6	50000	Formaldehyde	1.03E+00	1.17E-04
TRUCKS	6	110543	Hexane	1.04E+00	1.19E-04
TRUCKS	6	67561	Methanol	7.82E-02	8.92E-06
TRUCKS	6	78933	Methyl Ethyl Ketone	1.30E-02	1.49E-06
TRUCKS	6		Naphthalene	3.26E-02	3.72E-06
TRUCKS	6	115071	Propylene	1.99E+00	2.28E-04
TRUCKS	6		Styrene	7.82E-02	8.92E-06
TRUCKS	6	108883	Toluene	3.75E+00	4.28E-04
TRUCKS	6	1330207	Xylenes	3.13E+00	3.57E-04

Mitigated	Proposed Project - Construction						
	2024	2025	2026				
Source	Total PM2.5 (ton/yr)	Total PM2.5 (ton/yr)	Total PM2.5 (ton/yr)				
Phase 1	0.319	•	•				
Offsite	0.018	-	-				
Phase 2	0.004	0.007	-				
Phase 3	1	0.000	0.011				
Const Trucks	0.013	0.020	0.013				
Const Cars	0.031	0.048	0.032				

Mitigated	Reduced Footprint - Construction					
	2024	2025	2026			
Source	Total PM2.5 (ton/yr)	Total PM2.5 (ton/yr)	Total PM2.5 (ton/yr)			
Phase 1	0.267	-	-			
Offsite	0.012	-	-			
Phase 2	0.007	0.000	•			
Phase 3	-	0.006	0.004			
Const Trucks	0.010	0.007	0.006			
Const Cars	0.025	0.017	0.015			

Mitigated	% Difference - Construction				
	2024	2025	2026		
Course	Total PM2.5	Total PM2.5	Total PM2.5		
Source	(ton/yr)	(ton/yr)	(ton/yr)		
Phase 1	-16%	-	-		
Offsite	-34%	-	-		
Phase 2	73%	-100%	-		
Phase 3	-	100%	-59%		
Const Trucks	-25%	-65%	-54%		
Const Cars	-17%	-66%	-52%		

Mitigated	Annual PM2.5 Conc. (ug/m3)								
wiitigateu				Allitual Fiviz	2024	3)			
Source	% Diff Total PM2.5 (ton/yr)	Project - Resident	Est. Reduced Footprint - Resident	Project - Worker	Est. Reduced Footprint - Worker	Project - Student	Est. Reduced Footprint - Student	Project - Child	Est. Reduced Footprint - Child
Phase 1	-16%	0.0440	0.0369	0.2080	0.1744	0.0250	0.0210	0.0150	
Offsite	-34%	0.0010	0.0007	0.0090	0.0059	0.0010	0.0007	0.0010	0.0007
Phase 2	73%	0.0020	0.0005	0.0030	0.0008	0.0010	0.0003	0.0010	0.0003
Phase 3	-		-		-		-		-
Const Trucks	-25%	0.0002	0.0002	0.0010	0.0008	0.0002	0.0002	0.0002	0.0002
Const Cars	-17%	0.0010	0.0008	0.0020	0.0017	0.0010	0.0008	0.0003	0.0002
Sum		0.048	0.039	0.223	0.184	0.028	0.023	0.018	0.014
L	<u>. </u>		0.8108		0.8233			ı	
Mitigated			•	Annual PM2	2.5 Conc. (ug/m	3)			
					2025				
Source	% Diff Total PM2.5 (ton/yr)	Project - Resident	Est. Reduced Footprint - Resident	Project - Worker	Est. Reduced Footprint - Worker	Project - Student	Est. Reduced Footprint - Student	Project - Child	Est. Reduced Footprint - Child
Phase 1	-		-		-		-		-
Offsite	-		-		-		-		-
Phase 2	-100%	0.0020	0.0000	0.0020	0.0000	0.0010	0.0000	0.0020	0.0000
Phase 3	100%	0.0010	0.0000		0.0000		0.0000		0.0000
Const Trucks	-65%	0.0002	0.0001	0.0020	0.0007	0.0007	0.0002	0.0005	0.0002
Const Cars	-66%	0.0010	0.0003	0.0050	0.0017	0.0010	0.0003	0.0009	0.0003
Sum		0.004	0.0004	0.009	0.002	0.003	0.001	0.003	0.0005
Mitigated				Annual PM2	2.5 Conc. (ug/m	3)			
			I	1	2026	I	1	ı	I
Source	% Diff Total PM2.5 (ton/yr)	Project - Resident	Est. Reduced Footprint - Resident	Project - Worker	Est. Reduced Footprint - Worker	Project - Student	Est. Reduced Footprint - Student	Project - Child	Est. Reduced Footprint - Child
Phase 1	-		-		-		-		-
Offsite	-		-		-		-		-
Phase 2	-		-		-		-		-
Phase 3	-59%	0.0010	0.0004	0.0070	0.0029	0.0005	0.0002	0.0004	0.0002
Const Trucks	-54%	0.0004	0.0002	0.0010	0.0005	0.0003	0.0001	0.0002	0.0001
Const Cars	-52%	0.0010	0.0005	0.0020	0.0010	0.0010	0.0005	0.0004	0.0002
Sum		0.002	0.001	0.010	0.004	0.002	0.001	0.001	0.0004

HARP2 Emission Inputs (Mitigated - Alternative 2)

HARP2 EMISSION IN	ipats (iviitig	ated 711tel	Thative 2)	20	24
SRC ID	SRC No.	CAS	Pollutant	lb/yr	lb/hr
DEMO	1	9901	DieselExhPM	2.53E+02	0.00E+00
CONST_PHASE1	2	9901	DieselExhPM	5.92E+01	0.00E+00
CONST_OFFSITE	3	9901	DieselExhPM	1.58E+01	0.00E+00
PEN1	4	9901	DieselExhPM	1.15E-01	0.00E+00
COR2	5	9901	DieselExhPM	1.46E-01	0.00E+00
PEN2	6	9901	DieselExhPM	7.08E-02	0.00E+00
PEN3	7	9901	DieselExhPM	5.93E-02	0.00E+00
PEN4	8	9901	DieselExhPM	5.95E-02	0.00E+00
HY03	9	9901	DieselExhPM	1.17E-01	0.00E+00
HY04	10	9901	DieselExhPM	1.17E-01	0.00E+00
HY05	11	9901	DieselExhPM	1.04E-01	0.00E+00
HY06	12	9901	DieselExhPM	1.04E-01	0.00E+00
PEN5	13	9901	DieselExhPM	6.76E-02	0.00E+00
PEN6	14	9901	DieselExhPM	6.78E-02	0.00E+00
PEN1_TRK	15	9901	DieselExhPM	8.46E-02	0.00E+00
COR2_TRK	16	9901	DieselExhPM	1.08E-01	0.00E+00
PEN2_TRK	17	9901	DieselExhPM	5.23E-02	0.00E+00
PEN3_TRK	18	9901	DieselExhPM	4.38E-02	0.00E+00
PEN4_TRK	19	9901	DieselExhPM	4.40E-02	0.00E+00
HY03_TRK	20	9901	DieselExhPM	8.61E-02	0.00E+00
HY04_TRK	21	9901	DieselExhPM	8.64E-02	0.00E+00
HY05_TRK	22	9901	DieselExhPM	7.69E-02	0.00E+00
HY06_TRK	23	9901	DieselExhPM	7.72E-02	0.00E+00
PEN5_TRK	24	9901	DieselExhPM	4.99E-02	0.00E+00
PEN6_TRK	25	9901	DieselExhPM	5.01E-02	0.00E+00
PEN1	4	75070	Acetaldehyde	5.43E-03	6.20E-07
PEN1	4	107028	Acrolein	2.52E-03	2.88E-07
PEN1	4	71432	Benzene	4.79E-02	5.47E-06
PEN1	4	106990	1,3-Butadiene	1.07E-02	1.22E-06
PEN1	4	100414	Ethylbenzene	2.04E-02	2.33E-06
PEN1	4	50000	Formaldehyde	3.07E-02	3.50E-06
PEN1	4		Hexane	3.10E-02	
PEN1	4		Methanol	2.33E-03	2.66E-07
PEN1	4		Methyl Ethyl Ketone	3.88E-04	
PEN1	4		Naphthalene	9.70E-04	
PEN1	4		Propylene	5.94E-02	6.78E-06
PEN1	4		Styrene	2.33E-03	
PEN1	4		Toluene	1.12E-01	1.28E-05
PEN1	4	1330207	Ž	9.31E-02	1.06E-05
COR2	5		Acetaldehyde	6.90E-03	
COR2	5		Acrolein	3.20E-03	3.66E-07
COR2	5		Benzene	6.09E-02	
COR2	5		1,3-Butadiene	1.36E-02	
COR2	5	100414	Ethylbenzene	2.59E-02	2.95E-06

			_		
COR2	5	50000	Formaldehyde	3.89E-02	4.44E-06
COR2	5	110543	Hexane	3.94E-02	4.50E-06
COR2	5	67561	Methanol	2.96E-03	3.38E-07
COR2	5	78933	Methyl Ethyl Ketone	4.93E-04	5.63E-08
COR2	5		Naphthalene	1.23E-03	1.41E-07
COR2	5		Propylene	7.54E-02	8.61E-06
COR2	5		Styrene	2.96E-03	3.38E-07
COR2	5		Toluene	1.42E-01	1.62E-05
COR2	5	1330207		1.18E-01	1.35E-05
PEN2	6		Acetaldehyde	3.36E-03	3.83E-07
PEN2	6		Acrolein	1.56E-03	1.78E-07
PEN2	6		Benzene	2.96E-02	3.38E-06
PEN2	6		1,3-Butadiene	6.59E-03	7.52E-07
PEN2	6		Ethylbenzene	1.26E-02	1.44E-06
PEN2	6			1.89E-02	2.16E-06
			Formaldehyde		
PEN2 PEN2	6		Hexane Methanol	1.92E-02 1.44E-03	2.19E-06 1.64E-07
PEN2	6		Methyl Ethyl Ketone	2.40E-04	2.74E-08
PEN2	6		Naphthalene	5.99E-04	6.84E-08
PEN2	6		Propylene	3.67E-02	4.19E-06
PEN2	6		Styrene	1.44E-03	1.64E-07
PEN2	6		Toluene	6.90E-02	7.88E-06
PEN2	6	1330207	3	5.75E-02	6.57E-06
PEN3	7		Acetaldehyde	2.81E-03	3.21E-07
PEN3	7		Acrolein	1.31E-03	1.49E-07
PEN3	7		Benzene	2.48E-02	2.83E-06
PEN3	7		1,3-Butadiene	5.53E-03	6.31E-07
PEN3	7		Ethylbenzene	1.06E-02	1.20E-06
PEN3	7		Formaldehyde	1.59E-02	1.81E-06
PEN3	7	110543	Hexane	1.61E-02	1.84E-06
PEN3	7		Methanol	1.21E-03	1.38E-07
PEN3	7	78933	Methyl Ethyl Ketone	2.01E-04	2.29E-08
PEN3	7	91203	Naphthalene	5.02E-04	5.73E-08
PEN3	7		Propylene	3.07E-02	3.51E-06
PEN3	7	100425	Styrene	1.21E-03	1.38E-07
PEN3	7		Toluene	5.79E-02	6.61E-06
PEN3	7	1330207	Xylenes	4.82E-02	5.51E-06
PEN4	8	75070	Acetaldehyde	2.82E-03	3.22E-07
PEN4	8	107028	Acrolein	1.31E-03	1.50E-07
PEN4	8		Benzene	2.49E-02	2.84E-06
PEN4	8		1,3-Butadiene	5.54E-03	6.33E-07
PEN4	8		Ethylbenzene	1.06E-02	1.21E-06
PEN4	8		Formaldehyde	1.59E-02	1.82E-06
PEN4	8		Hexane	1.61E-02	1.84E-06
PEN4	8		Methanol	1.21E-03	1.38E-07
PEN4	8		Methyl Ethyl Ketone	2.02E-04	2.30E-08
PEN4	8		Naphthalene	5.04E-04	5.75E-08
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PEN4	8	115071	Propylene	3.08E-02	3.52E-06
PEN4	8	100425	Styrene	1.21E-03	1.38E-07
PEN4	8		Toluene	5.80E-02	6.63E-06
PEN4	8	1330207		4.84E-02	5.52E-06
HY03	9		Acetaldehyde	5.53E-03	6.31E-07
HY03	9		Acrolein	2.57E-03	2.93E-07
HY03	9		Benzene	4.88E-02	5.57E-06
HY03	9		1,3-Butadiene	1.09E-02	1.24E-06
HY03	9		Ethylbenzene	2.07E-02	2.37E-06
HY03	9		Formaldehyde	3.12E-02	3.56E-06
HY03	9		Hexane	3.16E-02	3.61E-06
HY03	9		Methanol	2.37E-03	2.70E-07
HY03	9		Methyl Ethyl Ketone	3.95E-04	4.51E-08
HY03	9		Naphthalene	9.87E-04	1.13E-07
HY03	9		Propylene	6.04E-02	6.90E-06
	9				
HY03 HY03	9		Styrene Toluene	2.37E-03 1.14E-01	2.70E-07 1.30E-05
HY03	9	1330207	•	9.48E-02	1.08E-05
HY04	10		Acetaldehyde	5.54E-03	6.33E-07
HY04	10		Acrolein	2.57E-03	2.94E-07
HY04	10		Benzene	4.89E-02	5.58E-06
HY04	10		1,3-Butadiene	1.09E-02	1.24E-06
HY04	10		Ethylbenzene	2.08E-02	2.37E-06
HY04	10		Formaldehyde	3.13E-02	3.57E-06
HY04	10		Hexane	3.17E-02	3.62E-06
HY04	10		Methanol	2.38E-03	2.71E-07
HY04	10		Methyl Ethyl Ketone	3.96E-04	4.52E-08
HY04	10		Naphthalene	9.90E-04	1.13E-07
HY04	10		Propylene	6.06E-02	6.92E-06
HY04	10		Styrene	2.38E-03	2.71E-07
HY04	10		Toluene	1.14E-01	1.30E-05
HY04	10	1330207	Xylenes	9.50E-02	1.08E-05
HY05	11	75070	Acetaldehyde	4.94E-03	5.64E-07
HY05	11	107028	Acrolein	2.29E-03	2.62E-07
HY05	11	71432	Benzene	4.35E-02	4.97E-06
HY05	11	106990	1,3-Butadiene	9.70E-03	1.11E-06
HY05	11	100414	Ethylbenzene	1.85E-02	2.11E-06
HY05	11	50000	Formaldehyde	2.79E-02	3.18E-06
HY05	11	110543	Hexane	2.82E-02	3.22E-06
HY05	11	67561	Methanol	2.12E-03	2.42E-07
HY05	11	78933	Methyl Ethyl Ketone	3.53E-04	4.03E-08
HY05	11		Naphthalene	8.81E-04	1.01E-07
HY05	11		Propylene	5.39E-02	6.16E-06
HY05	11		Styrene	2.12E-03	2.42E-07
HY05	11		Toluene	1.02E-01	1.16E-05
HY05	11	1330207		8.46E-02	9.66E-06
HY06	12		Acetaldehyde	4.95E-03	5.65E-07
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HY06	12	107028	Acrolein	2.30E-03	2.62E-07
HY06	12		Benzene	4.37E-02	4.99E-06
HY06	12		1,3-Butadiene	9.73E-03	1.11E-06
HY06	12		Ethylbenzene	1.86E-02	2.12E-06
HY06	12		Formaldehyde	2.79E-02	3.19E-06
HY06	12		Hexane	2.83E-02	3.23E-06
HY06	12		Methanol	2.12E-03	
HY06	12		Methyl Ethyl Ketone	3.54E-04	4.04E-08
HY06	12		Naphthalene	8.84E-04	1.01E-07
HY06	12		Propylene	5.41E-02	6.18E-06
HY06	12		Styrene	2.12E-03	2.42E-07
HY06	12		Toluene	1.02E-01	1.16E-05
HY06	12	1330207	Xylenes	8.49E-02	9.69E-06
PEN5	13	75070	Acetaldehyde	3.21E-03	3.66E-07
PEN5	13	107028	Acrolein	1.49E-03	1.70E-07
PEN5	13	71432	Benzene	2.83E-02	3.23E-06
PEN5	13	106990	1,3-Butadiene	6.30E-03	7.19E-07
PEN5	13	100414	Ethylbenzene	1.20E-02	1.37E-06
PEN5	13		Formaldehyde	1.81E-02	2.06E-06
PEN5	13	110543	Hexane	1.83E-02	2.09E-06
PEN5	13	67561	Methanol	1.37E-03	1.57E-07
PEN5	13	78933	Methyl Ethyl Ketone	2.29E-04	2.61E-08
PEN5	13		Naphthalene	5.72E-04	6.53E-08
PEN5	13	115071	Propylene	3.50E-02	4.00E-06
PEN5	13	100425	Styrene	1.37E-03	1.57E-07
PEN5	13		Toluene	6.59E-02	7.53E-06
PEN5	13	1330207	Xylenes	5.49E-02	6.27E-06
PEN6	14		Acetaldehyde	3.22E-03	3.67E-07
PEN6	14		Acrolein	1.49E-03	
PEN6	14		Benzene	2.84E-02	3.24E-06
PEN6	14		1,3-Butadiene	6.32E-03	
PEN6	14		Ethylbenzene	1.21E-02	
PEN6	14		Formaldehyde	1.81E-02	2.07E-06
PEN6	14		Hexane	1.84E-02	
PEN6	14		Methanol	1.38E-03	1.57E-07
PEN6	14		Methyl Ethyl Ketone	2.30E-04	2.62E-08
PEN6	14		Naphthalene	5.74E-04	6.55E-08
PEN6	14		Propylene	3.51E-02	4.01E-06
PEN6	14		Styrene	1.38E-03	1.57E-07
PEN6	14		Toluene	6.61E-02	7.55E-06
PEN6	14	1330207	Xylenes	5.51E-02	6.29E-06

HARP2 Emission Inputs (Mitigated - Alternative 2)

HARFZ EIIIISSIOITII	ipats (iviitig	ated 7tites	Thative 2)	20	25
SRC ID	SRC No.	CAS	Pollutant	lb/yr	lb/hr
CONST_PHASE1	2	9901	DieselExhPM	0.00E+00	0.00E+00
PEN1	4	9901	DieselExhPM	5.99E-02	0.00E+00
COR2	5	9901	DieselExhPM	7.61E-02	0.00E+00
PEN2	6	9901	DieselExhPM	3.70E-02	0.00E+00
PEN3	7	9901	DieselExhPM	3.10E-02	0.00E+00
PEN4	8	9901	DieselExhPM	3.11E-02	0.00E+00
HY03	9	9901	DieselExhPM	6.10E-02	0.00E+00
HY04	10	9901	DieselExhPM	6.12E-02	0.00E+00
HY05	11	9901	DieselExhPM	5.45E-02	0.00E+00
HY06	12	9901	DieselExhPM	5.46E-02	0.00E+00
PEN5	13	9901	DieselExhPM	3.54E-02	0.00E+00
PEN6	14	9901	DieselExhPM	3.55E-02	0.00E+00
PEN1_TRK	15	9901	DieselExhPM	6.76E-02	0.00E+00
COR2_TRK	16	9901	DieselExhPM	8.58E-02	0.00E+00
PEN2_TRK	17	9901	DieselExhPM	4.17E-02	0.00E+00
PEN3_TRK	18	9901	DieselExhPM	3.50E-02	0.00E+00
PEN4_TRK	19	9901	DieselExhPM	3.51E-02	0.00E+00
HY03_TRK	20	9901	DieselExhPM	6.88E-02	0.00E+00
HY04_TRK	21		DieselExhPM	6.90E-02	0.00E+00
HY05_TRK	22	9901	DieselExhPM	6.14E-02	0.00E+00
HY06_TRK	23	9901	DieselExhPM	6.16E-02	0.00E+00
PEN5_TRK	24	9901	DieselExhPM	3.99E-02	0.00E+00
PEN6_TRK	25		DieselExhPM	4.00E-02	0.00E+00
PEN1	4	75070	Acetaldehyde	3.48E-03	3.97E-07
PEN1	4	107028	Acrolein	1.61E-03	1.84E-07
PEN1	4		Benzene	3.07E-02	3.50E-06
PEN1	4		1,3-Butadiene	6.83E-03	
PEN1	4		Ethylbenzene	1.30E-02	
PEN1	4		Formaldehyde	1.96E-02	
PEN1	4		Hexane	1.99E-02	
PEN1	4		Methanol	1.49E-03	
PEN1	4		Methyl Ethyl Ketone	2.48E-04	
PEN1	4		Naphthalene	6.21E-04	
PEN1	4		Propylene	3.80E-02	
PEN1	4		Styrene	1.49E-03	
PEN1	4		Toluene	7.15E-02	8.17E-06
PEN1	4	1330207	•	5.96E-02	6.80E-06
COR2	5		Acetaldehyde	4.42E-03	
COR2	5		Acrolein	2.05E-03	2.34E-07
COR2	5		Benzene	3.90E-02	
COR2	5		1,3-Butadiene	8.68E-03	9.90E-07
COR2	5		Ethylbenzene	1.66E-02	1.89E-06
COR2	5		Formaldehyde	2.49E-02	
COR2	5	110543	Hexane	2.52E-02	2.88E-06

COR2	5	67561	Methanol	1.89E-03	2.16E-07
COR2	5	78933	Methyl Ethyl Ketone	3.15E-04	3.60E-08
COR2	5		Naphthalene	7.89E-04	9.00E-08
COR2	5		Propylene	4.83E-02	5.51E-06
COR2	5		Styrene	1.89E-03	2.16E-07
COR2	5		Toluene	9.09E-02	1.04E-05
COR2	5	1330207		7.57E-02	8.64E-06
PEN2	6		Acetaldehyde	2.15E-03	2.45E-07
PEN2	6		Acrolein	9.97E-04	1.14E-07
PEN2	6		Benzene	1.89E-02	2.16E-06
PEN2	6		1,3-Butadiene	4.22E-03	4.82E-07
PEN2	6		Ethylbenzene	8.05E-03	9.19E-07
PEN2	6		Formaldehyde	1.21E-02	1.38E-06
PEN2	6		Hexane	1.23E-02	1.40E-06
PEN2	6		Methanol	9.20E-04	1.46E 00
PEN2	6		Methyl Ethyl Ketone	1.53E-04	1.75E-08
PEN2	6		Naphthalene	3.83E-04	4.38E-08
PEN2	6		Propylene	2.35E-02	2.68E-06
PEN2	6		Styrene	9.20E-04	1.05E-07
PEN2	6		Toluene	4.42E-02	5.04E-06
PEN2	6	1330207		3.68E-02	4.20E-06
PEN3	7		Acetaldehyde	1.80E-03	2.06E-07
PEN3	7		Acrolein	8.36E-04	9.54E-08
PEN3	7		Benzene	1.59E-02	1.81E-06
PEN3	7		1,3-Butadiene	3.54E-03	4.04E-07
PEN3	7		Ethylbenzene	6.75E-03	7.71E-07
PEN3	7		Formaldehyde	1.02E-02	1.16E-06
PEN3	7		Hexane	1.02L-02 1.03E-02	1.17E-06
PEN3	7		Methanol	7.72E-04	8.81E-08
PEN3	7		Methyl Ethyl Ketone	1.29E-04	1.47E-08
PEN3	7		Naphthalene	3.22E-04	
PEN3	7		Propylene	1.97E-02	
PEN3	7		Styrene	7.72E-04	8.81E-08
PEN3	7		Toluene	3.70E-02	4.23E-06
PEN3	7	1330207		3.70E-02 3.09E-02	3.52E-06
PEN4	8		Acetaldehyde	1.81E-03	2.06E-07
PEN4	8		Acrolein	8.39E-04	9.57E-08
PEN4	8		Benzene	1.59E-02	1.82E-06
PEN4	8		1,3-Butadiene	3.55E-03	4.05E-07
PEN4	8		Ethylbenzene	6.77E-03	7.73E-07
PEN4	8		Formaldehyde	1.02E-02	1.16E-06
PEN4	8		Hexane	1.02E-02 1.03E-02	1.18E-06
PEN4	8		Methanol	7.74E-04	
PEN4	8				8.84E-08
PEN4	8		Methyl Ethyl Ketone	1.29E-04	1.47E-08
PEN4	8		Naphthalene Propylene	3.23E-04	3.68E-08
PEN4	8		Styrene	1.97E-02 7.74E-04	2.25E-06 8.84E-08
PEN4	8	100425	or Ar Gring	7.74E-U4	0.04E-UŎ

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PEN4	8		Toluene	3.72E-02	4.24E-06
PEN4	8	1330207	,	3.10E-02	3.53E-06
HY03	9		Acetaldehyde	3.54E-03	4.04E-07
HY03	9	107028	Acrolein	1.64E-03	1.88E-07
HY03	9	71432	Benzene	3.12E-02	3.56E-06
HY03	9	106990	1,3-Butadiene	6.95E-03	7.93E-07
HY03	9	100414	Ethylbenzene	1.33E-02	1.51E-06
HY03	9	50000	Formaldehyde	2.00E-02	2.28E-06
HY03	9	110543	Hexane	2.02E-02	2.31E-06
HY03	9	67561	Methanol	1.52E-03	1.73E-07
HY03	9	78933	Methyl Ethyl Ketone	2.53E-04	2.88E-08
HY03	9		Naphthalene	6.32E-04	7.21E-08
HY03	9	115071	Propylene	3.87E-02	4.41E-06
HY03	9	100425	Styrene	1.52E-03	1.73E-07
HY03	9	108883	Toluene	7.28E-02	8.31E-06
HY03	9	1330207	Xylenes	6.06E-02	6.92E-06
HY04	10	75070	Acetaldehyde	3.55E-03	4.05E-07
HY04	10	107028	Acrolein	1.65E-03	1.88E-07
HY04	10	71432	Benzene	3.13E-02	3.57E-06
HY04	10	106990	1,3-Butadiene	6.97E-03	7.96E-07
HY04	10		Ethylbenzene	1.33E-02	1.52E-06
HY04	10		Formaldehyde	2.00E-02	2.29E-06
HY04	10	110543	Hexane	2.03E-02	2.31E-06
HY04	10	67561	Methanol	1.52E-03	1.74E-07
HY04	10	78933	Methyl Ethyl Ketone	2.53E-04	2.89E-08
HY04	10	91203	Naphthalene	6.34E-04	7.23E-08
HY04	10		Propylene	3.88E-02	4.43E-06
HY04	10	100425	Styrene	1.52E-03	1.74E-07
HY04	10	108883	Toluene	7.30E-02	8.33E-06
HY04	10	1330207	Xylenes	6.08E-02	6.94E-06
HY05	11	75070	Acetaldehyde	3.16E-03	3.61E-07
HY05	11	107028	Acrolein	1.47E-03	
HY05	11	71432	Benzene	2.79E-02	3.18E-06
HY05	11	106990	1,3-Butadiene	6.21E-03	7.08E-07
HY05	11	100414	Ethylbenzene	1.18E-02	1.35E-06
HY05	11	50000	Formaldehyde	1.78E-02	2.04E-06
HY05	11		Hexane	1.81E-02	2.06E-06
HY05	11	67561	Methanol	1.35E-03	1.55E-07
HY05	11	78933	Methyl Ethyl Ketone	2.26E-04	2.58E-08
HY05	11	91203	Naphthalene	5.64E-04	6.44E-08
HY05	11	115071	Propylene	3.45E-02	3.94E-06
HY05	11	100425	Styrene	1.35E-03	1.55E-07
HY05	11	108883	Toluene	6.50E-02	7.42E-06
HY05	11	1330207	Xylenes	5.42E-02	6.18E-06
HY06	12	75070	Acetaldehyde	3.17E-03	3.62E-07
HY06	12	107028	Acrolein	1.47E-03	1.68E-07
HY06	12	71432	Benzene	2.80E-02	3.19E-06
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HY06	12	106990	1,3-Butadiene	6.23E-03	7.11E-07
HY06	12		Ethylbenzene	1.19E-02	1.36E-06
HY06	12		Formaldehyde	1.79E-02	2.04E-06
HY06	12		Hexane	1.81E-02	2.07E-06
HY06	12		Methanol	1.36E-03	1.55E-07
HY06	12		Methyl Ethyl Ketone	2.26E-04	2.58E-08
HY06	12		Naphthalene	5.66E-04	6.46E-08
HY06	12		Propylene	3.46E-02	3.95E-06
HY06	12		Styrene	1.36E-03	1.55E-07
HY06	12		Toluene	6.52E-02	7.44E-06
HY06	12	1330207	Xylenes	5.43E-02	6.20E-06
PEN5	13	75070	Acetaldehyde	2.05E-03	2.34E-07
PEN5	13	107028	Acrolein	9.52E-04	1.09E-07
PEN5	13		Benzene	1.81E-02	2.07E-06
PEN5	13	106990	1,3-Butadiene	4.03E-03	4.60E-07
PEN5	13	100414	Ethylbenzene	7.69E-03	8.78E-07
PEN5	13	50000	Formaldehyde	1.16E-02	1.32E-06
PEN5	13	110543	Hexane	1.17E-02	1.34E-06
PEN5	13	67561	Methanol	8.79E-04	1.00E-07
PEN5	13	78933	Methyl Ethyl Ketone	1.47E-04	1.67E-08
PEN5	13	91203	Naphthalene	3.66E-04	4.18E-08
PEN5	13	115071	Propylene	2.24E-02	2.56E-06
PEN5	13	100425	Styrene	8.79E-04	1.00E-07
PEN5	13	108883	Toluene	4.22E-02	4.82E-06
PEN5	13	1330207	Xylenes	3.52E-02	4.01E-06
PEN6	14	75070	Acetaldehyde	2.06E-03	2.35E-07
PEN6	14	107028	Acrolein	9.56E-04	1.09E-07
PEN6	14	71432	Benzene	1.82E-02	2.07E-06
PEN6	14		1,3-Butadiene	4.04E-03	4.61E-07
PEN6	14		Ethylbenzene	7.72E-03	8.81E-07
PEN6	14		Formaldehyde	1.16E-02	1.33E-06
PEN6	14	110543	Hexane	1.18E-02	1.34E-06
PEN6	14		Methanol	8.82E-04	1.01E-07
PEN6	14		Methyl Ethyl Ketone	1.47E-04	1.68E-08
PEN6	14	91203	Naphthalene	3.68E-04	4.20E-08
PEN6	14		Propylene	2.25E-02	2.57E-06
PEN6	14	100425	Styrene	8.82E-04	1.01E-07
PEN6	14	108883	Toluene	4.23E-02	4.83E-06
PEN6	14	1330207	Xylenes	3.53E-02	4.03E-06

HARP2 Emission Inputs (Mitigated - Alternative 2)

HARFZ EIIISSIOII III	pats (witiga	ited /itel	1141110 2)	2026	
SRC ID	SRC No.	CAS	Pollutant	lb/yr	lb/hr
CONST_PHASE2	1	9901	DieselExhPM	8.71E+00	0.00E+00
PEN1	2	9901	DieselExhPM	6.03E-02	0.00E+00
COR2	3	9901	DieselExhPM	7.66E-02	0.00E+00
PEN2	4	9901	DieselExhPM	3.72E-02	0.00E+00
PEN3	5	9901	DieselExhPM	3.12E-02	0.00E+00
PEN4	6	9901	DieselExhPM	3.13E-02	0.00E+00
HY03	7	9901	DieselExhPM	6.13E-02	0.00E+00
HY04	8	9901	DieselExhPM	6.15E-02	0.00E+00
HY05	9	9901	DieselExhPM	5.48E-02	0.00E+00
HY06	10	9901	DieselExhPM	5.49E-02	0.00E+00
PEN5	11	9901	DieselExhPM	3.56E-02	0.00E+00
PEN6	12	9901	DieselExhPM	3.57E-02	0.00E+00
PEN1_TRK	13	9901	DieselExhPM	5.85E-02	0.00E+00
COR2_TRK	14	9901	DieselExhPM	7.43E-02	0.00E+00
PEN2_TRK	15	9901	DieselExhPM	3.61E-02	0.00E+00
PEN3_TRK	16	9901	DieselExhPM	3.03E-02	0.00E+00
PEN4_TRK	17	9901	DieselExhPM	3.04E-02	0.00E+00
HY03_TRK	18	9901	DieselExhPM	5.95E-02	0.00E+00
HY04_TRK	19	9901	DieselExhPM	5.97E-02	0.00E+00
HY05_TRK	20	9901	DieselExhPM	5.31E-02	0.00E+00
HY06_TRK	21	9901	DieselExhPM	5.33E-02	0.00E+00
PEN5_TRK	22	9901	DieselExhPM	3.45E-02	0.00E+00
PEN6_TRK	23	9901	DieselExhPM	3.46E-02	0.00E+00
PEN1	2	75070	Acetaldehyde	2.81E-03	3.21E-07
PEN1	2	107028	Acrolein	1.30E-03	1.49E-07
PEN1	2	71432	Benzene	2.48E-02	2.83E-06
PEN1	2	106990	1,3-Butadiene	5.52E-03	6.30E-07
PEN1	2		Ethylbenzene	1.05E-02	1.20E-06
PEN1	2	50000	Formaldehyde	1.59E-02	1.81E-06
PEN1	2	110543	Hexane	1.61E-02	1.83E-06
PEN1	2	67561	Methanol	1.20E-03	1.37E-07
PEN1	2	78933	Methyl Ethyl Ketone	2.01E-04	2.29E-08
PEN1	2	91203	Naphthalene	5.02E-04	5.73E-08
PEN1	2	115071	Propylene	3.07E-02	3.51E-06
PEN1	2		Styrene	1.20E-03	1.37E-07
PEN1	2		Toluene	5.78E-02	6.60E-06
PEN1	2	1330207	3	4.82E-02	5.50E-06
COR2	3		Acetaldehyde	3.57E-03	4.07E-07
COR2	3		Acrolein	1.66E-03	1.89E-07
COR2	3		Benzene	3.15E-02	3.59E-06
COR2	3		1,3-Butadiene	7.01E-03	8.00E-07
COR2	3		Ethylbenzene	1.34E-02	1.53E-06
COR2	3		Formaldehyde	2.01E-02	2.30E-06
COR2	3	110543	Hexane	2.04E-02	2.33E-06

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COR2	3		Methanol	1.53E-03	1.75E-07
COR2	3		Methyl Ethyl Ketone	2.55E-04	2.91E-08
COR2	3		Naphthalene	6.37E-04	7.28E-08
COR2	3		Propylene	3.90E-02	4.45E-06
COR2	3		Styrene	1.53E-03	1.75E-07
COR2	3		Toluene	7.34E-02	8.38E-06
COR2	3	1330207	Xylenes	6.12E-02	6.98E-06
PEN2	4	75070	Acetaldehyde	1.74E-03	1.98E-07
PEN2	4	107028	Acrolein	8.06E-04	9.20E-08
PEN2	4	71432	Benzene	1.53E-02	1.75E-06
PEN2	4	106990	1,3-Butadiene	3.41E-03	3.89E-07
PEN2	4	100414	Ethylbenzene	6.51E-03	7.43E-07
PEN2	4		Formaldehyde	9.79E-03	1.12E-06
PEN2	4	110543	Hexane	9.92E-03	1.13E-06
PEN2	4	67561	Methanol	7.44E-04	8.49E-08
PEN2	4	78933	Methyl Ethyl Ketone	1.24E-04	1.41E-08
PEN2	4		Naphthalene	3.10E-04	3.54E-08
PEN2	4	115071	Propylene	1.90E-02	2.16E-06
PEN2	4		Styrene	7.44E-04	8.49E-08
PEN2	4	108883	Toluene	3.57E-02	4.07E-06
PEN2	4	1330207	Xylenes	2.97E-02	3.40E-06
PEN3	5		Acetaldehyde	1.46E-03	1.66E-07
PEN3	5		Acrolein	6.76E-04	7.71E-08
PEN3	5	71432	Benzene	1.28E-02	1.47E-06
PEN3	5	106990	1,3-Butadiene	2.86E-03	3.26E-07
PEN3	5		Ethylbenzene	5.46E-03	6.23E-07
PEN3	5		Formaldehyde	8.21E-03	9.37E-07
PEN3	5		Hexane	8.31E-03	9.49E-07
PEN3	5	67561	Methanol	6.24E-04	7.12E-08
PEN3	5	78933	Methyl Ethyl Ketone	1.04E-04	1.19E-08
PEN3	5		Naphthalene	2.60E-04	2.97E-08
PEN3	5		Propylene	1.59E-02	1.82E-06
PEN3	5		Styrene	6.24E-04	7.12E-08
PEN3	5	108883	Toluene	2.99E-02	3.42E-06
PEN3	5	1330207		2.49E-02	2.85E-06
PEN4	6		Acetaldehyde	1.46E-03	1.67E-07
PEN4	6		Acrolein	6.78E-04	7.74E-08
PEN4	6		Benzene	1.29E-02	1.47E-06
PEN4	6	106990	1,3-Butadiene	2.87E-03	3.27E-07
PEN4	6	100414	Ethylbenzene	5.47E-03	6.25E-07
PEN4	6		Formaldehyde	8.24E-03	9.40E-07
PEN4	6		Hexane	8.34E-03	9.52E-07
PEN4	6		Methanol	6.25E-04	7.14E-08
PEN4	6		Methyl Ethyl Ketone	1.04E-04	1.19E-08
PEN4	6		Naphthalene	2.61E-04	2.98E-08
PEN4	6		Propylene	1.59E-02	1.82E-06
PEN4	6		Styrene	6.25E-04	7.14E-08
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HY03		7			5.62E-03	6.41E-07
HY03	HY03	7			1.07E-02	1.22E-06
HY03		7				1.84E-06
HY03 7 78933 Methyl Ethyl Ketone 2.04E-04 2.33E-08 HY03 7 91203 Naphthalene 5.11E-04 5.83E-08 HY03 7 115071 Propylene 3.12E-02 3.57E-06 HY03 7 100425 Styrene 1.23E-03 1.40E-07 HY03 7 108883 Toluene 5.88E-02 6.71E-06 HY03 7 1330207 Xylenes 4.90E-02 5.59E-06 HY04 8 75070 Acetaldehyde 2.87E-03 3.27E-07 HY04 8 107028 Acrolein 1.33E-03 1.52E-07 HY04 8 107432 Benzene 2.53E-02 2.89E-06 HY04 8 104990 1.3-Butadiene 5.63E-03 6.43E-07 HY04 8 100414 Ethylbenzene 1.08E-02 1.23E-03 HY04 8 50000 Formaldehyde 1.62E-02 1.85E-06 HY04 8 10543	HY03	7	110543	Hexane	1.63E-02	1.86E-06
HY03 7 91203 Naphthalene 5.11E-04 5.83E-08 HY03 7 115071 Propylene 3.12E-02 3.57E-06 HY03 7 100425 Styrene 1.23E-03 1.40E-07 HY03 7 108883 Toluene 5.88E-02 6.71E-06 HY04 8 75070 Acetaldehyde 2.87E-03 3.27E-07 HY04 8 107028 Acrolein 1.33E-03 1.52E-07 HY04 8 107028 Acrolein 1.33E-03 1.52E-07 HY04 8 107028 Acrolein 1.33E-03 1.52E-07 HY04 8 106990 1,3-Butadiene 5.63E-02 2.89E-06 HY04 8 100414 Ethylbenzene 1.08E-02 1.85E-06 HY04 8 50000 Formaldehyde 1.62E-02 1.85E-06 HY04 8 15051 Methanol 1.23E-03 1.40E-07 HY04 8 78933	HY03	7	67561	Methanol	1.23E-03	1.40E-07
HY03 7 115071 Propylene 3.12E-02 3.57E-06 HY03 7 100425 Styrene 1.23E-03 1.40E-07 HY03 7 108883 Toluene 5.88E-02 6.71E-06 HY04 8 75070 Acctaldehyde 2.87E-03 3.27E-07 HY04 8 107028 Acrolein 1.33E-03 1.52E-07 HY04 8 106990 1,3-Butadiene 2.53E-02 2.89E-06 HY04 8 106990 1,3-Butadiene 5.63E-03 6.43E-07 HY04 8 100491 Ethylbenzene 1.08E-02 1.23E-03 HY04 8 100412 Ethylbenzene 1.62E-02 1.87E-06 HY04 8 105043 Hexane 1.64E-02 1.87E-06 HY04 8 175543 Hexane 1.64E-02 1.87E-06 HY04 8 77561 Methanol 1.23E-03 1.40E-07 HY04 8 78933	HY03	7	78933	Methyl Ethyl Ketone		2.33E-08
HY03 7 100425 Styrene 1.23E-03 1.40E-07 HY03 7 108883 Toluene 5.88E-02 6.71E-06 HY03 7 1330207 Xylenes 4.90E-02 5.59E-06 HY04 8 75070 Acetaldehyde 2.87E-03 3.27E-07 HY04 8 107028 Acrolein 1.33E-03 1.52E-07 HY04 8 107028 Acrolein 1.33E-03 1.52E-07 HY04 8 106990 1,3-Butadiene 5.63E-03 6.43E-07 HY04 8 106990 1,3-Butadiene 5.63E-03 6.43E-07 HY04 8 100414 Ethylbenzene 1.08E-02 1.23E-06 HY04 8 50000 Formaldehyde 1.62E-02 1.85E-06 HY04 8 10543 Hexane 1.64E-02 1.87E-06 HY04 8 75933 Methyl Ethyl Ketone 2.05E-04 2.34E-08 HY04 8 71203	HY03	7	91203	Naphthalene	5.11E-04	5.83E-08
HY03 7 108883 Toluene 5.88E-02 6.71E-06 HY03 7 1330207 Xylenes 4.90E-02 5.59E-06 HY04 8 75070 Acetaldehyde 2.87E-03 3.27E-07 HY04 8 107028 Acrolein 1.33E-03 1.52E-07 HY04 8 71432 Benzene 2.53E-02 2.89E-06 HY04 8 106990 1,3-Butadiene 5.63E-03 6.43E-07 HY04 8 106990 1,3-Butadiene 1.08E-02 1.23E-06 HY04 8 100414 Ethylbenzene 1.08E-02 1.23E-06 HY04 8 50000 Formaldehyde 1.62E-02 1.85E-06 HY04 8 110543 Hexane 1.64E-02 1.87E-06 HY04 8 67561 Methanol 1.23E-03 1.40E-07 HY04 8 78933 Methyl Ethyl Ketone 2.05E-04 2.34E-08 HY04 8 115071	HY03	7	115071	Propylene	3.12E-02	3.57E-06
HY03 7 1330207 Xylenes 4.90E-02 5.59E-06 HY04 8 75070 Acetaldehyde 2.87E-03 3.27E-07 HY04 8 107028 Acrolein 1.33E-03 1.52E-07 HY04 8 71432 Benzene 2.53E-02 2.89E-06 HY04 8 106990 1,3-Butadiene 5.63E-03 6.43E-07 HY04 8 100414 Ethylbenzene 1.08E-02 1.23E-06 HY04 8 50000 Formaldehyde 1.62E-02 1.85E-06 HY04 8 50000 Formaldehyde 1.62E-02 1.87E-06 HY04 8 67561 Methanol 1.23E-03 1.40E-07 HY04 8 78933 Methyl Ethyl Ketone 2.05E-04 2.34E-08 HY04 8 78933 Methyl Ethyl Ketone 2.05E-04 2.34E-08 HY04 8 115071 Propylene 3.13E-02 3.5E-06 HY04 8 100	HY03	7	100425	Styrene	1.23E-03	1.40E-07
HY04 8 75070 Acetaldehyde 2.87E-03 3.27E-07 HY04 8 107028 Acrolein 1.33E-03 1.52E-07 HY04 8 71432 Benzene 2.53E-02 2.89E-06 HY04 8 106990 1,3-Butadiene 5.63E-03 6.43E-07 HY04 8 100414 Ethylbenzene 1.08E-02 1.23E-06 HY04 8 50000 Formaldehyde 1.62E-02 1.85E-06 HY04 8 110543 Hexane 1.64E-02 1.87E-06 HY04 8 67561 Methanol 1.23E-03 1.40E-07 HY04 8 78933 Methyl Ethyl Ketone 2.05E-04 2.34E-08 HY04 8 91203 Naphthalene 5.12E-04 5.84E-08 HY04 8 115071 Propylene 3.13E-02 3.58E-06 HY04 8 10425 Styrene 1.23E-03 1.40E-07 HY04 8 103823	HY03	7	108883	Toluene	5.88E-02	6.71E-06
HY04 8 75070 Acetaldehyde 2.87E-03 3.27E-07 HY04 8 107028 Acrolein 1.33E-03 1.52E-07 HY04 8 71432 Benzene 2.53E-02 2.89E-06 HY04 8 106990 1,3-Butadiene 5.63E-03 6.43E-07 HY04 8 100414 Ethylbenzene 1.08E-02 1.23E-06 HY04 8 50000 Formaldehyde 1.62E-02 1.85E-06 HY04 8 110543 Hexane 1.64E-02 1.87E-06 HY04 8 67561 Methanol 1.23E-03 1.40E-07 HY04 8 78933 Methyl Ethyl Ketone 2.05E-04 2.34E-08 HY04 8 91203 Naphthalene 5.12E-04 5.84E-08 HY04 8 115071 Propylene 3.13E-02 3.58E-06 HY04 8 10425 Styrene 1.23E-03 1.40E-07 HY04 8 103823	HY03	7	1330207	Xylenes	4.90E-02	5.59E-06
HY04 8 107028 Acrolein 1.33E-03 1.52E-07 HY04 8 71432 Benzene 2.53E-02 2.89E-06 HY04 8 106990 1,3-Butadiene 5.63E-03 6.43E-07 HY04 8 100414 Ethylbenzene 1.08E-02 1.23E-06 HY04 8 50000 Formaldehyde 1.62E-02 1.87E-06 HY04 8 110543 Hexane 1.64E-02 1.87E-06 HY04 8 67561 Methanol 1.23E-03 1.40E-07 HY04 8 78933 Methyl Ethyl Ketone 2.05E-04 2.34E-08 HY04 8 91203 Naphthalene 5.12E-04 5.84E-08 HY04 8 115071 Propylene 3.13E-02 3.58E-06 HY04 8 100425 Styrene 1.23E-03 1.40E-07 HY04 8 108883 Toluene 5.90E-02 6.73E-06 HY04 8 1330207 Xylenes 4.91E-02 5.61E-06 HY05 9 75070 Acetaldehyde 2.55E-03 2.91E-07	HY04	8	75070	Acetaldehyde	2.87E-03	3.27E-07
HY04 8 106990 1,3-Butadiene 5.63E-03 6.43E-07 HY04 8 100414 Ethylbenzene 1.08E-02 1.23E-06 HY04 8 50000 Formaldehyde 1.62E-02 1.85E-06 HY04 8 110543 Hexane 1.64E-02 1.87E-06 HY04 8 67561 Methanol 1.23E-03 1.40E-07 HY04 8 78933 Methyl Ethyl Ketone 2.05E-04 2.34E-08 HY04 8 91203 Naphthalene 5.12E-04 5.84E-08 HY04 8 91203 Naphthalene 5.12E-04 5.84E-08 HY04 8 115071 Propylene 3.13E-02 3.58E-06 HY04 8 100425 Styrene 1.23E-03 1.40E-07 HY04 8 108883 Toluene 5.90E-02 6.73E-06 HY04 8 1330207 Xylenes 4.91E-02 5.61E-06 HY05 9 75070	HY04	8	107028	Acrolein	1.33E-03	1.52E-07
HY04 8 100414 Ethylbenzene 1.08E-02 1.23E-06 HY04 8 50000 Formaldehyde 1.62E-02 1.85E-06 HY04 8 110543 Hexane 1.64E-02 1.87E-06 HY04 8 67561 Methanol 1.23E-03 1.40E-07 HY04 8 78933 Methyl Ethyl Ketone 2.05E-04 2.34E-08 HY04 8 91203 Naphthalene 5.12E-04 5.84E-08 HY04 8 115071 Propylene 3.13E-02 3.58E-06 HY04 8 100425 Styrene 1.23E-03 1.40E-07 HY04 8 108883 Toluene 5.90E-02 6.73E-06 HY04 8 1330207 Xylenes 4.91E-02 5.61E-06 HY05 9 75070 Acetaldehyde 2.55E-03 2.91E-07 HY05 9 17422 Benzene 2.25E-02 2.57E-06 HY05 9 106990 <t< td=""><td>HY04</td><td>8</td><td>71432</td><td>Benzene</td><td>2.53E-02</td><td>2.89E-06</td></t<>	HY04	8	71432	Benzene	2.53E-02	2.89E-06
HY04 8 100414 Ethylbenzene 1.08E-02 1.23E-06 HY04 8 50000 Formaldehyde 1.62E-02 1.85E-06 HY04 8 110543 Hexane 1.64E-02 1.87E-06 HY04 8 67561 Methanol 1.23E-03 1.40E-07 HY04 8 78933 Methyl Ethyl Ketone 2.05E-04 2.34E-08 HY04 8 91203 Naphthalene 5.12E-04 5.84E-08 HY04 8 115071 Propylene 3.13E-02 3.58E-06 HY04 8 100425 Styrene 1.23E-03 1.40E-07 HY04 8 108883 Toluene 5.90E-02 6.73E-06 HY04 8 1330207 Xylenes 4.91E-02 5.61E-06 HY05 9 75070 Acetaldehyde 2.55E-03 2.91E-07 HY05 9 17422 Benzene 2.25E-02 2.57E-06 HY05 9 106990 <t< td=""><td>HY04</td><td>8</td><td>106990</td><td>1,3-Butadiene</td><td>5.63E-03</td><td>6.43E-07</td></t<>	HY04	8	106990	1,3-Butadiene	5.63E-03	6.43E-07
HY04 8 50000 Formaldehyde 1.62E-02 1.85E-06 HY04 8 110543 Hexane 1.64E-02 1.87E-06 HY04 8 67561 Methanol 1.23E-03 1.40E-07 HY04 8 78933 Methyl Ethyl Ketone 2.05E-04 2.34E-08 HY04 8 91203 Naphthalene 5.12E-04 5.84E-08 HY04 8 115071 Propylene 3.13E-02 3.58E-06 HY04 8 100425 Styrene 1.23E-03 1.40E-07 HY04 8 108883 Toluene 5.90E-02 6.73E-06 HY04 8 1330207 Xylenes 4.91E-02 5.61E-06 HY05 9 75070 Acetaldehyde 2.55E-03 2.91E-07 HY05 9 77072 Acetaldehyde 2.55E-03 2.91E-07 HY05 9 17422 Benzene 2.25E-02 2.57E-06 HY05 9 106990 1,3-Butadiene 5.02E-03 5.72E-07 HY05 9 100414 Ethylbenzene 9.57E-03 1.09E-06	HY04	8			1.08E-02	1.23E-06
HY04 8 110543 Hexane 1.64E-02 1.87E-06 HY04 8 67561 Methanol 1.23E-03 1.40E-07 HY04 8 78933 Methyl Ethyl Ketone 2.05E-04 2.34E-08 HY04 8 91203 Naphthalene 5.12E-04 5.84E-08 HY04 8 115071 Propylene 3.13E-02 3.58E-06 HY04 8 100425 Styrene 1.23E-03 1.40E-07 HY04 8 108883 Toluene 5.90E-02 6.73E-06 HY04 8 1330207 Xylenes 4.91E-02 5.61E-06 HY05 9 75070 Acetaldehyde 2.55E-03 2.91E-07 HY05 9 107028 Acrolein 1.19E-03 1.35E-07 HY05 9 71432 Benzene 2.25E-02 2.57E-06 HY05 9 106990 1,3-Butadiene 5.02E-03 5.72E-07 HY05 9 100414	HY04	8			1.62E-02	1.85E-06
HY04 8 78933 Methyl Ethyl Ketone 2.05E-04 2.34E-08 HY04 8 91203 Naphthalene 5.12E-04 5.84E-08 HY04 8 115071 Propylene 3.13E-02 3.58E-06 HY04 8 100425 Styrene 1.23E-03 1.40E-07 HY04 8 108883 Toluene 5.90E-02 6.73E-06 HY04 8 1330207 Xylenes 4.91E-02 5.61E-06 HY05 9 75070 Acetaldehyde 2.55E-03 2.91E-07 HY05 9 107028 Acrolein 1.19E-03 1.35E-07 HY05 9 71432 Benzene 2.25E-02 2.57E-06 HY05 9 106990 1,3-Butadiene 5.02E-03 5.72E-07 HY05 9 100414 Ethylbenzene 9.57E-03 1.09E-06 HY05 9 100414 Ethylbenzene 9.57E-03 1.09E-03 HY05 9 110543	HY04	8	110543	Hexane	1.64E-02	1.87E-06
HY04 8 91203 Naphthalene 5.12E-04 5.84E-08 HY04 8 115071 Propylene 3.13E-02 3.58E-06 HY04 8 100425 Styrene 1.23E-03 1.40E-07 HY04 8 108883 Toluene 5.90E-02 6.73E-06 HY04 8 1330207 Xylenes 4.91E-02 5.61E-06 HY05 9 75070 Acetaldehyde 2.55E-03 2.91E-07 HY05 9 107028 Acrolein 1.19E-03 1.35E-07 HY05 9 107028 Acrolein 1.19E-03 1.35E-07 HY05 9 71432 Benzene 2.25E-02 2.57E-06 HY05 9 106990 1,3-Butadiene 5.02E-03 5.72E-07 HY05 9 100414 Ethylbenzene 9.57E-03 1.09E-06 HY05 9 50000 Formaldehyde 1.44E-02 1.64E-06 HY05 9 110543	HY04	8	67561	Methanol	1.23E-03	1.40E-07
HY04 8 115071 Propylene 3.13E-02 3.58E-06 HY04 8 100425 Styrene 1.23E-03 1.40E-07 HY04 8 108883 Toluene 5.90E-02 6.73E-06 HY04 8 1330207 Xylenes 4.91E-02 5.61E-06 HY05 9 75070 Acetaldehyde 2.55E-03 2.91E-07 HY05 9 107028 Acrolein 1.19E-03 1.35E-07 HY05 9 106990 1,3-Butadiene 2.25E-02 2.57E-06 HY05 9 106990 1,3-Butadiene 5.02E-03 5.72E-07 HY05 9 100414 Ethylbenzene 9.57E-03 1.09E-06 HY05 9 100414 Ethylbenzene 9.57E-03 1.09E-06 HY05 9 100414 Hethylbenzene 9.57E-03 1.09E-06 HY05 9 110543 Hexane 1.46E-02 1.67E-06 HY05 9 78933	HY04	8	78933	Methyl Ethyl Ketone	2.05E-04	2.34E-08
HY04 8 100425 Styrene 1.23E-03 1.40E-07 HY04 8 108883 Toluene 5.90E-02 6.73E-06 HY04 8 1330207 Xylenes 4.91E-02 5.61E-06 HY05 9 75070 Acetaldehyde 2.55E-03 2.91E-07 HY05 9 107028 Acrolein 1.19E-03 1.35E-07 HY05 9 71432 Benzene 2.25E-02 2.57E-06 HY05 9 106990 1,3-Butadiene 5.02E-03 5.72E-07 HY05 9 100414 Ethylbenzene 9.57E-03 1.09E-06 HY05 9 100414 Ethylbenzene 9.57E-03 1.09E-06 HY05 9 50000 Formaldehyde 1.44E-02 1.64E-06 HY05 9 110543 Hexane 1.46E-02 1.67E-06 HY05 9 67561 Methanol 1.09E-03 1.25E-07 HY05 9 78933 Met	HY04	8	91203	Naphthalene	5.12E-04	5.84E-08
HY04 8 108883 Toluene 5.90E-02 6.73E-06 HY04 8 1330207 Xylenes 4.91E-02 5.61E-06 HY05 9 75070 Acetaldehyde 2.55E-03 2.91E-07 HY05 9 107028 Acrolein 1.19E-03 1.35E-07 HY05 9 71432 Benzene 2.25E-02 2.57E-06 HY05 9 106990 1,3-Butadiene 5.02E-03 5.72E-07 HY05 9 100414 Ethylbenzene 9.57E-03 1.09E-06 HY05 9 50000 Formaldehyde 1.44E-02 1.64E-06 HY05 9 50000 Formaldehyde 1.44E-02 1.67E-06 HY05 9 110543 Hexane 1.46E-02 1.67E-06 HY05 9 67561 Methanol 1.09E-03 1.25E-07 HY05 9 78933 Methyl Ethyl Ketone 1.82E-04 2.08E-08 HY05 9 91203	HY04	8	115071	Propylene	3.13E-02	3.58E-06
HY04 8 1330207 Xylenes 4.91E-02 5.61E-06 HY05 9 75070 Acetaldehyde 2.55E-03 2.91E-07 HY05 9 107028 Acrolein 1.19E-03 1.35E-07 HY05 9 71432 Benzene 2.25E-02 2.57E-06 HY05 9 106990 1,3-Butadiene 5.02E-03 5.72E-07 HY05 9 100414 Ethylbenzene 9.57E-03 1.09E-06 HY05 9 50000 Formaldehyde 1.44E-02 1.64E-06 HY05 9 50000 Formaldehyde 1.46E-02 1.67E-06 HY05 9 110543 Hexane 1.46E-02 1.67E-06 HY05 9 67561 Methanol 1.09E-03 1.25E-07 HY05 9 78933 Methyl Ethyl Ketone 1.82E-04 2.08E-08 HY05 9 91203 Naphthalene 4.56E-04 5.20E-08 HY05 9 115071	HY04	8	100425	Styrene	1.23E-03	1.40E-07
HY05 9 75070 Acetaldehyde 2.55E-03 2.91E-07 HY05 9 107028 Acrolein 1.19E-03 1.35E-07 HY05 9 71432 Benzene 2.25E-02 2.57E-06 HY05 9 106990 1,3-Butadiene 5.02E-03 5.72E-07 HY05 9 100414 Ethylbenzene 9.57E-03 1.09E-06 HY05 9 50000 Formaldehyde 1.44E-02 1.64E-06 HY05 9 110543 Hexane 1.46E-02 1.67E-06 HY05 9 67561 Methanol 1.09E-03 1.25E-07 HY05 9 78933 Methyl Ethyl Ketone 1.82E-04 2.08E-08 HY05 9 715071 Propylene 2.79E-02 3.19E-06 HY05 9 100425 Styrene 1.09E-03 1.25E-07 HY05 9 108883 Toluene 5.25E-02 6.00E-06 HY05 9 1330207	HY04	8	108883	Toluene	5.90E-02	6.73E-06
HY05 9 107028 Acrolein 1.19E-03 1.35E-07 HY05 9 71432 Benzene 2.25E-02 2.57E-06 HY05 9 106990 1,3-Butadiene 5.02E-03 5.72E-07 HY05 9 100414 Ethylbenzene 9.57E-03 1.09E-06 HY05 9 50000 Formaldehyde 1.44E-02 1.64E-06 HY05 9 110543 Hexane 1.46E-02 1.67E-06 HY05 9 67561 Methanol 1.09E-03 1.25E-07 HY05 9 78933 Methyl Ethyl Ketone 1.82E-04 2.08E-08 HY05 9 91203 Naphthalene 4.56E-04 5.20E-08 HY05 9 115071 Propylene 2.79E-02 3.19E-06 HY05 9 100425 Styrene 1.09E-03 1.25E-07 HY05 9 10883 Toluene 5.25E-02 6.00E-06 HY05 9 1330207 Xylenes 4.38E-02 5.00E-06 HY06 10 75070 Acetaldehyde 2.56E-03 2.92E-07	HY04	8	1330207	Xylenes	4.91E-02	5.61E-06
HY05 9 71432 Benzene 2.25E-02 2.57E-06 HY05 9 106990 1,3-Butadiene 5.02E-03 5.72E-07 HY05 9 100414 Ethylbenzene 9.57E-03 1.09E-06 HY05 9 50000 Formaldehyde 1.44E-02 1.64E-06 HY05 9 110543 Hexane 1.46E-02 1.67E-06 HY05 9 67561 Methanol 1.09E-03 1.25E-07 HY05 9 78933 Methyl Ethyl Ketone 1.82E-04 2.08E-08 HY05 9 91203 Naphthalene 4.56E-04 5.20E-08 HY05 9 115071 Propylene 2.79E-02 3.19E-06 HY05 9 100425 Styrene 1.09E-03 1.25E-07 HY05 9 10883 Toluene 5.25E-02 6.00E-06 HY05 9 1330207 Xylenes 4.38E-02 5.00E-06 HY06 10 75070 <	HY05	9	75070	Acetaldehyde	2.55E-03	2.91E-07
HY05 9 106990 1,3-Butadiene 5.02E-03 5.72E-07 HY05 9 100414 Ethylbenzene 9.57E-03 1.09E-06 HY05 9 50000 Formaldehyde 1.44E-02 1.64E-06 HY05 9 110543 Hexane 1.46E-02 1.67E-06 HY05 9 67561 Methanol 1.09E-03 1.25E-07 HY05 9 78933 Methyl Ethyl Ketone 1.82E-04 2.08E-08 HY05 9 91203 Naphthalene 4.56E-04 5.20E-08 HY05 9 115071 Propylene 2.79E-02 3.19E-06 HY05 9 100425 Styrene 1.09E-03 1.25E-07 HY05 9 108883 Toluene 5.25E-02 6.00E-06 HY05 9 1330207 Xylenes 4.38E-02 5.00E-06 HY06 10 75070 Acetaldehyde 2.56E-03 2.92E-07 HY06 10 107028	HY05	9	107028	Acrolein	1.19E-03	1.35E-07
HY05 9 100414 Ethylbenzene 9.57E-03 1.09E-06 HY05 9 50000 Formaldehyde 1.44E-02 1.64E-06 HY05 9 110543 Hexane 1.46E-02 1.67E-06 HY05 9 67561 Methanol 1.09E-03 1.25E-07 HY05 9 78933 Methyl Ethyl Ketone 1.82E-04 2.08E-08 HY05 9 91203 Naphthalene 4.56E-04 5.20E-08 HY05 9 115071 Propylene 2.79E-02 3.19E-06 HY05 9 100425 Styrene 1.09E-03 1.25E-07 HY05 9 108883 Toluene 5.25E-02 6.00E-06 HY05 9 1330207 Xylenes 4.38E-02 5.00E-06 HY06 10 75070 Acetaldehyde 2.56E-03 2.92E-07 HY06 10 107028 Acrolein 1.19E-03 1.36E-07	HY05	9	71432	Benzene	2.25E-02	2.57E-06
HY05 9 50000 Formaldehyde 1.44E-02 1.64E-06 HY05 9 110543 Hexane 1.46E-02 1.67E-06 HY05 9 67561 Methanol 1.09E-03 1.25E-07 HY05 9 78933 Methyl Ethyl Ketone 1.82E-04 2.08E-08 HY05 9 91203 Naphthalene 4.56E-04 5.20E-08 HY05 9 115071 Propylene 2.79E-02 3.19E-06 HY05 9 100425 Styrene 1.09E-03 1.25E-07 HY05 9 108883 Toluene 5.25E-02 6.00E-06 HY05 9 1330207 Xylenes 4.38E-02 5.00E-06 HY06 10 75070 Acetaldehyde 2.56E-03 2.92E-07 HY06 10 107028 Acrolein 1.19E-03 1.36E-07	HY05		106990	1,3-Butadiene	5.02E-03	5.72E-07
HY05 9 110543 Hexane 1.46E-02 1.67E-06 HY05 9 67561 Methanol 1.09E-03 1.25E-07 HY05 9 78933 Methyl Ethyl Ketone 1.82E-04 2.08E-08 HY05 9 91203 Naphthalene 4.56E-04 5.20E-08 HY05 9 115071 Propylene 2.79E-02 3.19E-06 HY05 9 100425 Styrene 1.09E-03 1.25E-07 HY05 9 108883 Toluene 5.25E-02 6.00E-06 HY05 9 1330207 Xylenes 4.38E-02 5.00E-06 HY06 10 75070 Acetaldehyde 2.56E-03 2.92E-07 HY06 10 107028 Acrolein 1.19E-03 1.36E-07	HY05	9		3	9.57E-03	1.09E-06
HY05 9 67561 Methanol 1.09E-03 1.25E-07 HY05 9 78933 Methyl Ethyl Ketone 1.82E-04 2.08E-08 HY05 9 91203 Naphthalene 4.56E-04 5.20E-08 HY05 9 115071 Propylene 2.79E-02 3.19E-06 HY05 9 100425 Styrene 1.09E-03 1.25E-07 HY05 9 108883 Toluene 5.25E-02 6.00E-06 HY05 9 1330207 Xylenes 4.38E-02 5.00E-06 HY06 10 75070 Acetaldehyde 2.56E-03 2.92E-07 HY06 10 107028 Acrolein 1.19E-03 1.36E-07	HY05				1.44E-02	1.64E-06
HY05 9 78933 Methyl Ethyl Ketone 1.82E-04 2.08E-08 HY05 9 91203 Naphthalene 4.56E-04 5.20E-08 HY05 9 115071 Propylene 2.79E-02 3.19E-06 HY05 9 100425 Styrene 1.09E-03 1.25E-07 HY05 9 108883 Toluene 5.25E-02 6.00E-06 HY05 9 1330207 Xylenes 4.38E-02 5.00E-06 HY06 10 75070 Acetaldehyde 2.56E-03 2.92E-07 HY06 10 107028 Acrolein 1.19E-03 1.36E-07	HY05		110543	Hexane	1.46E-02	1.67E-06
HY05 9 91203 Naphthalene 4.56E-04 5.20E-08 HY05 9 115071 Propylene 2.79E-02 3.19E-06 HY05 9 100425 Styrene 1.09E-03 1.25E-07 HY05 9 108883 Toluene 5.25E-02 6.00E-06 HY05 9 1330207 Xylenes 4.38E-02 5.00E-06 HY06 10 75070 Acetaldehyde 2.56E-03 2.92E-07 HY06 10 107028 Acrolein 1.19E-03 1.36E-07					1.09E-03	1.25E-07
HY05 9 115071 Propylene 2.79E-02 3.19E-06 HY05 9 100425 Styrene 1.09E-03 1.25E-07 HY05 9 108883 Toluene 5.25E-02 6.00E-06 HY05 9 1330207 Xylenes 4.38E-02 5.00E-06 HY06 10 75070 Acetaldehyde 2.56E-03 2.92E-07 HY06 10 107028 Acrolein 1.19E-03 1.36E-07	HY05			, ,	1.82E-04	2.08E-08
HY05 9 100425 Styrene 1.09E-03 1.25E-07 HY05 9 108883 Toluene 5.25E-02 6.00E-06 HY05 9 1330207 Xylenes 4.38E-02 5.00E-06 HY06 10 75070 Acetaldehyde 2.56E-03 2.92E-07 HY06 10 107028 Acrolein 1.19E-03 1.36E-07				•	4.56E-04	5.20E-08
HY05 9 108883 Toluene 5.25E-02 6.00E-06 HY05 9 1330207 Xylenes 4.38E-02 5.00E-06 HY06 10 75070 Acetaldehyde 2.56E-03 2.92E-07 HY06 10 107028 Acrolein 1.19E-03 1.36E-07						3.19E-06
HY05 9 1330207 Xylenes 4.38E-02 5.00E-06 HY06 10 75070 Acetaldehyde 2.56E-03 2.92E-07 HY06 10 107028 Acrolein 1.19E-03 1.36E-07	HY05			-		1.25E-07
HY06 10 75070 Acetaldehyde 2.56E-03 2.92E-07 HY06 10 107028 Acrolein 1.19E-03 1.36E-07						6.00E-06
HY06 10 107028 Acrolein 1.19E-03 1.36E-07	HY05	9		3	4.38E-02	5.00E-06
	HY06	10			2.56E-03	2.92E-07
HY06 10 71432 Benzene 2.26E-02 2.58E-06		10				1.36E-07
	HY06	10	71432	Benzene	2.26E-02	2.58E-06

HY06	10	106990	1,3-Butadiene	5.03E-03	5.74E-07
HY06	10	100414	Ethylbenzene	9.60E-03	1.10E-06
HY06	10	50000	Formaldehyde	1.45E-02	1.65E-06
HY06	10		Hexane	1.46E-02	1.67E-06
HY06	10	67561	Methanol	1.10E-03	1.25E-07
HY06	10	78933	Methyl Ethyl Ketone	1.83E-04	2.09E-08
HY06	10	91203	Naphthalene	4.57E-04	5.22E-08
HY06	10	115071	Propylene	2.80E-02	3.20E-06
HY06	10	100425	Styrene	1.10E-03	1.25E-07
HY06	10	108883	Toluene	5.27E-02	6.01E-06
HY06	10	1330207	Xylenes	4.39E-02	5.01E-06
PEN5	11	75070	Acetaldehyde	1.66E-03	1.89E-07
PEN5	11	107028	Acrolein	7.70E-04	8.79E-08
PEN5	11	71432	Benzene	1.46E-02	1.67E-06
PEN5	11	106990	1,3-Butadiene	3.26E-03	3.72E-07
PEN5	11	100414	Ethylbenzene	6.22E-03	7.10E-07
PEN5	11	50000	Formaldehyde	9.35E-03	1.07E-06
PEN5	11	110543	Hexane	9.47E-03	1.08E-06
PEN5	11	67561	Methanol	7.10E-04	8.11E-08
PEN5	11	78933	Methyl Ethyl Ketone	1.18E-04	1.35E-08
PEN5	11	91203	Naphthalene	2.96E-04	3.38E-08
PEN5	11	115071	Propylene	1.81E-02	2.07E-06
PEN5	11	100425	Styrene	7.10E-04	8.11E-08
PEN5	11	108883	Toluene	3.41E-02	3.89E-06
PEN5	11	1330207		2.84E-02	3.24E-06
PEN6	12	75070	Acetaldehyde	1.66E-03	1.90E-07
PEN6	12	107028	Acrolein	7.72E-04	8.81E-08
PEN6	12	71432	Benzene	1.47E-02	1.67E-06
PEN6	12	106990	1,3-Butadiene	3.27E-03	3.73E-07
PEN6	12	100414	Ethylbenzene	6.24E-03	7.12E-07
PEN6	12	50000	Formaldehyde	9.38E-03	1.07E-06
PEN6	12	110543	Hexane	9.50E-03	1.08E-06
PEN6	12		Methanol	7.13E-04	8.14E-08
PEN6	12	78933	Methyl Ethyl Ketone	1.19E-04	1.36E-08
PEN6	12	91203	Naphthalene	2.97E-04	3.39E-08
PEN6	12		Propylene	1.82E-02	2.07E-06
PEN6	12	100425	Styrene	7.13E-04	8.14E-08
PEN6	12	108883	Toluene	3.42E-02	3.91E-06
PEN6	12	1330207	Xylenes	2.85E-02	3.25E-06

Mitigated	Proposed Project - Operations
. .	Full Build
Source	Total PM2.5 (ton/yr)
Generators	0.004
FWPs	0.003
TRU Idling	0.011
Forklifts	0.000
Onsite Cars	0.004
Onsite Trucks	0.004
Offsite Cars	0.072
Offsite Trucks	0.025

Mitigated	Reduced Footprint - Operations
witigated	·
	Full Build
Source	Total PM2.5 (ton/yr)
Source	10tar 1 1012.3 (t0117 yr)
Generators	0.002
FWPs	0.001
TRU Idling	0.005
Forklifts	0.000
Onsite Cars	0.002
Onsite Trucks	0.0013
Offsite Cars	0.030
Offsite Trucks	0.010

Mitigated	% Difference - Operations
	Full Build
Source	Total PM2.5 (ton/yr)
Generators	-58%
FWPs	-70%
TRU Idling	-58%
Forklifts	-
Onsite Cars	-58%
Onsite Trucks	-69%
Offsite Cars	-59%
Offsite Trucks	-58%

Annual PM2.5 Conc. (ug/m3)
Full Buildout Operations - Mitigated

	% Diff Total		Est. Reduced		Est. Reduced
		Project - Resident	Footprint -	Project - Worker	Footprint -
Source	PM2.5 (ton/yr)		Resident		Worker
Forklifts	-	0.000	-	0.000	-
FWPs	-70%	0.0001	0.0000	0.0005	0.0002
Generators	-58%	0.0001	0.0000	0.0008	0.0003
TRU Idling	-58%	0.001	0.000	0.004	0.002
Onsite Cars	-58%	0.001	0.000	0.004	0.002
Onsite Trucks	-69%	0.001	0.000	0.004	0.001
Offsite Cars	-59%	0.045	0.019	0.033	0.014
Offsite Trucks	-58%	0.001	0.000	0.004	0.001
Sum		0.047	0.020	0.050	0.020

HARP2 Emission Inputs (Alternative 2 - Mitigated)

HARPZ EIIIISSIOITIII	pats (Attente	TIVE Z IVI	rtigatedy	(Full Build Ops -	Offsite)
SRC ID	SRC No.	CAS	Pollutant	lb/yr	lb/hr
PEN1_Cars	1	9901	DieselExhPM	8.78E-01	0.00E+00
COR1_Cars	2	9901	DieselExhPM	5.45E-03	0.00E+00
COR2_Cars	3	9901	DieselExhPM	9.27E-02	0.00E+00
PEN2_Cars	4	9901	DieselExhPM	1.00E-01	0.00E+00
HY01_Cars	5	9901	DieselExhPM	1.22E-01	0.00E+00
HY02_Cars	6	9901	DieselExhPM	1.94E-01	0.00E+00
PEN3_Cars	7	9901	DieselExhPM	9.81E-02	0.00E+00
PEN4_Cars	8	9901	DieselExhPM	1.34E-01	0.00E+00
WTX1_Cars	9	9901	DieselExhPM	3.64E-02	0.00E+00
BEK1_Cars	10	9901	DieselExhPM	1.25E-01	0.00E+00
BEK2_Cars	11	9901	DieselExhPM	1.25E-01	0.00E+00
COR3_Cars	12	9901	DieselExhPM	1.82E-02	0.00E+00
BEK3_Cars	13	9901	DieselExhPM	4.73E-02	0.00E+00
BEK4_Cars	14	9901	DieselExhPM	1.82E-02	0.00E+00
BEK5_Cars	15	9901	DieselExhPM	2.91E-02	0.00E+00
CBN1_Cars	16	9901	DieselExhPM	0.00E+00	0.00E+00
CBN2_Cars	17	9901	DieselExhPM	0.00E+00	0.00E+00
HY03_Cars	18	9901	DieselExhPM	1.07E-01	0.00E+00
HY04_Cars	19	9901	DieselExhPM	9.09E-03	0.00E+00
HY05_Cars	20	9901	DieselExhPM	1.38E-01	0.00E+00
HY06_Cars	21	9901	DieselExhPM	1.91E-01	0.00E+00
PEN1_Trucks	22	9901	DieselExhPM	1.94E+00	0.00E+00
COR1_Trucks	23	9901	DieselExhPM	1.20E-02	0.00E+00
COR2_Trucks	24	9901	DieselExhPM	2.04E-01	0.00E+00
PEN2_Trucks	25	9901	DieselExhPM	2.20E-01	0.00E+00
HY01_Trucks	26	9901	DieselExhPM	2.68E-01	0.00E+00
HY02_Trucks	27	9901	DieselExhPM	4.29E-01	0.00E+00
PEN3_Trucks	28	9901	DieselExhPM	2.16E-01	0.00E+00
PEN4_Trucks	29	9901	DieselExhPM	2.97E-01	0.00E+00
WTX1_Trucks	30	9901	DieselExhPM	8.01E-02	0.00E+00
BEK1_Trucks	31	9901	DieselExhPM	2.76E-01	0.00E+00
BEK2_Trucks	32	9901	DieselExhPM	2.76E-01	0.00E+00
COR3_Trucks	33	9901	DieselExhPM	4.01E-02	0.00E+00
BEK3_Trucks	34	9901	DieselExhPM	1.04E-01	0.00E+00
BEK4_Trucks	35	9901	DieselExhPM	4.01E-02	0.00E+00
BEK5_Trucks	36	9901	DieselExhPM	6.41E-02	0.00E+00
CBN1_Trucks	37	9901	DieselExhPM	0.00E+00	0.00E+00
CBN2_Trucks	38	9901	DieselExhPM	0.00E+00	0.00E+00
HY03_Trucks	39	9901	DieselExhPM	2.36E-01	0.00E+00
HY04_Trucks	40	9901	DieselExhPM	2.00E-02	0.00E+00
HY05_Trucks	41	9901	DieselExhPM	3.05E-01	0.00E+00
HY06_Trucks	42	9901	DieselExhPM	4.21E-01	0.00E+00
PEN1_Cars	1	75070	Acetaldehyde	7.27E-02	8.30E-06
PEN1_Cars	1	107028	Acrolein	3.38E-02	3.85E-06

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PEN1_Cars	1		Benzene	6.41E-01	7.32E-05
PEN1_Cars	1		1,3-Butadiene	1.43E-01	1.63E-05
PEN1_Cars	1		Ethylbenzene	2.73E-01	3.11E-05
PEN1_Cars	1		Formaldehyde	4.10E-01	4.68E-05
PEN1_Cars	1		Hexane	4.15E-01	4.74E-05
PEN1_Cars	1		Methanol	3.12E-02	3.56E-06
PEN1_Cars	1		Methyl Ethyl Ketone	5.19E-03	
PEN1_Cars	1		Naphthalene	1.30E-02	1.48E-06
PEN1_Cars	1		Propylene	7.95E-01	9.07E-05
PEN1_Cars	1		Styrene	3.12E-02	3.56E-06
PEN1_Cars	1		Toluene	1.50E+00	1.71E-04
PEN1_Cars	1	1330207		1.25E+00	
COR1_Cars	2		Acetaldehyde	4.52E-04	5.15E-08
COR1_Cars	2		Acrolein	2.10E-04	2.39E-08
COR1_Cars	2		Benzene	3.98E-03	4.55E-07
COR1_Cars	2		1,3-Butadiene	8.87E-04	1.01E-07
COR1_Cars	2		Ethylbenzene	1.69E-03	1.93E-07
COR1_Cars	2		Formaldehyde	2.55E-03	2.91E-07
COR1_Cars	2		Hexane	2.58E-03	2.95E-07
COR1_Cars	2		Methanol	1.94E-04	2.21E-08
COR1_Cars	2	78933	Methyl Ethyl Ketone	3.23E-05	3.68E-09
COR1_Cars	2		Naphthalene	8.06E-05	9.21E-09
COR1_Cars	2		Propylene	4.94E-03	
COR1_Cars	2		Styrene	1.94E-04	2.21E-08
COR1_Cars	2		Toluene	9.29E-03	1.06E-06
COR1_Cars	2	1330207		7.74E-03	8.84E-07
COR2_Cars	3		Acetaldehyde	7.68E-03	8.76E-07
COR2_Cars	3		Acrolein	3.56E-03	4.07E-07
COR2_Cars	3		Benzene	6.77E-02	7.73E-06
COR2_Cars	3		1,3-Butadiene	1.51E-02	1.72E-06
COR2_Cars	3		Ethylbenzene	2.88E-02	
COR2_Cars	3		Formaldehyde	4.33E-02	
COR2_Cars	3		Hexane	4.39E-02	
COR2_Cars	3		Methanol	3.29E-03	
COR2_Cars	3		Methyl Ethyl Ketone	5.48E-04	6.26E-08
COR2_Cars	3		Naphthalene	1.37E-03	
COR2_Cars	3		Propylene	8.39E-02	
COR2_Cars	3		Styrene	3.29E-03	
COR2_Cars	3		Toluene	1.58E-01	1.80E-05
COR2_Cars	3	1330207	,	1.32E-01	1.50E-05
PEN2_Cars	4		Acetaldehyde	8.28E-03	9.45E-07
PEN2_Cars	4		Acrolein	3.84E-03	
PEN2_Cars	4		Benzene	7.30E-02	8.34E-06
PEN2_Cars	4		1,3-Butadiene	1.63E-02	1.86E-06
PEN2_Cars	4		Ethylbenzene	3.10E-02	
PEN2_Cars	4		Formaldehyde	4.67E-02	5.33E-06
PEN2_Cars	4	110543	Hexane	4.73E-02	5.40E-06

PEN2_Cars	4	67561	Methanol	3.55E-03	4.05E-07
PEN2_Cars	4		Methyl Ethyl Ketone	5.91E-04	6.75E-08
PEN2_Cars	4		Naphthalene	1.48E-03	
PEN2_Cars	4		Propylene	9.05E-02	1.03E-07
PEN2_Cars			Styrene	3.55E-03	
	4		Toluene		
PEN2_Cars				1.70E-01	1.94E-05
PEN2_Cars HY01_Cars	4	1330207		1.42E-01	1.62E-05 1.15E-06
HY01_Cars	5 5		Acetaldehyde Acrolein	1.01E-02 4.68E-03	5.35E-07
_	5 5		Benzene	8.90E-02	
HY01_Cars HY01_Cars	5 5		1,3-Butadiene	1.98E-02	1.02E-05 2.26E-06
HY01_Cars	5		Ethylbenzene	3.78E-02	4.32E-06
HY01_Cars	5		Formaldehyde	5.69E-02	4.32E-00 6.50E-06
HY01_Cars	5		Hexane	5.76E-02	6.58E-06
HY01_Cars	5		Methanol	4.32E-03	4.93E-07
HY01_Cars	5		Methyl Ethyl Ketone	7.20E-04	4.93E-07 8.22E-08
HY01_Cars	5		Naphthalene	1.80E-03	2.06E-07
HY01_Cars	5		Propylene	1.10E-01	1.26E-05
HY01_Cars	5		Styrene	4.32E-03	4.93E-07
HY01_Cars	5		Toluene	2.07E-01	2.37E-05
HY01_Cars	5	1330207		1.73E-01	1.97E-05
HY02_Cars	6		Acetaldehyde	1.61E-02	
HY02_Cars	6		Acrolein	7.48E-03	
HY02_Cars	6		Benzene	1.42E-01	1.62E-05
HY02_Cars	6		1,3-Butadiene	3.16E-02	3.61E-06
HY02_Cars	6		Ethylbenzene	6.04E-02	6.89E-06
HY02_Cars	6		Formaldehyde	9.09E-02	1.04E-05
HY02_Cars	6		Hexane	9.20E-02	1.05E-05
HY02_Cars	6	67561	Methanol	6.90E-03	7.88E-07
HY02_Cars	6	78933	Methyl Ethyl Ketone	1.15E-03	1.31E-07
HY02_Cars	6	91203	Naphthalene	2.88E-03	3.28E-07
HY02_Cars	6	115071	Propylene	1.76E-01	2.01E-05
HY02_Cars	6	100425	Styrene	6.90E-03	7.88E-07
HY02_Cars	6		Toluene	3.31E-01	3.78E-05
HY02_Cars	6	1330207	3	2.76E-01	3.15E-05
PEN3_Cars	7		Acetaldehyde	8.13E-03	9.28E-07
PEN3_Cars	7		Acrolein	3.77E-03	
PEN3_Cars	7		Benzene	7.17E-02	8.19E-06
PEN3_Cars	7		1,3-Butadiene	1.60E-02	1.82E-06
PEN3_Cars	7		Ethylbenzene	3.05E-02	
PEN3_Cars	7		Formaldehyde	4.59E-02	5.24E-06
PEN3_Cars	7		Hexane	4.64E-02	5.30E-06
PEN3_Cars	7		Methanol	3.48E-03	
PEN3_Cars	7		Methyl Ethyl Ketone	5.81E-04	
PEN3_Cars	7		Naphthalene	1.45E-03	
PEN3_Cars	7		Propylene	8.88E-02	1.01E-05
PEN3_Cars	7	100425	Styrene	3.48E-03	3.98E-07

DEM2 Care	7	100002	Toluene	1.67E-01	1 015 05
PEN3_Cars	7			1.67E-01 1.39E-01	1.91E-05 1.59E-05
PEN3_Cars	8	1330207		1.39E-01 1.11E-02	
PEN4_Cars PEN4_Cars	8		Acetaldehyde Acrolein	5.17E-03	
	8		Benzene		
PEN4_Cars	8			9.83E-02	
PEN4_Cars	8		1,3-Butadiene	2.19E-02	2.50E-06 4.77E-06
PEN4_Cars	8		Ethylbenzene	4.18E-02	
PEN4_Cars	8		Formaldehyde Hexane	6.29E-02 6.37E-02	7.18E-06
PEN4_Cars	8		Methanol		7.27E-06
PEN4_Cars	8			4.77E-03 7.96E-04	
PEN4_Cars	8		Methyl Ethyl Ketone	1.99E-04 1.99E-03	9.08E-08 2.27E-07
PEN4_Cars	8		Naphthalene		
PEN4_Cars PEN4_Cars	8		Propylene	1.22E-01 4.77E-03	1.39E-05
			Styrene		
PEN4_Cars	8		Toluene	2.29E-01	2.62E-05
PEN4_Cars	8 9	1330207		1.91E-01 3.01E-03	2.18E-05
WTX1_Cars			Acetaldehyde	_	
WTX1_Cars	9		Acrolein	1.40E-03	
WTX1_Cars	9		Benzene	2.66E-02	3.03E-06
WTX1_Cars	9		1,3-Butadiene	5.91E-03	
WTX1_Cars	9		Ethylbenzene	1.13E-02	1.29E-06
WTX1_Cars			Formaldehyde	1.70E-02	
WTX1_Cars	9		Hexane Methanol	1.72E-02 1.29E-03	
WTX1_Cars	9			2.15E-04	
WTX1_Cars WTX1_Cars	9		Methyl Ethyl Ketone Naphthalene	5.38E-04	2.45E-08 6.14E-08
WTX1_Cars	9		Propylene	3.29E-02	
WTX1_Cars	9		Styrene	1.29E-03	
WTX1_Cars	9		Toluene	6.19E-02	7.07E-06
WTX1_Cars	9	1330207		5.16E-02	
BEK1_Cars	10		Acetaldehyde	1.04E-02	
BEK1_Cars	10		Acrolein	4.82E-03	
BEK1_Cars	10		Benzene	9.16E-02	
BEK1_Cars	10		1,3-Butadiene	2.04E-02	
BEK1_Cars	10		Ethylbenzene	3.89E-02	
BEK1_Cars	10		Formaldehyde	5.86E-02	
BEK1_Cars	10		Hexane	5.93E-02	
BEK1_Cars	10		Methanol	4.45E-03	
BEK1_Cars	10		Methyl Ethyl Ketone	7.42E-04	
BEK1_Cars	10		Naphthalene	1.85E-03	
BEK1_Cars	10		Propylene	1.14E-01	1.30E-05
BEK1_Cars	10		Styrene	4.45E-03	
BEK1_Cars	10		Toluene	2.14E-01	2.44E-05
BEK1_Cars	10	1330207		1.78E-01	2.03E-05
BEK2_Cars	11		Acetaldehyde	1.04E-02	
BEK2_Cars	11		Acrolein	4.82E-03	
BEK2_Cars	11		Benzene	9.16E-02	
DENZ_Oals	1 1	11432	DOLIZOLIO	7. TUL-UZ	1.03L-03

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BEK2_Cars	11		1,3-Butadiene	2.04E-02	2.33E-06
BEK2_Cars	11		Ethylbenzene	3.89E-02	4.45E-06
BEK2_Cars	11		Formaldehyde	5.86E-02	6.69E-06
BEK2_Cars	11		Hexane	5.93E-02	6.78E-06
BEK2_Cars	11		Methanol	4.45E-03	5.08E-07
BEK2_Cars	11		Methyl Ethyl Ketone	7.42E-04	8.47E-08
BEK2_Cars	11		Naphthalene	1.85E-03	2.12E-07
BEK2_Cars	11		Propylene	1.14E-01	1.30E-05
BEK2_Cars	11		Styrene	4.45E-03	5.08E-07
BEK2_Cars	11		Toluene	2.14E-01	2.44E-05
BEK2_Cars	11	1330207		1.78E-01	2.03E-05
COR3_Cars	12		Acetaldehyde	1.51E-03	1.72E-07
COR3_Cars	12		Acrolein	6.99E-04	7.98E-08
COR3_Cars	12		Benzene	1.33E-02	1.52E-06
COR3_Cars	12		1,3-Butadiene	2.96E-03	3.38E-07
COR3_Cars	12		Ethylbenzene	5.64E-03	6.44E-07
COR3_Cars	12		Formaldehyde	8.49E-03	9.70E-07
COR3_Cars	12		Hexane	8.60E-03	9.82E-07
COR3_Cars	12		Methanol	6.45E-04	7.36E-08
COR3_Cars	12		Methyl Ethyl Ketone	1.08E-04	1.23E-08
COR3_Cars	12		Naphthalene	2.69E-04	3.07E-08
COR3_Cars	12		Propylene	1.65E-02	1.88E-06
COR3_Cars	12		Styrene	6.45E-04	7.36E-08
COR3_Cars	12		Toluene	3.10E-02	3.53E-06
COR3_Cars	12	1330207		2.58E-02	2.95E-06
BEK3_Cars	13		Acetaldehyde	3.91E-03	4.47E-07
BEK3_Cars	13	107028	Acrolein	1.82E-03	2.07E-07
BEK3_Cars	13		Benzene	3.45E-02	3.94E-06
BEK3_Cars	13		1,3-Butadiene	7.69E-03	8.78E-07
BEK3_Cars	13		Ethylbenzene	1.47E-02	1.68E-06
BEK3_Cars	13	50000	Formaldehyde	2.21E-02	2.52E-06
BEK3_Cars	13	110543	Hexane	2.24E-02	2.55E-06
BEK3_Cars	13		Methanol	1.68E-03	1.91E-07
BEK3_Cars	13	78933	Methyl Ethyl Ketone	2.80E-04	3.19E-08
BEK3_Cars	13		Naphthalene	6.99E-04	7.98E-08
BEK3_Cars	13	115071	Propylene	4.28E-02	4.88E-06
BEK3_Cars	13	100425	Styrene	1.68E-03	1.91E-07
BEK3_Cars	13		Toluene	8.05E-02	9.19E-06
BEK3_Cars	13	1330207	Xylenes	6.71E-02	7.66E-06
BEK4_Cars	14	75070	Acetaldehyde	1.51E-03	1.72E-07
BEK4_Cars	14	107028	Acrolein	6.99E-04	7.98E-08
BEK4_Cars	14	71432	Benzene	1.33E-02	1.52E-06
BEK4_Cars	14	106990	1,3-Butadiene	2.96E-03	3.38E-07
BEK4_Cars	14		Ethylbenzene	5.64E-03	6.44E-07
BEK4_Cars	14		Formaldehyde	8.49E-03	9.70E-07
BEK4_Cars	14		Hexane	8.60E-03	9.82E-07
BEK4_Cars	14		Methanol	6.45E-04	7.36E-08

BEK4_Cars	14	70022	Mothyl Ethyl Kotono	1.08E-04	1.23E-08
BEK4_Cars	14		Methyl Ethyl Ketone Naphthalene	2.69E-04	
BEK4_Cars	14		Propylene	1.65E-02	
BEK4_Cars	14		Styrene	6.45E-04	
	14		Toluene	3.10E-02	
BEK4_Cars BEK4_Cars	14				
BEK5_Cars	15	1330207		2.58E-02 2.41E-03	
			Acetaldehyde Acrolein		
BEK5_Cars	15 15		Benzene	1.12E-03 2.12E-02	
BEK5_Cars	15		1,3-Butadiene	4.73E-03	
BEK5_Cars BEK5_Cars	15			9.03E-03	
BEK5_Cars	15		Ethylbenzene Formaldehyde	1.36E-02	
BEK5_Cars	15		Hexane	1.38E-02	
BEK5_Cars	15		Methanol	1.03E-02	
BEK5_Cars	15		Methyl Ethyl Ketone	1.03E-03 1.72E-04	
BEK5_Cars	15		Naphthalene	4.30E-04	
BEK5_Cars	15		Propylene	2.63E-02	
BEK5_Cars	15		Styrene	1.03E-03	
BEK5_Cars	15		Toluene	4.95E-02	
BEK5_Cars	15	1330207		4.93E-02 4.13E-02	
CBN1_Cars	16		Acetaldehyde	0.00E+00	
CBN1_Cars	16		Acrolein	0.00E+00	
CBN1_Cars	16		Benzene	0.00E+00	
CBN1_Cars	16		1,3-Butadiene	0.00E+00	
CBN1_Cars	16		Ethylbenzene	0.00E+00	
CBN1_Cars	16		Formaldehyde	0.00E+00	
CBN1_Cars	16	110543	Hexane	0.00E+00	
CBN1_Cars	16		Methanol	0.00E+00	
CBN1_Cars	16		Methyl Ethyl Ketone	0.00E+00	
CBN1_Cars	16		Naphthalene	0.00E+00	
CBN1 Cars	16		Propylene	0.00E+00	
CBN1_Cars	16	100425	Styrene	0.00E+00	
CBN1_Cars	16		Toluene	0.00E+00	
CBN1_Cars	16	1330207		0.00E+00	
CBN2_Cars	17		Acetaldehyde	0.00E+00	
CBN2_Cars	17		Acrolein	0.00E+00	
CBN2_Cars	17		Benzene	0.00E+00	
CBN2_Cars	17		1,3-Butadiene	0.00E+00	
CBN2_Cars	17		Ethylbenzene	0.00E+00	
CBN2_Cars	17		Formaldehyde	0.00E+00	
CBN2_Cars	17		Hexane	0.00E+00	
CBN2_Cars	17		Methanol	0.00E+00	
CBN2_Cars	17		Methyl Ethyl Ketone	0.00E+00	
CBN2_Cars	17		Naphthalene	0.00E+00	
CBN2_Cars	17		Propylene	0.00E+00	
CBN2_Cars	17		Styrene	0.00E+00	
CBN2_Cars	17		Toluene	0.00E+00	0.00E+00

CBN2_Cars	17	1330207	Xvlenes	0.00E+00	0.00E+00
HY03_Cars	18		Acetaldehyde	8.88E-03	
HY03_Cars	18		Acrolein	4.12E-03	
HY03_Cars	18		Benzene	7.83E-02	
HY03_Cars	18		1,3-Butadiene	1.74E-02	
HY03_Cars	18		Ethylbenzene	3.33E-02	
HY03_Cars	18		Formaldehyde	5.01E-02	
HY03_Cars	18		Hexane	5.07E-02	5.79E-06
HY03_Cars	18	67561	Methanol	3.81E-03	4.34E-07
HY03_Cars	18	78933	Methyl Ethyl Ketone	6.34E-04	7.24E-08
HY03_Cars	18		Naphthalene	1.59E-03	1.81E-07
HY03_Cars	18	115071	Propylene	9.71E-02	1.11E-05
HY03_Cars	18		Styrene	3.81E-03	4.34E-07
HY03_Cars	18		Toluene	1.83E-01	2.09E-05
HY03_Cars	18	1330207		1.52E-01	1.74E-05
HY04_Cars	19		Acetaldehyde	7.53E-04	
HY04_Cars	19	107028	Acrolein	3.49E-04	
HY04_Cars	19		Benzene	6.64E-03	
HY04_Cars	19		1,3-Butadiene	1.48E-03	
HY04_Cars	19		Ethylbenzene	2.82E-03	
HY04_Cars	19	50000	Formaldehyde	4.25E-03	
HY04_Cars	19	110543	Hexane	4.30E-03	
HY04_Cars	19		Methanol	3.23E-04	
HY04_Cars	19		Methyl Ethyl Ketone	5.38E-05	
HY04_Cars	19		Naphthalene	1.34E-04	
HY04_Cars	19	115071	Propylene	8.23E-03	
HY04_Cars	19		Styrene	3.23E-04	
HY04_Cars	19		Toluene	1.55E-02	
HY04_Cars	19	1330207		1.29E-02	
HY05_Cars	20		Acetaldehyde	1.14E-02	
HY05_Cars	20		Acrolein	5.31E-03	
HY05_Cars	20		Benzene	1.01E-01	
HY05_Cars	20		1,3-Butadiene	2.25E-02	
HY05_Cars	20		Ethylbenzene	4.29E-02	
HY05_Cars	20		Formaldehyde	6.46E-02	
HY05_Cars	20		Hexane	6.54E-02	
HY05_Cars	20		Methanol	4.90E-03	
HY05_Cars	20		Methyl Ethyl Ketone	8.17E-04	
HY05_Cars	20		Naphthalene	2.04E-03	
HY05_Cars	20		Propylene	1.25E-01	
HY05_Cars	20		Styrene	4.90E-03	
HY05_Cars	20		Toluene	2.35E-01	
HY05_Cars	20	1330207	,	1.96E-01	
HY06_Cars	21		Acetaldehyde	1.58E-02	
HY06_Cars	21		Acrolein	7.34E-03	
HY06_Cars	21		Benzene	1.39E-01	
HY06_Cars	21	106990	1,3-Butadiene	3.10E-02	3.54E-06

HY06_Cars	21	100414	Ethylbenzene	5.93E-02	6.77E-06
HY06_Cars	21		Formaldehyde	8.92E-02	1.02E-05
HY06_Cars	21		Hexane	9.03E-02	1.03E-05
HY06_Cars	21	67561	Methanol	6.77E-03	7.73E-07
HY06_Cars	21	78933	Methyl Ethyl Ketone	1.13E-03	1.29E-07
HY06_Cars	21		Naphthalene	2.82E-03	3.22E-07
HY06_Cars	21		Propylene	1.73E-01	1.97E-05
HY06_Cars	21		Styrene	6.77E-03	7.73E-07
HY06_Cars	21		Toluene	3.25E-01	3.71E-05
HY06_Cars	21	1330207		2.71E-01	3.09E-05
PEN1_Trucks	22		Acetaldehyde	2.02E-01	2.31E-05
PEN1_Trucks	22	107028	Acrolein	9.40E-02	1.07E-05
PEN1_Trucks	22		Benzene	1.79E+00	2.04E-04
PEN1_Trucks	22		1,3-Butadiene	3.98E-01	4.54E-05
PEN1_Trucks	22		Ethylbenzene	7.59E-01	8.67E-05
PEN1_Trucks	22		Formaldehyde	1.14E+00	1.30E-04
PEN1_Trucks	22		Hexane	1.16E+00	1.32E-04
PEN1_Trucks	22		Methanol	8.68E-02	9.90E-06
PEN1_Trucks	22		Methyl Ethyl Ketone	1.45E-02	1.65E-06
PEN1_Trucks	22		Naphthalene	3.61E-02	4.13E-06
PEN1_Trucks	22		Propylene	2.21E+00	2.53E-04
PEN1_Trucks	22	100425	Styrene	8.68E-02	9.90E-06
PEN1_Trucks	22		Toluene	4.16E+00	4.75E-04
PEN1_Trucks	22	1330207		3.47E+00	3.96E-04
COR1_Trucks	23		Acetaldehyde	1.26E-03	1.44E-07
COR1_Trucks	23		Acrolein	5.84E-04	6.66E-08
COR1_Trucks	23		Benzene	1.11E-02	1.27E-06
COR1_Trucks	23		1,3-Butadiene	2.47E-03	2.82E-07
COR1_Trucks	23		Ethylbenzene	4.71E-03	5.38E-07
COR1_Trucks	23		Formaldehyde	7.09E-03	8.10E-07
COR1_Trucks	23		Hexane	7.18E-03	
COR1_Trucks	23	67561	Methanol	5.39E-04	6.15E-08
COR1_Trucks	23		Methyl Ethyl Ketone	8.98E-05	1.03E-08
COR1_Trucks	23		Naphthalene	2.25E-04	2.56E-08
COR1_Trucks	23		Propylene	1.37E-02	1.57E-06
COR1_Trucks	23		Styrene	5.39E-04	6.15E-08
COR1_Trucks	23		Toluene	2.59E-02	2.95E-06
COR1_Trucks	23	1330207		2.16E-02	2.46E-06
COR2_Trucks	24		Acetaldehyde	2.14E-02	2.44E-06
COR2_Trucks	24		Acrolein	9.92E-03	1.13E-06
COR2_Trucks	24		Benzene	1.89E-01	2.15E-05
COR2_Trucks	24		1,3-Butadiene	4.20E-02	4.79E-06
COR2_Trucks	24		Ethylbenzene	8.02E-02	9.15E-06
COR2_Trucks	24		Formaldehyde	1.21E-01	1.38E-05
COR2_Trucks	24		Hexane	1.22E-01	1.39E-05
COR2_Trucks	24		Methanol	9.16E-03	1.05E-06
COR2_Trucks	24		Methyl Ethyl Ketone	1.53E-03	1.74E-07

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COR2_Trucks	24		Naphthalene	3.82E-03	
COR2_Trucks	24		Propylene	2.34E-01	
COR2_Trucks	24	100425	Styrene	9.16E-03	1.05E-06
COR2_Trucks	24	108883	Toluene	4.40E-01	5.02E-05
COR2_Trucks	24	1330207	Xylenes	3.66E-01	4.18E-05
PEN2_Trucks	25	75070	Acetaldehyde	2.31E-02	2.63E-06
PEN2_Trucks	25		Acrolein	1.07E-02	1.22E-06
PEN2_Trucks	25	71432	Benzene	2.03E-01	2.32E-05
PEN2_Trucks	25	106990	1,3-Butadiene	4.53E-02	5.17E-06
PEN2_Trucks	25	100414	Ethylbenzene	8.64E-02	9.87E-06
PEN2_Trucks	25		Formaldehyde	1.30E-01	1.48E-05
PEN2_Trucks	25	110543	Hexane	1.32E-01	1.50E-05
PEN2_Trucks	25		Methanol	9.88E-03	1.13E-06
PEN2_Trucks	25		Methyl Ethyl Ketone	1.65E-03	
PEN2_Trucks	25		Naphthalene	4.12E-03	
PEN2_Trucks	25		Propylene	2.52E-01	
PEN2_Trucks	25	100425	Styrene	9.88E-03	
PEN2_Trucks	25		Toluene	4.74E-01	5.41E-05
PEN2_Trucks	25	1330207	Xylenes	3.95E-01	
HY01_Trucks	26		Acetaldehyde	2.81E-02	
HY01_Trucks	26		Acrolein	1.30E-02	
HY01_Trucks	26		Benzene	2.48E-01	
HY01_Trucks	26		1,3-Butadiene	5.52E-02	
HY01_Trucks	26		Ethylbenzene	1.05E-01	
HY01_Trucks	26		Formaldehyde	1.58E-01	
HY01_Trucks	26		Hexane	1.60E-01	
HY01_Trucks	26		Methanol	1.20E-02	1.37E-06
HY01_Trucks	26		Methyl Ethyl Ketone	2.01E-03	2.29E-07
HY01_Trucks	26		Naphthalene	5.01E-03	
HY01_Trucks	26	115071	Propylene	3.07E-01	3.50E-05
HY01_Trucks	26		Styrene	1.20E-02	1.37E-06
HY01_Trucks	26		Toluene	5.78E-01	6.59E-05
HY01_Trucks	26	1330207		4.81E-01	5.50E-05
HY02_Trucks	27		Acetaldehyde	4.48E-02	5.12E-06
HY02_Trucks	27		Acrolein	2.08E-02	2.38E-06
HY02_Trucks	27	71432	Benzene	3.96E-01	4.52E-05
HY02_Trucks	27	106990	1,3-Butadiene	8.81E-02	1.01E-05
HY02_Trucks	27		Ethylbenzene	1.68E-01	1.92E-05
HY02_Trucks	27		Formaldehyde	2.53E-01	
HY02_Trucks	27		Hexane	2.56E-01	2.93E-05
HY02_Trucks	27	67561	Methanol	1.92E-02	2.19E-06
HY02_Trucks	27	78933	Methyl Ethyl Ketone	3.20E-03	3.66E-07
HY02_Trucks	27		Naphthalene	8.01E-03	9.14E-07
HY02_Trucks	27		Propylene	4.90E-01	
HY02_Trucks	27		Styrene	1.92E-02	2.19E-06
HY02_Trucks	27		Toluene	9.23E-01	
HY02_Trucks	27	1330207	Xylenes	7.69E-01	8.78E-05

PEN3_Trucks	28		Acetaldehyde	2.26E-02	2.58E-06
PEN3_Trucks	28		Acrolein	1.05E-02	1.20E-06
PEN3_Trucks	28	71432	Benzene	2.00E-01	2.28E-05
PEN3_Trucks	28		1,3-Butadiene	4.45E-02	5.07E-06
PEN3_Trucks	28	100414	Ethylbenzene	8.49E-02	9.69E-06
PEN3_Trucks	28		Formaldehyde	1.28E-01	1.46E-05
PEN3_Trucks	28		Hexane	1.29E-01	1.48E-05
PEN3_Trucks	28	67561	Methanol	9.70E-03	1.11E-06
PEN3_Trucks	28		Methyl Ethyl Ketone	1.62E-03	1.85E-07
PEN3_Trucks	28		Naphthalene	4.04E-03	4.61E-07
PEN3_Trucks	28		Propylene	2.47E-01	2.82E-05
PEN3_Trucks	28		Styrene	9.70E-03	1.11E-06
PEN3_Trucks	28		Toluene	4.66E-01	5.31E-05
PEN3_Trucks	28	1330207	Xylenes	3.88E-01	4.43E-05
PEN4_Trucks	29		Acetaldehyde	3.10E-02	3.54E-06
PEN4_Trucks	29	107028	Acrolein	1.44E-02	1.64E-06
PEN4_Trucks	29	71432	Benzene	2.74E-01	3.12E-05
PEN4_Trucks	29	106990	1,3-Butadiene	6.09E-02	6.95E-06
PEN4_Trucks	29	100414	Ethylbenzene	1.16E-01	1.33E-05
PEN4_Trucks	29	50000	Formaldehyde	1.75E-01	2.00E-05
PEN4_Trucks	29	110543	Hexane	1.77E-01	2.02E-05
PEN4_Trucks	29	67561	Methanol	1.33E-02	1.52E-06
PEN4_Trucks	29	78933	Methyl Ethyl Ketone	2.22E-03	2.53E-07
PEN4_Trucks	29		Naphthalene	5.54E-03	6.32E-07
PEN4_Trucks	29	115071	Propylene	3.39E-01	3.87E-05
PEN4_Trucks	29	100425	Styrene	1.33E-02	1.52E-06
PEN4_Trucks	29	108883	Toluene	6.38E-01	7.28E-05
PEN4_Trucks	29	1330207	Xylenes	5.32E-01	6.07E-05
WTX1_Trucks	30	75070	Acetaldehyde	8.38E-03	9.57E-07
WTX1_Trucks	30	107028	Acrolein	3.89E-03	4.44E-07
WTX1_Trucks	30	71432	Benzene	7.39E-02	8.44E-06
WTX1_Trucks	30		1,3-Butadiene	1.65E-02	1.88E-06
WTX1_Trucks	30	100414	Ethylbenzene	3.14E-02	3.59E-06
WTX1_Trucks	30	50000	Formaldehyde	4.73E-02	5.40E-06
WTX1_Trucks	30	110543	Hexane	4.79E-02	5.47E-06
WTX1_Trucks	30	67561	Methanol	3.59E-03	4.10E-07
WTX1_Trucks	30	78933	Methyl Ethyl Ketone	5.99E-04	6.83E-08
WTX1_Trucks	30	91203	Naphthalene	1.50E-03	1.71E-07
WTX1_Trucks	30	115071	Propylene	9.16E-02	1.05E-05
WTX1_Trucks	30	100425	Styrene	3.59E-03	
WTX1_Trucks	30		Toluene	1.72E-01	
WTX1_Trucks	30	1330207		1.44E-01	
BEK1_Trucks	31		Acetaldehyde	2.89E-02	
BEK1_Trucks	31		Acrolein	1.34E-02	
BEK1_Trucks	31	71432	Benzene	2.55E-01	
BEK1_Trucks	31		1,3-Butadiene	5.68E-02	
BEK1_Trucks	31	100111	Ethylbenzene	1.08E-01	1.24E-05

BEK1_Trucks	31	50000	Formaldehyde	1.63E-01	1.86E-05
BEK1_Trucks	31		Hexane	1.65E-01	
BEK1_Trucks	31		Methanol	1.24E-02	
BEK1_Trucks	31		Methyl Ethyl Ketone	2.07E-03	
BEK1_Trucks	31		Naphthalene	5.16E-03	
BEK1_Trucks	31		Propylene	3.16E-01	
BEK1_Trucks	31		Styrene	1.24E-02	
BEK1_Trucks	31		Toluene	5.95E-01	
BEK1_Trucks	31	1330207		4.96E-01	
BEK2_Trucks	32		Acetaldehyde	2.89E-02	
BEK2_Trucks	32		Acrolein	1.34E-02	
BEK2_Trucks	32		Benzene	2.55E-01	
BEK2_Trucks	32		1,3-Butadiene	5.68E-02	
BEK2_Trucks	32		Ethylbenzene	1.08E-01	
BEK2_Trucks	32		Formaldehyde	1.63E-01	1.86E-05
BEK2_Trucks	32		Hexane	1.65E-01	1.89E-05
BEK2_Trucks	32		Methanol	1.24E-02	1.41E-06
BEK2_Trucks	32	78933	Methyl Ethyl Ketone	2.07E-03	2.36E-07
BEK2_Trucks	32		Naphthalene	5.16E-03	5.89E-07
BEK2_Trucks	32		Propylene	3.16E-01	3.61E-05
BEK2_Trucks	32		Styrene	1.24E-02	1.41E-06
BEK2_Trucks	32	108883	Toluene	5.95E-01	6.79E-05
BEK2_Trucks	32	1330207	Xylenes	4.96E-01	5.66E-05
HY04_Cars	19	75070	Acetaldehyde	2.10E-03	2.39E-07
COR3_Trucks	33	107028	Acrolein	1.95E-03	2.22E-07
COR3_Trucks	33	71432	Benzene	3.70E-02	4.22E-06
COR3_Trucks	33	106990	1,3-Butadiene	8.23E-03	9.40E-07
COR3_Trucks	33		Ethylbenzene	1.57E-02	
COR3_Trucks	33		Formaldehyde	2.36E-02	2.70E-06
COR3_Trucks	33		Hexane	2.39E-02	
COR3_Trucks	33		Methanol	1.80E-03	
COR3_Trucks	33		Methyl Ethyl Ketone	2.99E-04	3.42E-08
COR3_Trucks	33		Naphthalene	7.48E-04	
COR3_Trucks	33		Propylene	4.58E-02	
COR3_Trucks	33		Styrene	1.80E-03	
COR3_Trucks	33		Toluene	8.62E-02	
COR3_Trucks	33	1330207	,	7.18E-02	
BEK3_Trucks	34		Acetaldehyde	1.09E-02	
BEK3_Trucks	34		Acrolein	5.06E-03	
BEK3_Trucks	34		Benzene	9.61E-02	
BEK3_Trucks	34		1,3-Butadiene	2.14E-02	
BEK3_Trucks	34		Ethylbenzene	4.09E-02	
BEK3_Trucks	34		Formaldehyde	6.15E-02	
BEK3_Trucks	34		Hexane	6.23E-02	
BEK3_Trucks	34		Methanol	4.67E-03	
BEK3_Trucks	34		Methyl Ethyl Ketone	7.78E-04	
BEK3_Trucks	34	91203	Naphthalene	1.95E-03	2.22E-07

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BEK3_Trucks	34		Propylene	1.19E-01	1.36E-05
BEK3_Trucks	34		Styrene	4.67E-03	5.33E-07
BEK3_Trucks	34		Toluene	2.24E-01	2.56E-05
BEK3_Trucks	34	1330207		1.87E-01	2.13E-05
BEK4_Trucks	35		Acetaldehyde	4.19E-03	4.78E-07
BEK4_Trucks	35		Acrolein	1.95E-03	2.22E-07
BEK4_Trucks	35		Benzene	3.70E-02	4.22E-06
BEK4_Trucks	35		1,3-Butadiene	8.23E-03	9.40E-07
BEK4_Trucks	35		Ethylbenzene	1.57E-02	1.79E-06
BEK4_Trucks	35		Formaldehyde	2.36E-02	2.70E-06
BEK4_Trucks	35		Hexane	2.39E-02	2.73E-06
BEK4_Trucks	35		Methanol	1.80E-03	2.05E-07
BEK4_Trucks	35		Methyl Ethyl Ketone	2.99E-04	3.42E-08
BEK4_Trucks	35		Naphthalene	7.48E-04	8.54E-08
BEK4_Trucks	35		Propylene	4.58E-02	5.23E-06
BEK4_Trucks	35		Styrene	1.80E-03	2.05E-07
BEK4_Trucks	35		Toluene	8.62E-02	9.84E-06
BEK4_Trucks	35	1330207		7.18E-02	8.20E-06
BEK5_Trucks	36		Acetaldehyde	6.71E-03	7.65E-07
BEK5_Trucks	36		Acrolein	3.11E-03	3.55E-07
BEK5_Trucks	36		Benzene	5.92E-02	6.75E-06
BEK5_Trucks	36		1,3-Butadiene	1.32E-02	1.50E-06
BEK5_Trucks	36		Ethylbenzene	2.51E-02	2.87E-06
BEK5_Trucks	36		Formaldehyde	3.78E-02	4.32E-06
BEK5_Trucks	36		Hexane	3.83E-02	4.37E-06
BEK5_Trucks	36		Methanol	2.87E-03	3.28E-07
BEK5_Trucks	36		Methyl Ethyl Ketone	4.79E-04	5.47E-08
BEK5_Trucks	36	91203	Naphthalene	1.20E-03	1.37E-07
BEK5_Trucks	36		Propylene	7.33E-02	8.37E-06
BEK5_Trucks	36		Styrene	2.87E-03	3.28E-07
BEK5_Trucks	36		Toluene	1.38E-01	1.57E-05
BEK5_Trucks	36	1330207		1.15E-01	1.31E-05
CBN1_Trucks	37 37		Acetaldehyde Acrolein	0.00E+00 0.00E+00	0.00E+00
CBN1_Trucks					0.00E+00
CBN1_Trucks	37 37		Benzene	0.00E+00	0.00E+00
CBN1_Trucks CBN1_Trucks	37		1,3-Butadiene Ethylbenzene	0.00E+00 0.00E+00	0.00E+00 0.00E+00
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CBN1_Trucks CBN1_Trucks	37 37		Formaldehyde Hexane	0.00E+00 0.00E+00	0.00E+00 0.00E+00
CBN1_Trucks	37		Methanol	0.00E+00 0.00E+00	
CBN1_Trucks	37			0.00E+00	0.00E+00 0.00E+00
CBN1_Trucks	37		Methyl Ethyl Ketone	0.00E+00	0.00E+00 0.00E+00
	37		Naphthalene Propylone	0.00E+00	
CBN1_Trucks CBN1_Trucks	37		Propylene Styrene	0.00E+00	0.00E+00 0.00E+00
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CBN1_Trucks			Toluene	0.00E+00	0.00E+00
CBN1_Trucks	37	1330207	,	0.00E+00	0.00E+00
CBN2_Trucks	38	75070	Acetaldehyde	0.00E+00	0.00E+00

CBN2_Trucks	38	107028	Acrolein	0.00E+00	0.00E+00
CBN2_Trucks	38	71432	Benzene	0.00E+00	0.00E+00
CBN2_Trucks	38	106990	1,3-Butadiene	0.00E+00	0.00E+00
CBN2_Trucks	38	100414	Ethylbenzene	0.00E+00	0.00E+00
CBN2_Trucks	38		Formaldehyde	0.00E+00	0.00E+00
CBN2_Trucks	38		Hexane	0.00E+00	0.00E+00
CBN2_Trucks	38	67561	Methanol	0.00E+00	0.00E+00
CBN2_Trucks	38	78933	Methyl Ethyl Ketone	0.00E+00	0.00E+00
CBN2_Trucks	38	91203	Naphthalene	0.00E+00	0.00E+00
CBN2_Trucks	38	115071	Propylene	0.00E+00	0.00E+00
CBN2_Trucks	38	100425	Styrene	0.00E+00	0.00E+00
CBN2_Trucks	38	108883	Toluene	0.00E+00	0.00E+00
CBN2_Trucks	38	1330207	Xylenes	0.00E+00	0.00E+00
HY03_Trucks	39	75070	Acetaldehyde	2.47E-02	2.82E-06
HY03_Trucks	39	107028	Acrolein	1.15E-02	1.31E-06
HY03_Trucks	39		Benzene	2.18E-01	2.49E-05
HY03_Trucks	39		1,3-Butadiene	4.86E-02	5.54E-06
HY03_Trucks	39	100414	Ethylbenzene	9.27E-02	1.06E-05
HY03_Trucks	39		Formaldehyde	1.40E-01	1.59E-05
HY03_Trucks	39	110543	Hexane	1.41E-01	1.61E-05
HY03_Trucks	39		Methanol	1.06E-02	1.21E-06
HY03_Trucks	39		Methyl Ethyl Ketone	1.77E-03	2.02E-07
HY03_Trucks	39		Naphthalene	4.42E-03	5.04E-07
HY03_Trucks	39		Propylene	2.70E-01	3.08E-05
HY03_Trucks	39		Styrene	1.06E-02	1.21E-06
HY03_Trucks	39		Toluene	5.09E-01	5.81E-05
HY03_Trucks	39	1330207		4.24E-01	4.84E-05
HY04_Trucks	40		Acetaldehyde	2.10E-03	2.39E-07
HY04_Trucks	40		Acrolein	9.73E-04	1.11E-07
HY04_Trucks	40		Benzene	1.85E-02	2.11E-06
HY04_Trucks	40		1,3-Butadiene	4.12E-03	
HY04_Trucks	40		Ethylbenzene	7.86E-03	8.97E-07
HY04_Trucks	40		Formaldehyde	1.18E-02	1.35E-06
HY04_Trucks	40		Hexane	1.20E-02	1.37E-06
HY04_Trucks	40		Methanol	8.98E-04	1.03E-07
HY04_Trucks	40		Methyl Ethyl Ketone	1.50E-04	1.71E-08
HY04_Trucks	40		Naphthalene	3.74E-04	4.27E-08
HY04_Trucks	40		Propylene	2.29E-02	2.61E-06
HY04_Trucks	40		Styrene	8.98E-04	1.03E-07
HY04_Trucks	40		Toluene	4.31E-02	4.92E-06
HY04_Trucks	40	1330207	,	3.59E-02	4.10E-06
HY05_Trucks	41		Acetaldehyde	3.19E-02	3.64E-06
HY05_Trucks	41		Acrolein	1.48E-02	1.69E-06
HY05_Trucks	41		Benzene	2.81E-01	3.21E-05
HY05_Trucks	41		1,3-Butadiene	6.26E-02	7.14E-06
HY05_Trucks	41		Ethylbenzene	1.19E-01	1.36E-05
HY05_Trucks	41	50000	Formaldehyde	1.80E-01	2.05E-05

HY05_Trucks	41	110543	Hexane	1.82E-01	2.08E-05
HY05_Trucks	41		Methanol	1.37E-02	1.56E-06
HY05_Trucks	41	78933	Methyl Ethyl Ketone	2.28E-03	2.60E-07
HY05_Trucks	41		Naphthalene	5.69E-03	6.49E-07
HY05_Trucks	41	115071	Propylene	3.48E-01	3.97E-05
HY05_Trucks	41	100425	Styrene	1.37E-02	1.56E-06
HY05_Trucks	41	108883	Toluene	6.55E-01	7.48E-05
HY05_Trucks	41	1330207	Xylenes	5.46E-01	6.23E-05
HY06_Trucks	42	75070	Acetaldehyde	4.40E-02	5.02E-06
HY06_Trucks	42	107028	Acrolein	2.04E-02	2.33E-06
HY06_Trucks	42	71432	Benzene	3.88E-01	4.43E-05
HY06_Trucks	42	106990	1,3-Butadiene	8.64E-02	9.87E-06
HY06_Trucks	42	100414	Ethylbenzene	1.65E-01	1.88E-05
HY06_Trucks	42	50000	Formaldehyde	2.48E-01	2.83E-05
HY06_Trucks	42	110543	Hexane	2.51E-01	2.87E-05
HY06_Trucks	42	67561	Methanol	1.89E-02	2.15E-06
HY06_Trucks	42	78933	Methyl Ethyl Ketone	3.14E-03	3.59E-07
HY06_Trucks	42	91203	Naphthalene	7.86E-03	8.97E-07
HY06_Trucks	42	115071	Propylene	4.81E-01	5.49E-05
HY06_Trucks	42	100425	Styrene	1.89E-02	2.15E-06
HY06_Trucks	42	108883	Toluene	9.05E-01	1.03E-04
HY06_Trucks	42	1330207	Xylenes	7.54E-01	8.61E-05

HARP2 Emission Inputs (Alternative 2 - Mitigated)

	Inputs (Atternati	<i>,</i>		(Full Build Ops - Onsite)		
SRC ID	SRC No.	CAS	Pollutant	lb/yr		
GEN_A	1	9901	DieselExhPM	1.18E+00	0.00E+00	
GEN_B	2	9901	DieselExhPM	1.18E+00	0.00E+00	
GEN_C	3	9901	DieselExhPM	1.18E+00	0.00E+00	
FWP_A	2	9901	DieselExhPM	5.92E-01	0.00E+00	
FWP_B	3	9901	DieselExhPM	5.92E-01	0.00E+00	
FWP_C	4	9901	DieselExhPM	5.92E-01	0.00E+00	
TRU_A	3	9901	DieselExhPM	3.15E+00	0.00E+00	
TRU_B	4	9901	DieselExhPM	3.28E+00	0.00E+00	
TRU_C	5	9901	DieselExhPM	3.10E+00	0.00E+00	
FLA	4	9901	DieselExhPM	0.00E+00	0.00E+00	
FLB	5	9901	DieselExhPM	0.00E+00	0.00E+00	
FLC	6	9901	DieselExhPM	0.00E+00	0.00E+00	
CARS	5	9901	DieselExhPM	1.40E+00	0.00E+00	
TRUCKS	6	9901	DieselExhPM	6.66E-02	0.00E+00	
CARS	5	75070	Acetaldehyde	4.76E-01	5.43E-05	
CARS	5	107028	Acrolein	2.21E-01	2.52E-05	
CARS	5	71432	Benzene	4.20E+00	4.79E-04	
CARS	5	106990	1,3-Butadiene	9.35E-01	1.07E-04	
CARS	5		Ethylbenzene	1.79E+00	2.04E-04	
CARS	5		Formaldehyde	2.69E+00	3.07E-04	
CARS	5		Hexane	2.72E+00	3.11E-04	
CARS	5	67561	Methanol	2.04E-01	2.33E-05	
CARS	5	78933	Methyl Ethyl Ketone	3.40E-02	3.88E-06	
CARS	5		Naphthalene	8.50E-02	9.70E-06	
CARS	5		Propylene	5.20E+00	5.94E-04	
CARS	5		Styrene	2.04E-01	2.33E-05	
CARS	5		Toluene	9.79E+00	1.12E-03	
CARS	5	1330207	Xylenes	8.16E+00	9.32E-04	
TRUCKS	6		Acetaldehyde	1.82E-04	2.07E-08	
TRUCKS	6		Acrolein	8.43E-05	9.63E-09	
TRUCKS	6	71432	Benzene	1.60E-03	1.83E-07	
TRUCKS	6	106990	1,3-Butadiene	3.57E-04	4.07E-08	
TRUCKS	6	100414	Ethylbenzene	6.81E-04	7.77E-08	
TRUCKS	6		Formaldehyde	1.02E-03	1.17E-07	
TRUCKS	6	110543	Hexane	1.04E-03	1.18E-07	
TRUCKS	6	67561	Methanol	7.78E-05	8.89E-09	
TRUCKS	6	78933	Methyl Ethyl Ketone	1.30E-05	1.48E-09	
TRUCKS	6	91203	Naphthalene	3.24E-05	3.70E-09	
TRUCKS	6	115071	Propylene	1.98E-03	2.27E-07	
TRUCKS	6		Styrene	7.78E-05	8.89E-09	
TRUCKS	6		Toluene	3.74E-03	4.27E-07	
TRUCKS	6	1330207	Xylenes	3.11E-03	3.55E-07	