

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	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
$\mu\text{g}/\text{m}^3$	micrograms per cubic meter
NAD83	North American Datum 1983
NED	National Elevation Dataset
NO_x	oxides of nitrogen
PM_{10}	respirable particulate matter equal to or less than 10 micrometers in diameter
$\text{PM}_{2.5}$	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	Acreage¹	Associated Buildings	Paved Area² (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:

¹. Totals do not add due to rounding.

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

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



Figure 1-1 Regional Location

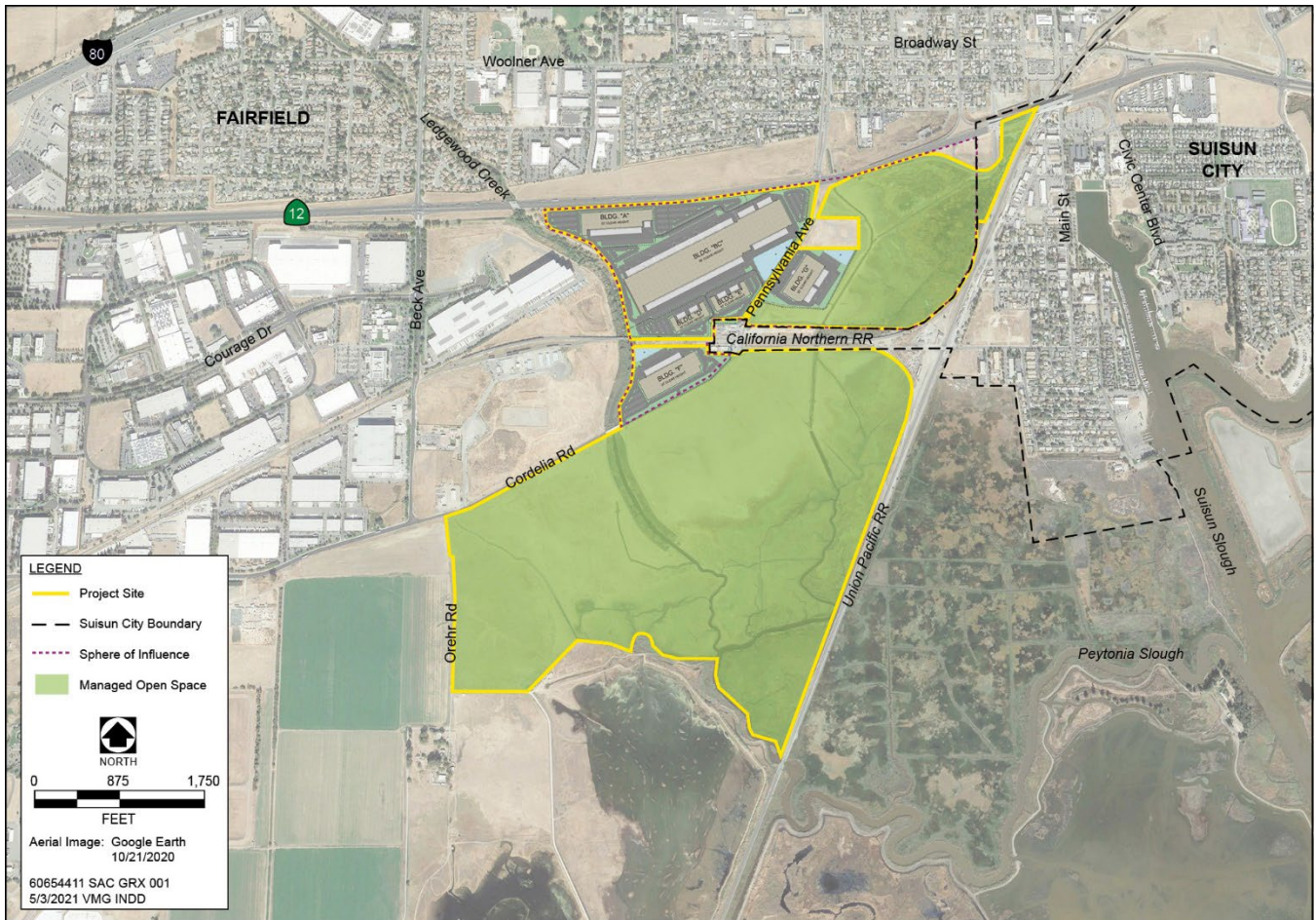
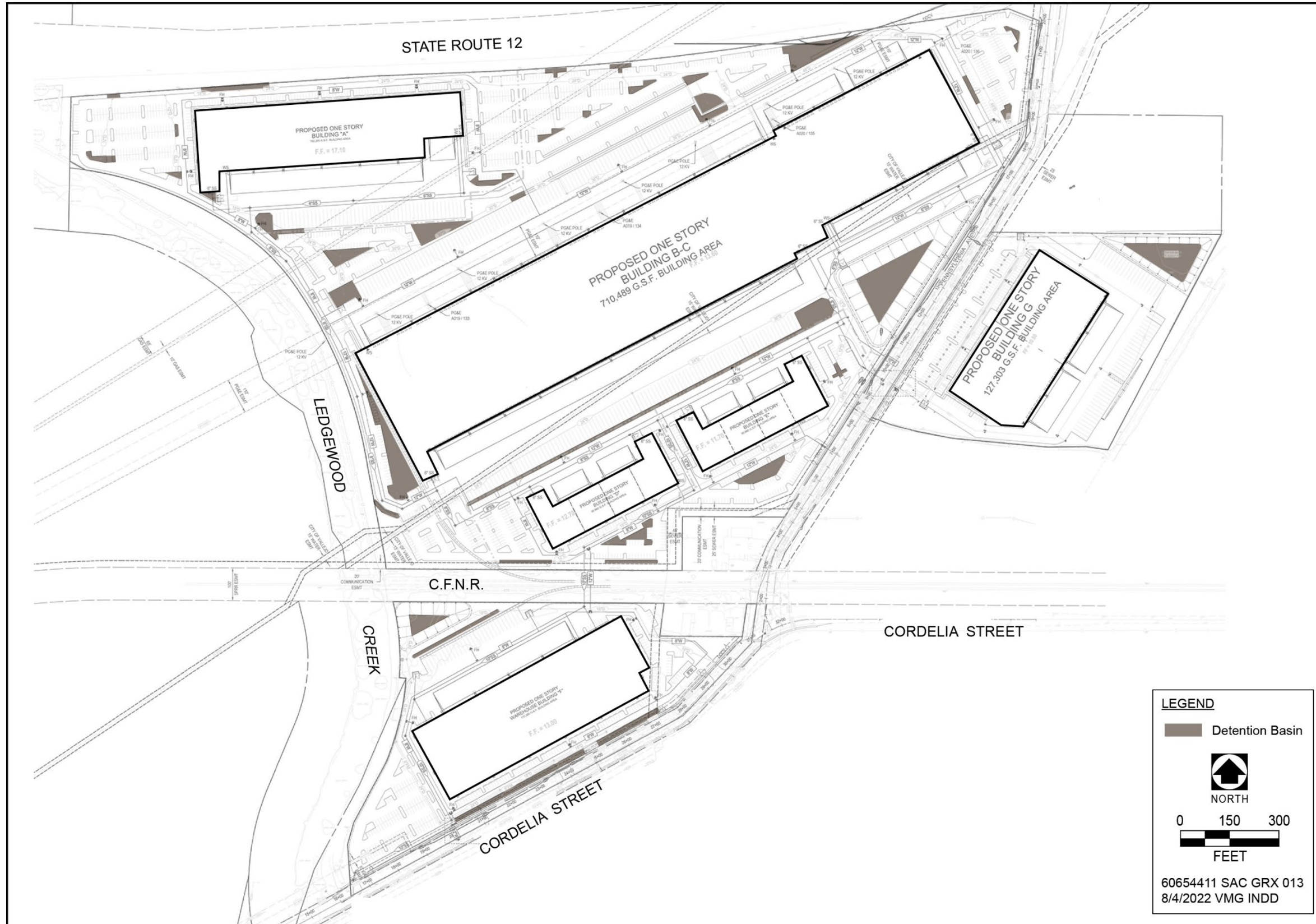


Figure 1-2 Development Area



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

¹ 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:

1. *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.
2. *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 off-gassing 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 PM_{2.5} 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 as 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.

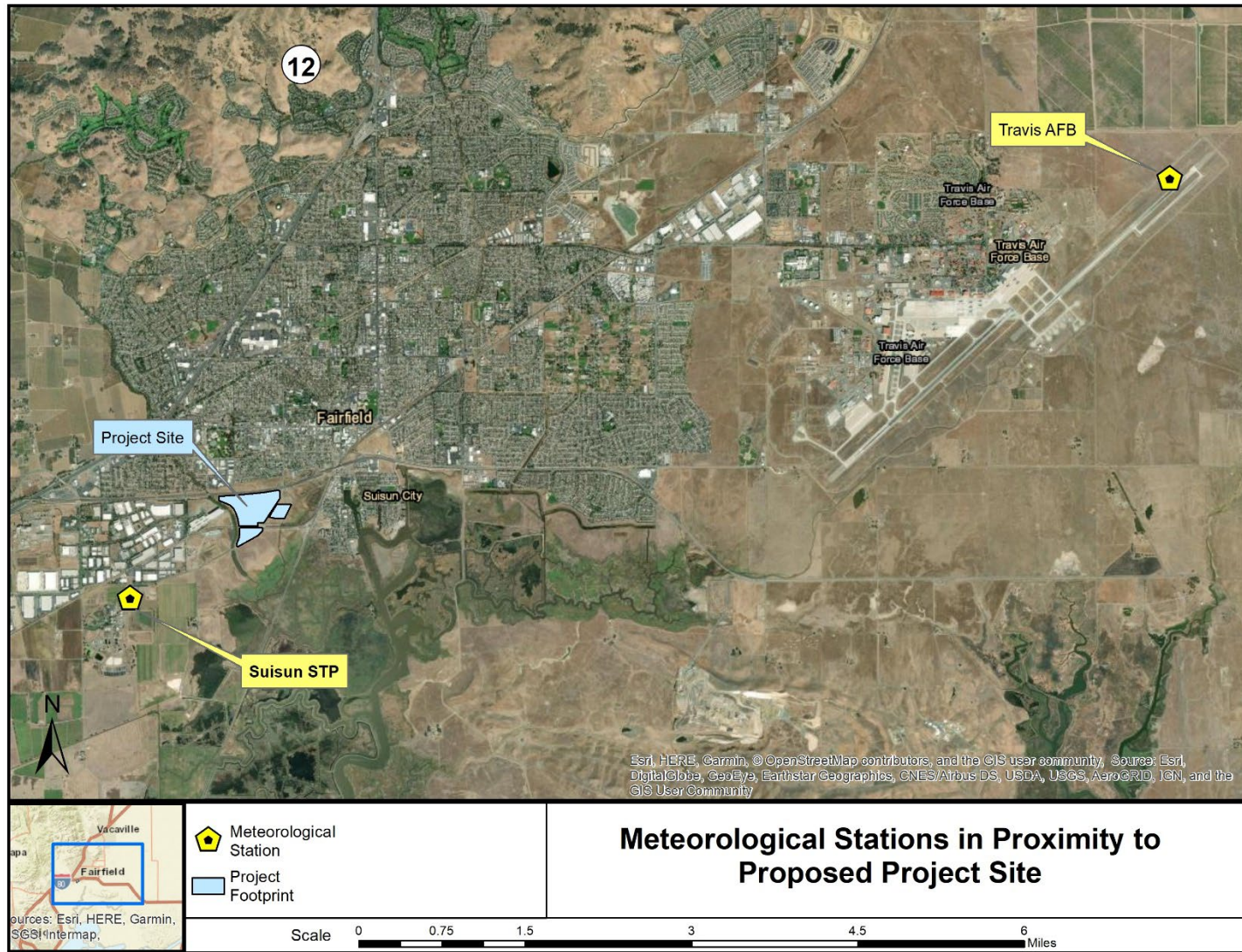


Figure 3-1 Location of Nearby Meteorological Stations

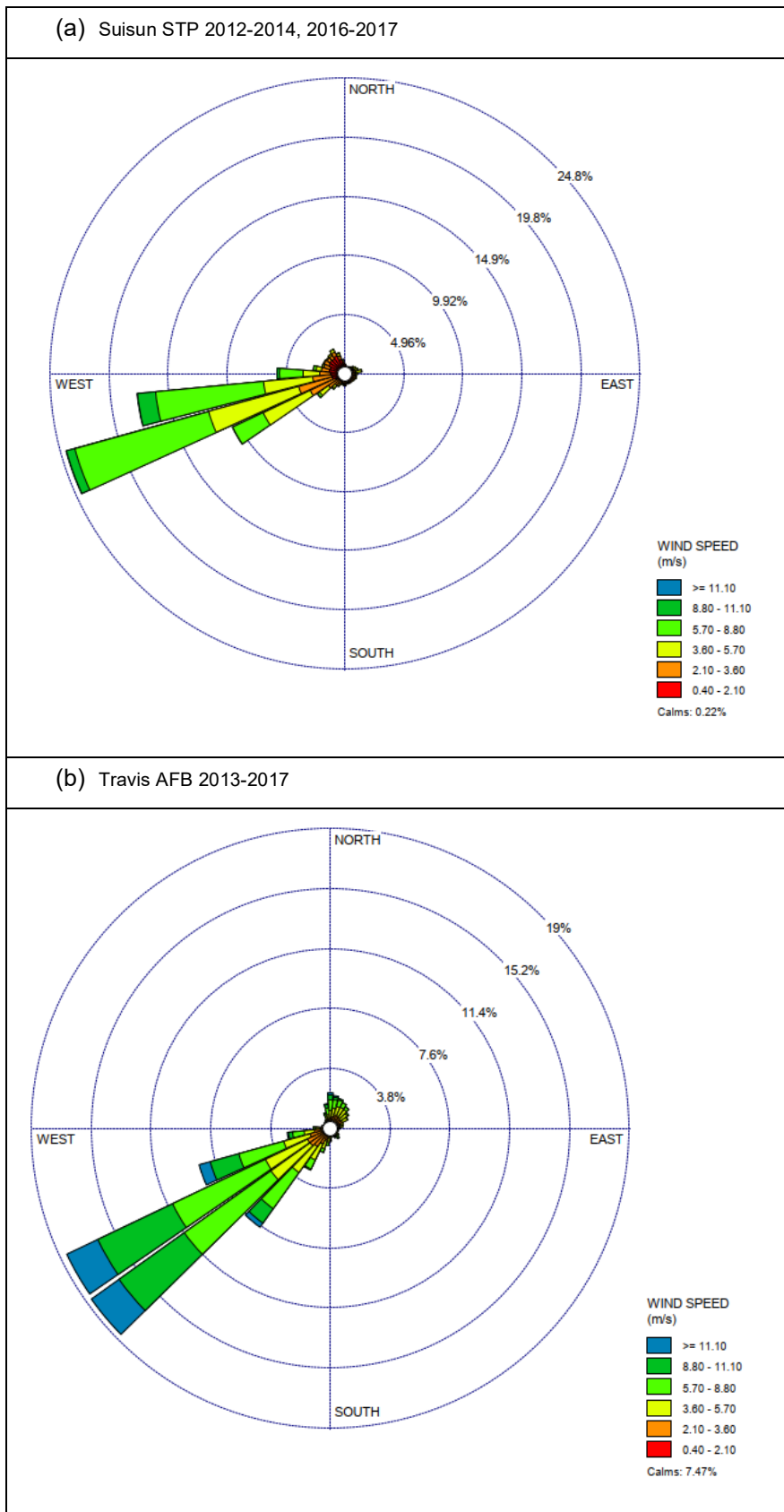


Figure 3-2 Wind Roses (a) Suisun STP and (b) Travis AFB

Source: BAAQMD 2022

3.2 Rural/Urban Dispersion Environment

One of the factors affecting input parameters to dispersion models is the assessment of the model 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."

⁵ 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-foot (1-meter) vertical resolution and 32.81-foot (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>

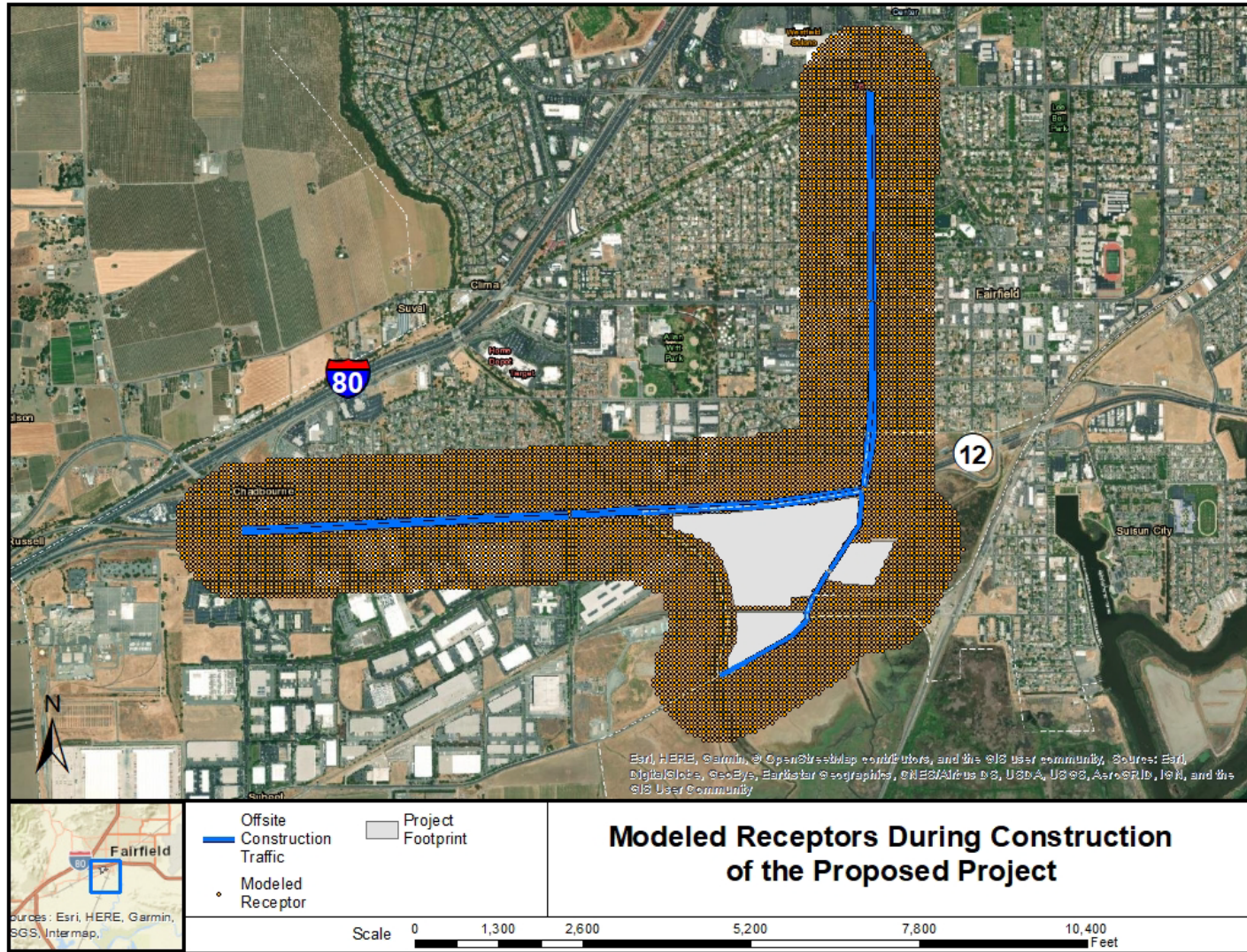


Figure 3-3 Construction HRA Receptor Locations

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

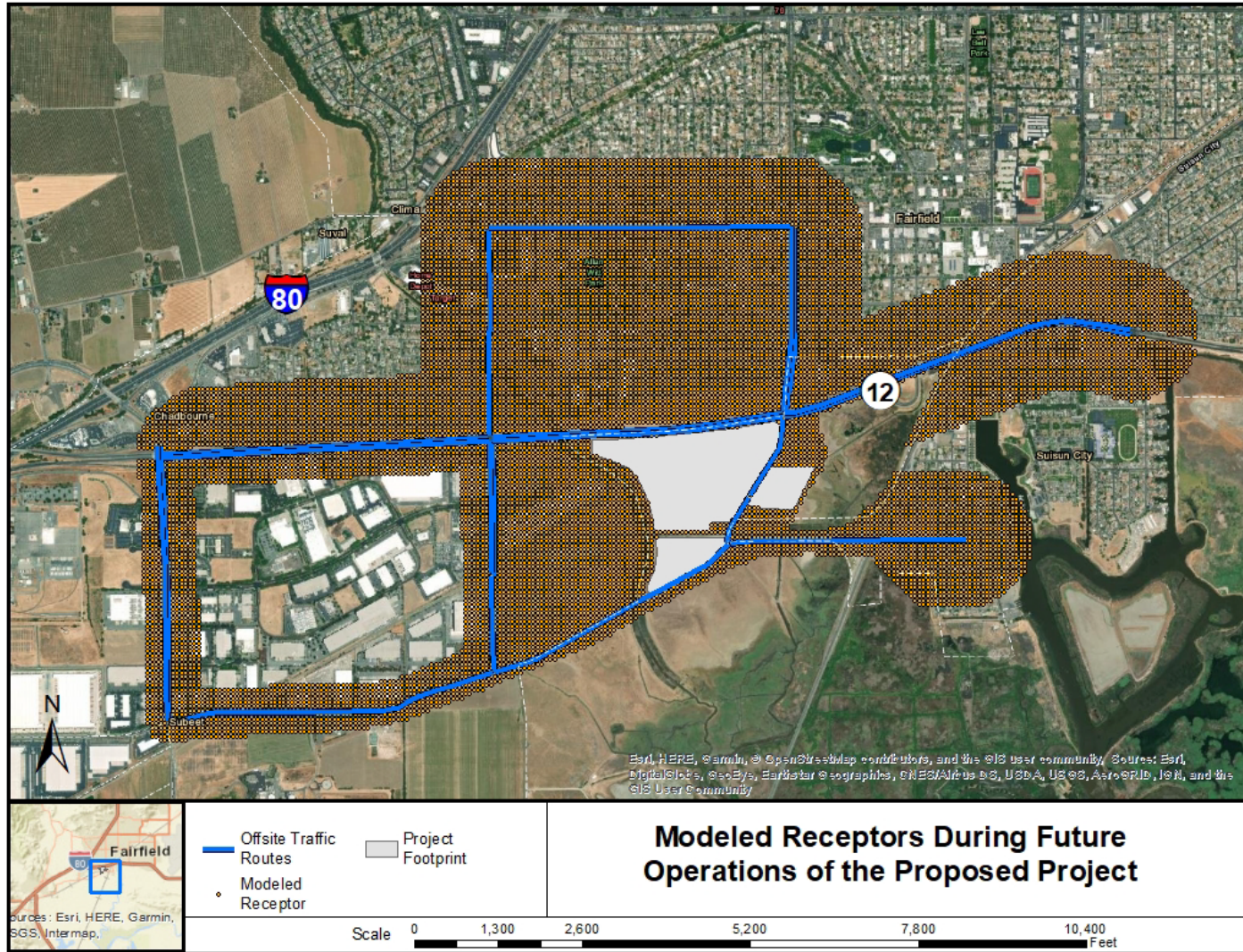


Figure 3-4 Operations HRA Receptor Locations

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.

¹ For projects areas less than 5 acres.

Source: SCAQMD 2008

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.

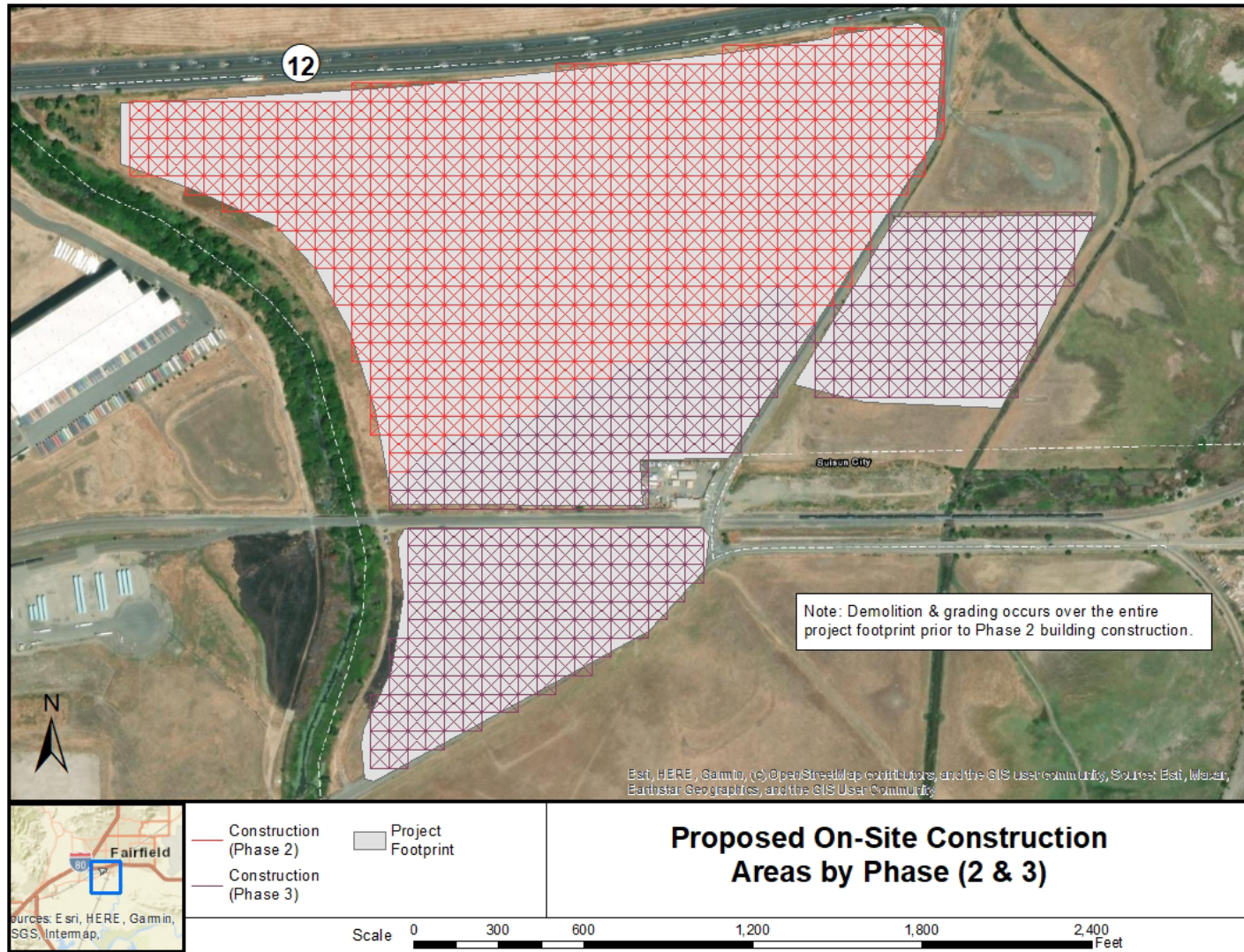


Figure 3-5 Construction HRA On-Site Emission Sources

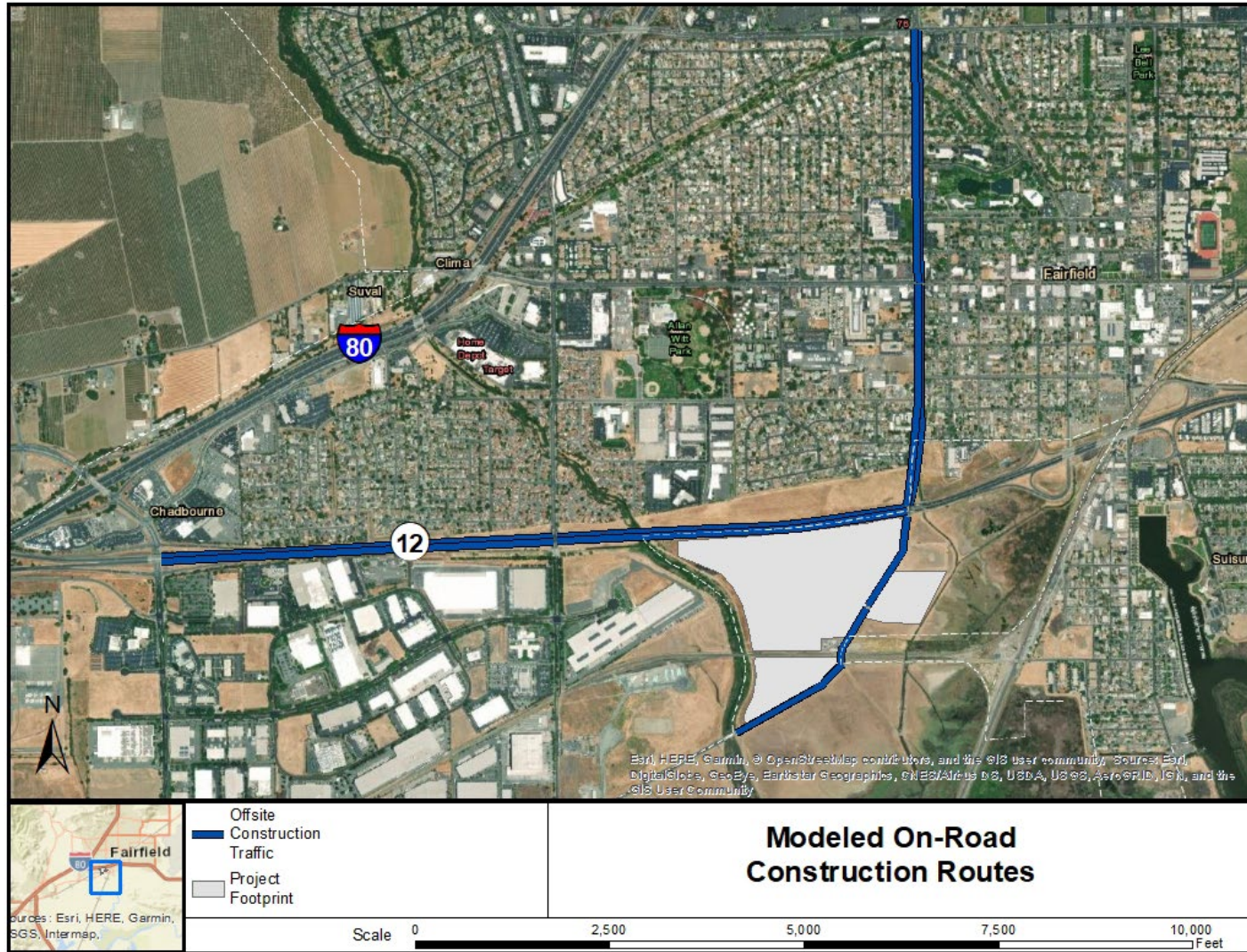


Figure 3-6 Construction Offsite Traffic Routes

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	A	3.660	Vertical	739.80	45.33	0.183
GEN_BC	Generator	BC	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	E	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	A	3.660	Vertical	644.15	17.80	0.305
FWP_BC	Fire Water Pump	BC	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	E	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

¹ BAAQMD 2023

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

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: [Bay Area Air Quality Management District California Environmental Quality Act Air Quality Guidelines \(baaqmd.gov\)](https://www.baaqmd.gov/california-environmental-quality-act-air-quality-guidelines). 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) ₁	Stack Diameter (m) ₁
3.962	Vertical	501.0	49.0	0.044

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

¹ SJVAPCD 2015

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).

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

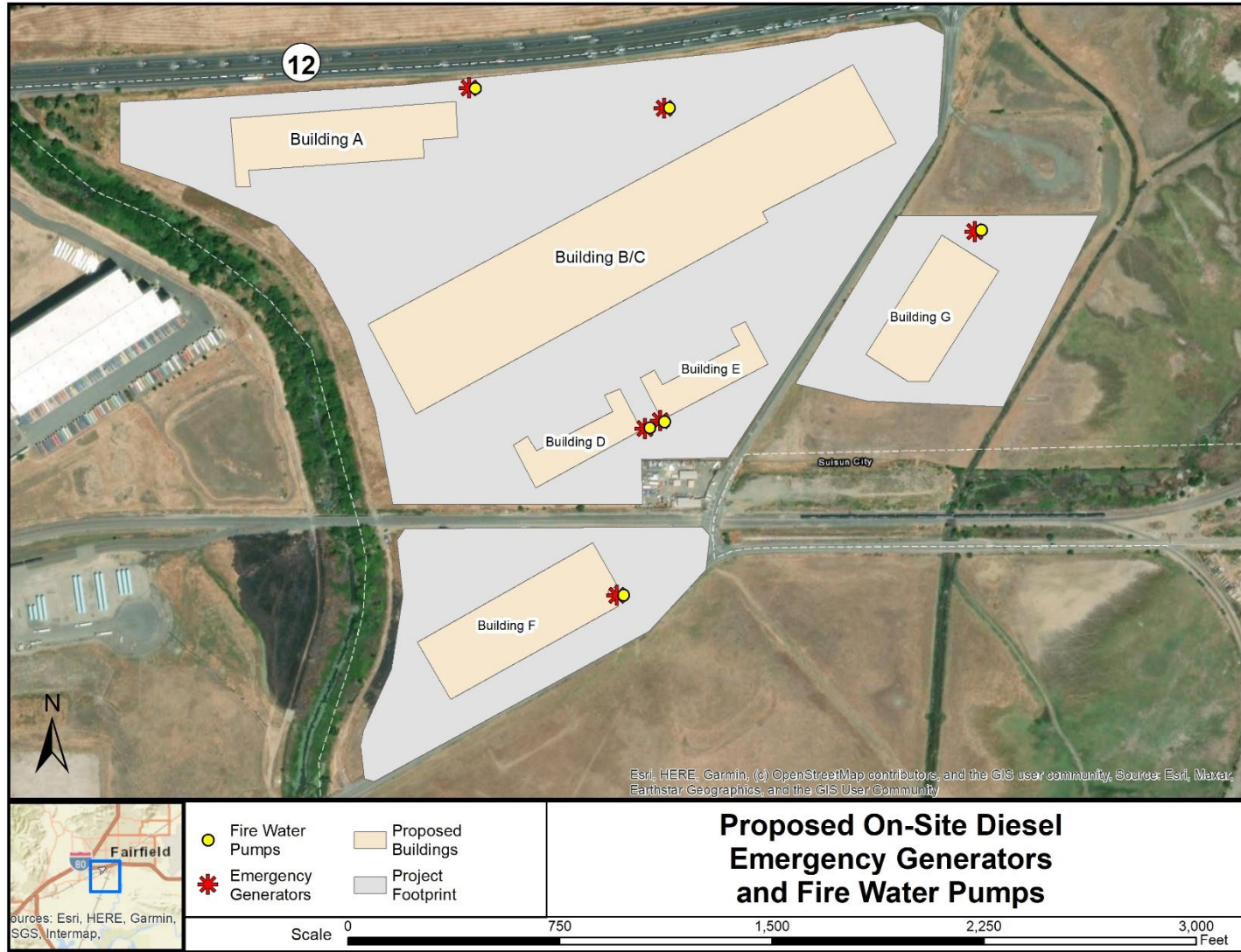


Figure 3-7 Emergency Generators and Fire Water Pumps Associated with Proposed Project

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

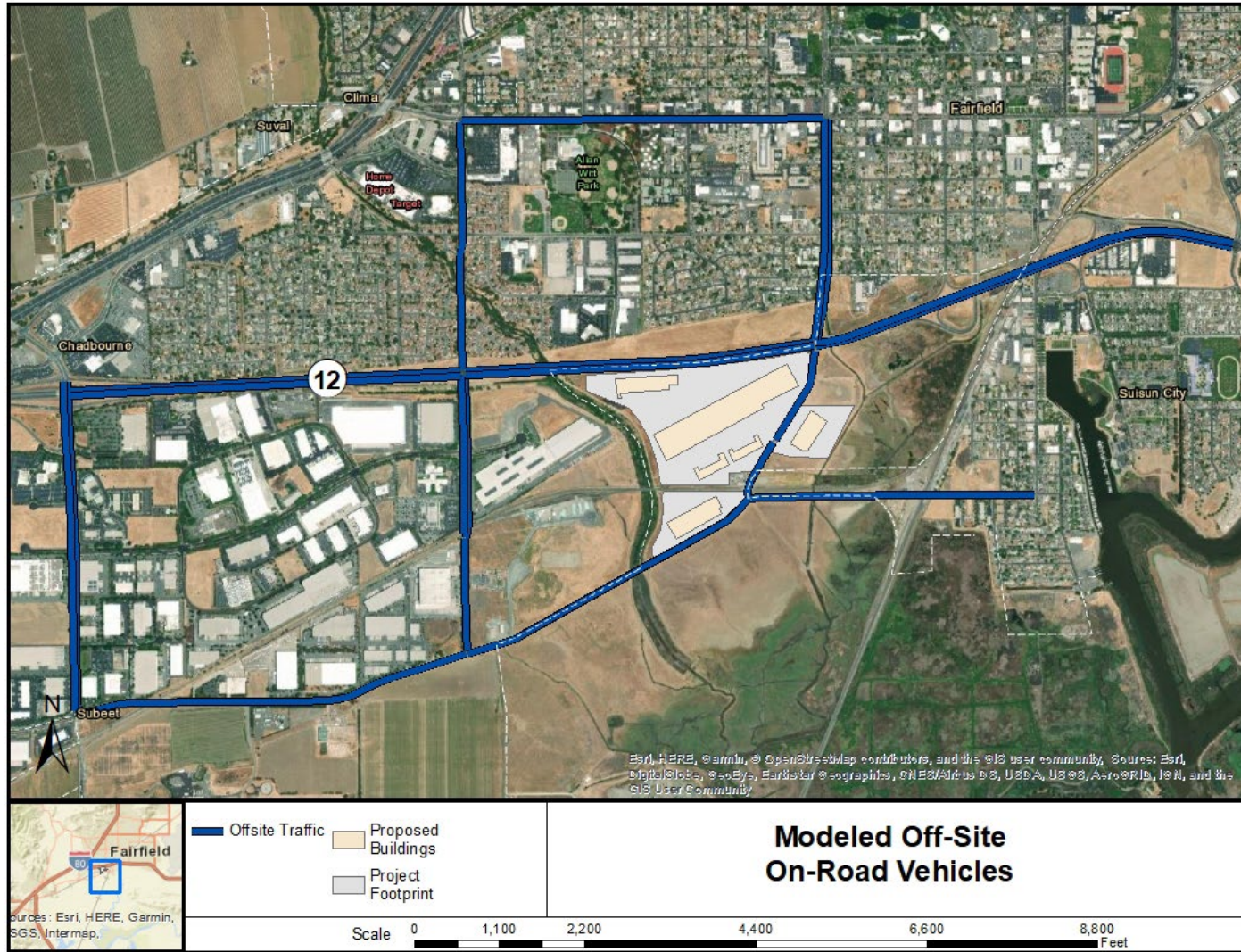


Figure 3-8 Operational Offsite Traffic Routes

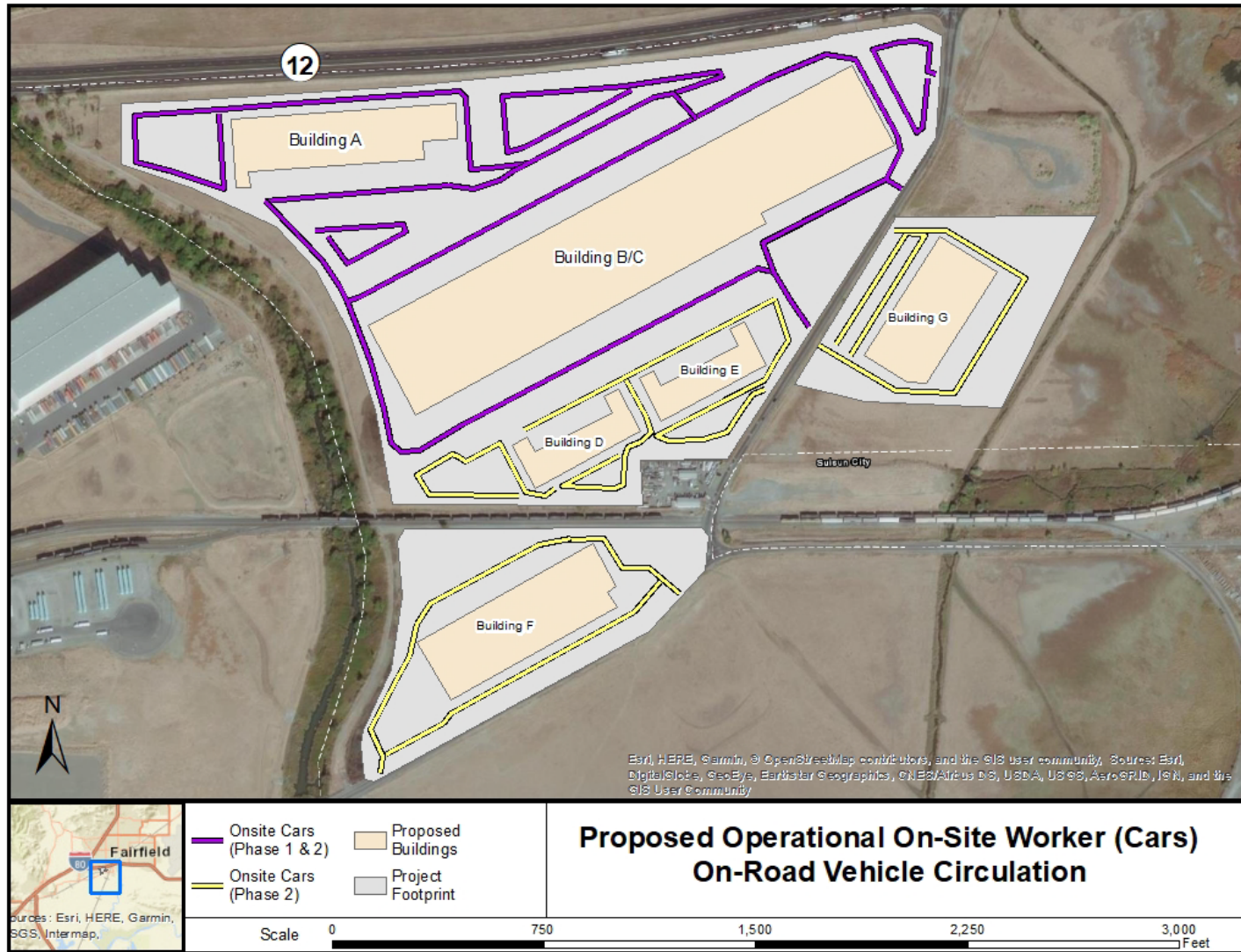


Figure 3-9 Operations On-Road Emission Sources (Onsite Circulation – Personal Cars)

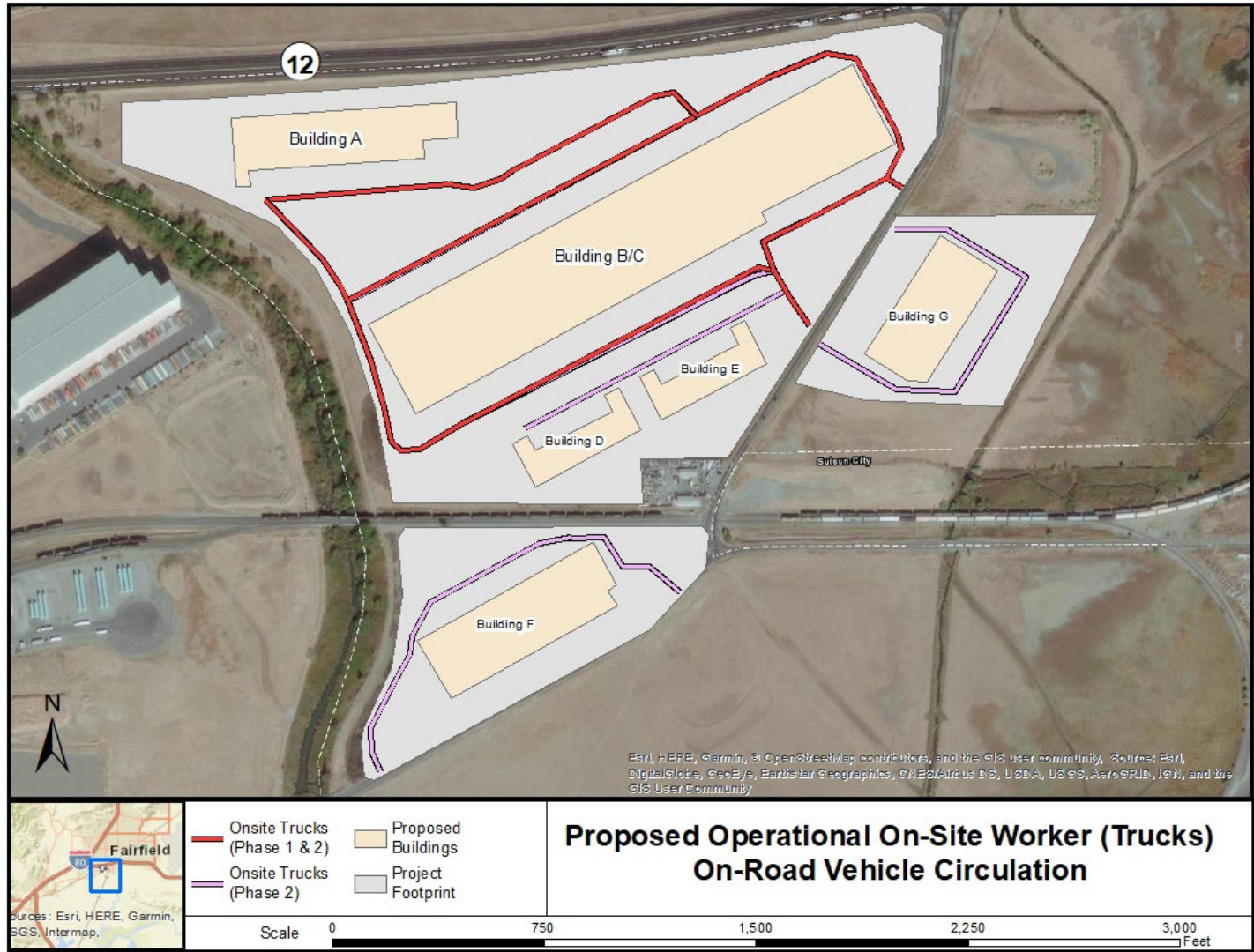


Figure 3-10 Operations On-Road Emission Sources (Offsite Circulation)

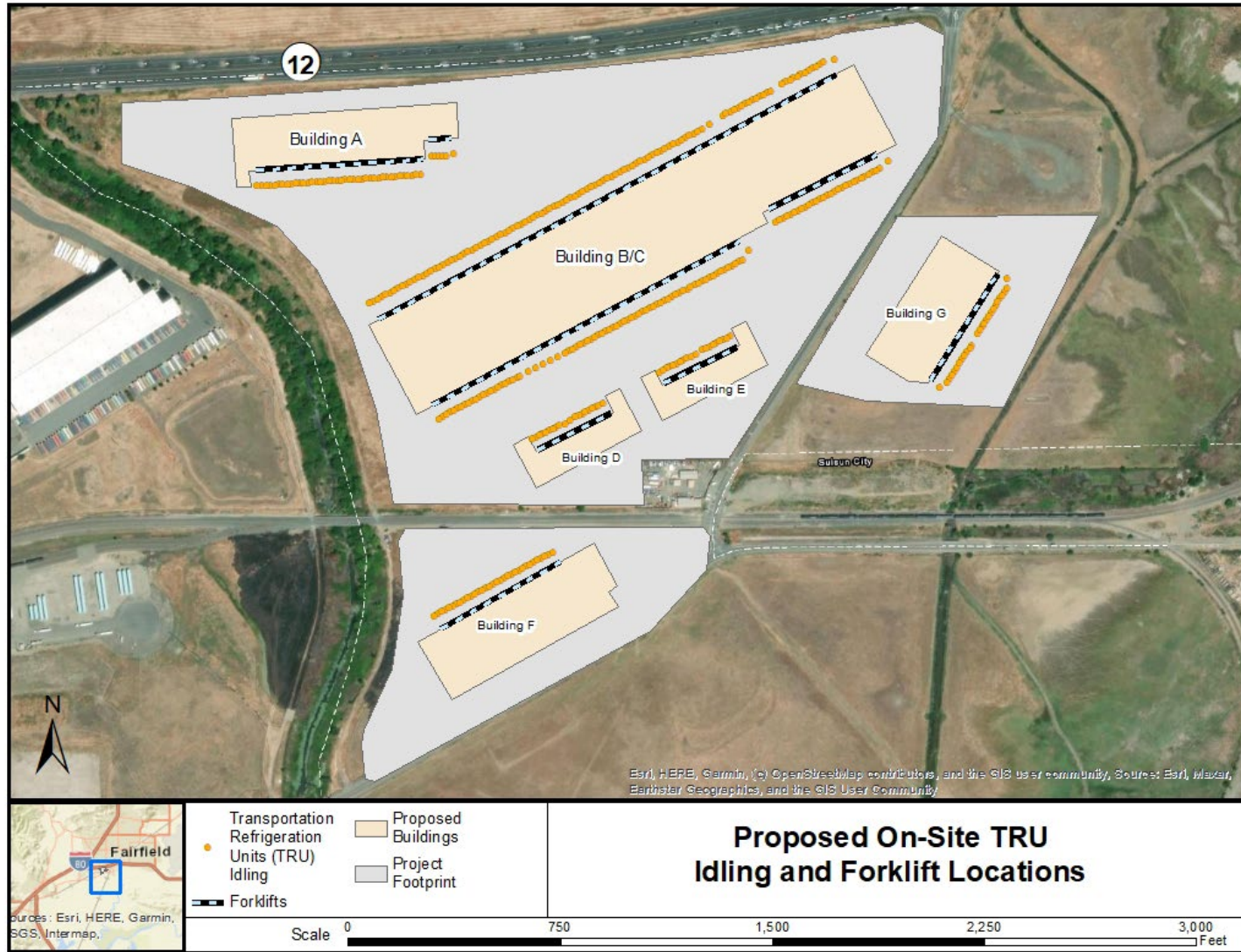


Figure 3-11 Onsite Operation TRU and Forklifts Locations

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 $\mu\text{g}/\text{m}^3$ per g/s $[(\mu\text{g}/\text{m}^3)(\text{g}/\text{s})^{-1}]$. 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 maximum 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
Residential	S1	30.6 years	1 year (Phase 1) 0.7 years (Phase 2) 0.9 year (Phase 3)	0.9 years (Interim) 28 years (Full Build)
	S2	30 years	N/A	30 years (Full Build)
Worker	S1	25.6 years	1 year (Phase 1) 0.7 years (Phase 2) 0.9 year (Phase 3)	0.9 years (Interim) 23 years (Full Build)
	S2	25 years	N/A	30 years (Full Build)
Student	S1	13.6 years	1 year (Phase 1) 0.7 years (Phase 2) 0.9 year (Phase 3)	0.9 years (Interim) 11 years (Full Build)
	S2	13 years	N/A	30 years (Full Build)
Child	S1	5.6 years	1 year (Phase 1) 0.7 years (Phase 2) 0.9 year (Phase 3)	0.9 years (Interim) 3 years (Full Build)
	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:

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

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 ($\mu\text{g}/\text{m}^3$)
{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 ($\text{mg}/\text{kg}\text{-day}^{-1}$)
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 ($\mu\text{g}/\text{m}^3$)
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) \times (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 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 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 Receptor	UTM _x (m)	UTM _y (m)	Scenario	Phase	Annual PM _{2.5} Concentration (µg/m ³)
Residential	582642	4233108	S1	Construction Year 1	0.144
	582642	4233108	S1	Construction Year 2	0.009
	583012	4233170	S1	Interim Operations	0.101
	582642	4233108	S1	Construction Year 3	0.004
	582652	4233110	S1 & S2	Full Build Operations	0.131
				Maximum	0.144
Worker	582802	4232488	S1	Construction Year 1	0.630
	582802	4232488	S1	Construction Year 2	0.013
	582792	4232490	S1	Interim Operations	0.226
	582802	4232488	S1	Construction Year 3	0.031
	582792	4232490	S1 & S2	Full Build Operations	0.469
				Maximum	0.630
Student	582142	4233068	S1	Construction Year 1	0.084
	582142	4233068	S1	Construction Year 2	0.006
	582152	4233070	S1	Interim Operations	0.061
	582142	4233068	S1	Construction Year 3	0.003
	582152	4233070	S1 & S2	Full Build Operations	0.079
				Maximum	0.084
Child	582842	4233448	S1	Construction Year 1	0.054
	582842	4233448	S1	Construction Year 2	0.004
	582832	4233450	S1	Interim Operations	0.050
	582842	4233448	S1	Construction Year 3	0.002
	582832	4233450	S1 & S2	Full Build Operations	0.071
				Maximum	0.071

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

UTM = Universal Transverse Mercator

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)
Residential	582652	4233110	S1	Construction Year 1	1 year	1.29
				Construction Year 2	0.7 years	0.13
				Interim Operations	0.9 years	19.73
				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
Worker	582792	4232490	S1	Construction Year 1	1 year	0.26
				Construction Year 2	0.7 years	0.01
				Interim Operations	0.9 years	2.83
				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
Student	582152	4233070	S1	Construction Year 1	1 year	0.13
				Construction Year 2	0.7 years	0.01
				Interim Operations	0.9 years	1.81
				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
Child	582832	4233450	S1	Construction Year 1	1 year	0.53
				Construction Year 2	0.7 years	0.05
				Interim Operations	0.9 years	8.96
				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

Notes: S1 = Scenario 1; S2 = Scenario 2;
m = meters
UTM = Universal Transverse Mercator

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
Residential	582662	4233108	S1	Construction Year 1	1.46E-03	2.14E-04 ¹
	582662	4233108		Construction Year 2	2.32E-04	3.19E-04 ¹
	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
Worker	582802	4232488	S1	Construction Year 1	4.78E-03	1.80E-04
	582802	4232488		Construction Year 2	2.48E-04	2.68E-04
	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
Student	582162	4233068	S1	Construction Year 1	9.20E-04	6.76E-05
	582162	4233068		Construction Year 2	1.41E-04	1.01E-04
	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
Child	582842	4233448	S1	Construction Year 1	6.42E-04	7.87E-05
	582842	4233448		Construction Year 2	8.84E-05	1.17E-04
	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

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

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.

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 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 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/m ³)
Residential	582642	4233108	S1	Construction Year 1	0.048
	582642	4233108	S1	Construction Year 2	0.004
	583152	4233290	S1	Interim Operations	0.041
	582642	4233108	S1	Construction Year 3	0.002
	583152	4233450	S1 & S2	Full Build Operations	0.047
				Maximum	0.048
Worker	582802	4232488	S1	Construction Year 1	0.223
	582802	4232488	S1	Construction Year 2	0.009
	582812	4232470	S1	Interim Operations	0.049
	582802	4232488	S1	Construction Year 3	0.010
	582812	4232470	S1 & S2	Full Build Operations	0.050
				Maximum	0.223
Student	582142	4233068	S1	Construction Year 1	0.028
	582142	4233068	S1	Construction Year 2	0.003
	582152	4233070	S1	Interim Operations	0.016
	582142	4233068	S1	Construction Year 3	0.001
	582152	4233070	S1 & S2	Full Build Operations	0.014
				Maximum	0.028
Child	582842	4233448	S1	Construction Year 1	0.017
	582842	4233448	S1	Construction Year 2	0.002
	582832	4233450	S1	Interim Operations	0.014
	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; µg/m³ = micrograms per cubic meter
PM_{2.5} = particulate matter less than 2.5 micrometers in diameter
UTM = Universal Transverse Mercator

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)
Residential	583152	4233290	S1	Construction Year 1	1 year	0.09
				Construction Year 2	0.7 years	0.03
				Interim Operations	0.9 years	0.76
				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
Worker	582812	4232490	S1	Construction Year 1	1 year	0.03
				Construction Year 2	0.7 years	<0.01
				Interim Operations	0.9 years	0.08
				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
Student	582152	4233070	S1	Construction Year 1	1 year	0.01
				Construction Year 2	0.7 years	<0.01
				Interim Operations	0.9 years	0.07
				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
Child	582832	4233450	S1	Construction Year 1	1 year	0.06
				Construction Year 2	0.7 years	0.02
				Interim Operations	0.9 years	0.32
				Construction Year 3	0.9 years	0.02
				Full Build Operations	3 years	0.68
				Total	5.6 years	1.09
				S2	Full Build Operations	5 years

Notes: S1 = Scenario 1; S2 = Scenario 2

m = meters

UTM = Universal Transverse Mercator

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
Residential	582662	4233108	S1	Construction Year 1	1.59E-04	2.14E-04 ¹
	582662	4233108		Construction Year 2	6.92E-05	3.19E-04 ¹
	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
Worker	582802	4232488	S1	Construction Year 1	5.15E-04	1.80E-04
	582802	4232488		Construction Year 2	9.20E-05	2.68E-04
	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
Student	582162	4233068	S1	Construction Year 1	1.02E-04	6.76E-05
	582162	4233068		Construction Year 2	4.49E-05	1.01E-04
	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
Child	582842	4233448	S1	Construction Year 1	7.12E-05	7.87E-05
	582842	4233448		Construction Year 2	2.81E-05	1.17E-04
	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

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

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.

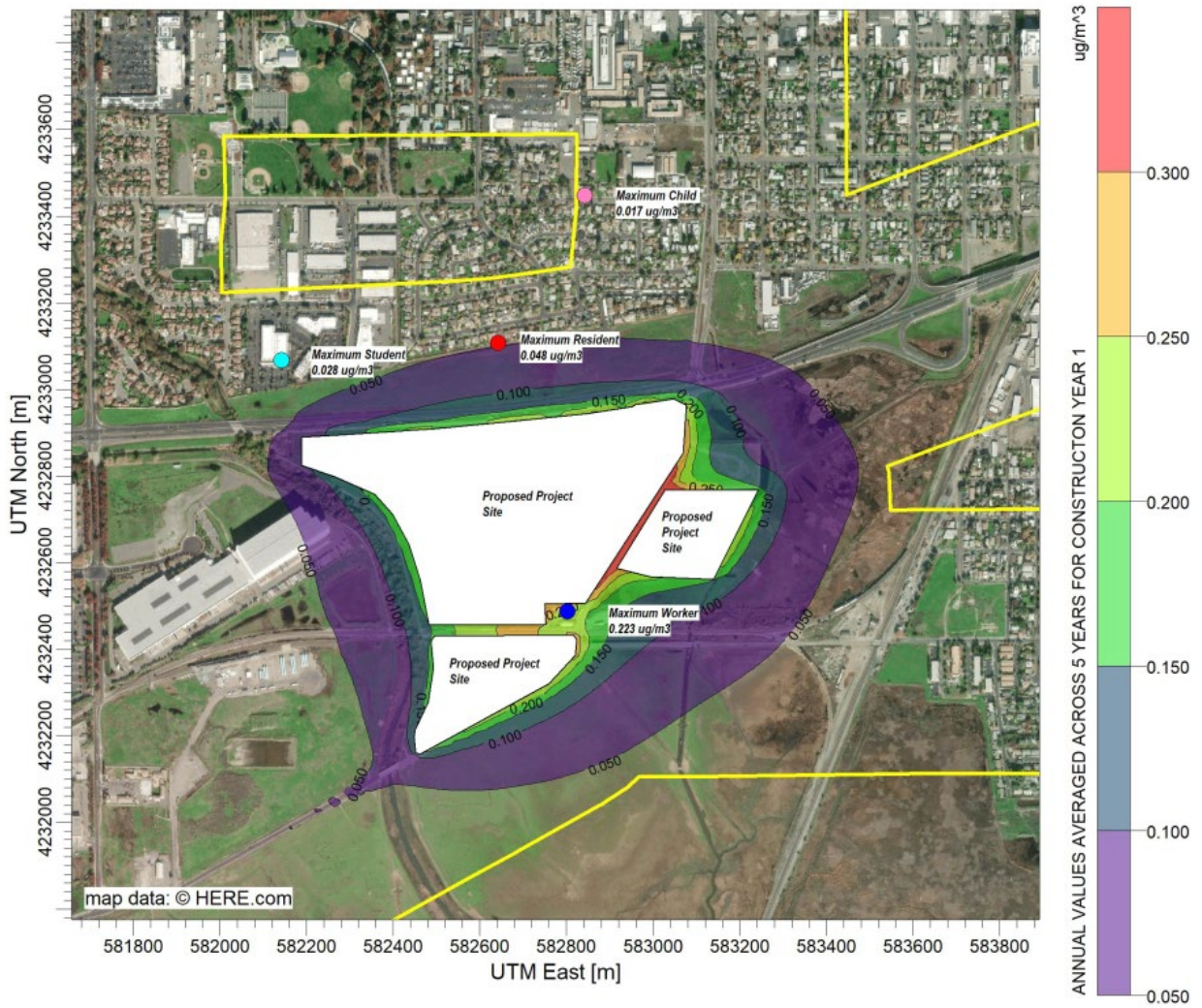


Figure 5-1 Residential, Worker, Student, and Child Annual PM_{2.5} Concentrations for Maximum Proposed Project Phase (Construction Year 1) with Mitigated Emissions

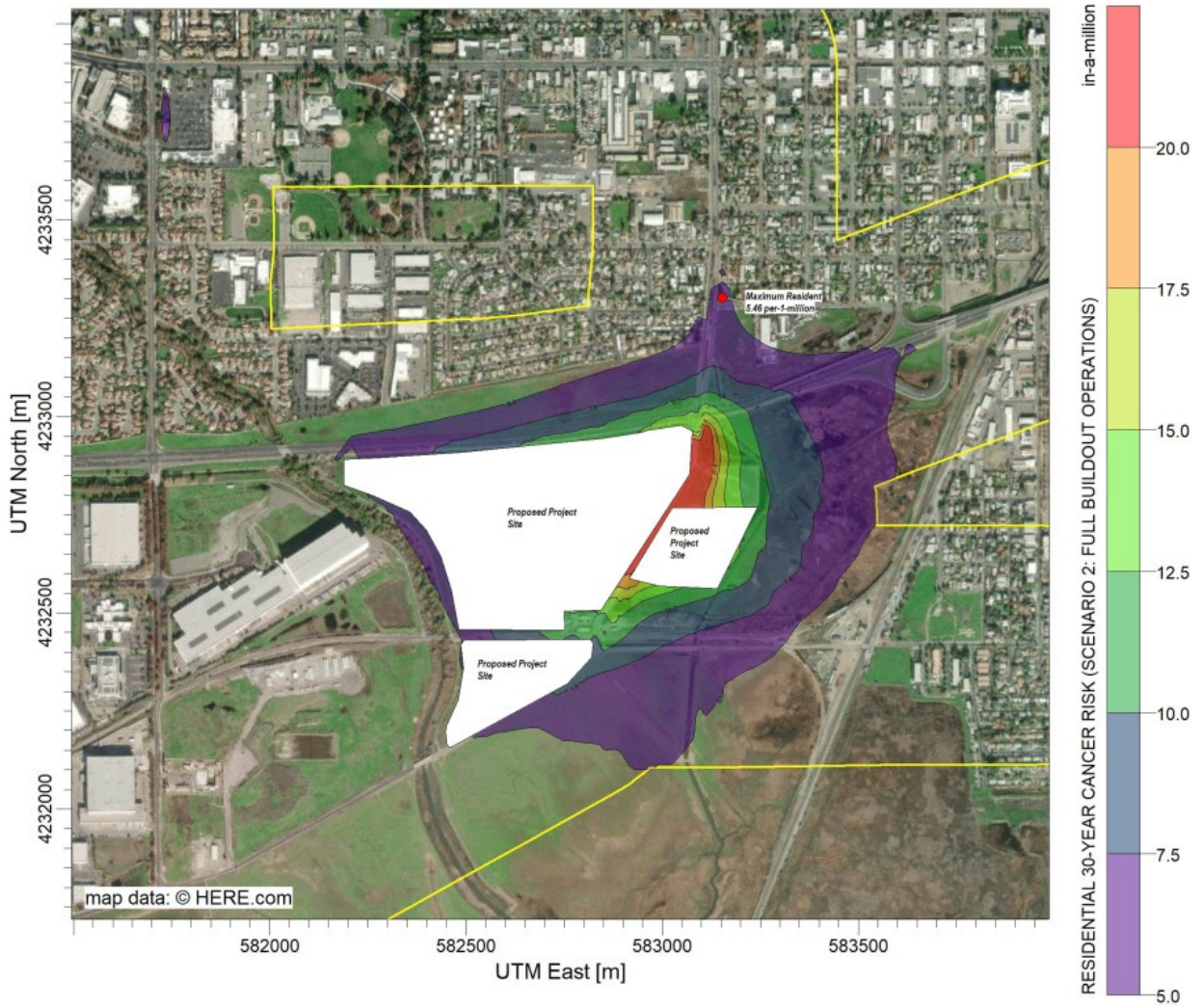


Figure 5-2 Residential 30-year Cancer Risk for Maximum Proposed Project Scenario (Scenario 2) with Mitigated Emissions

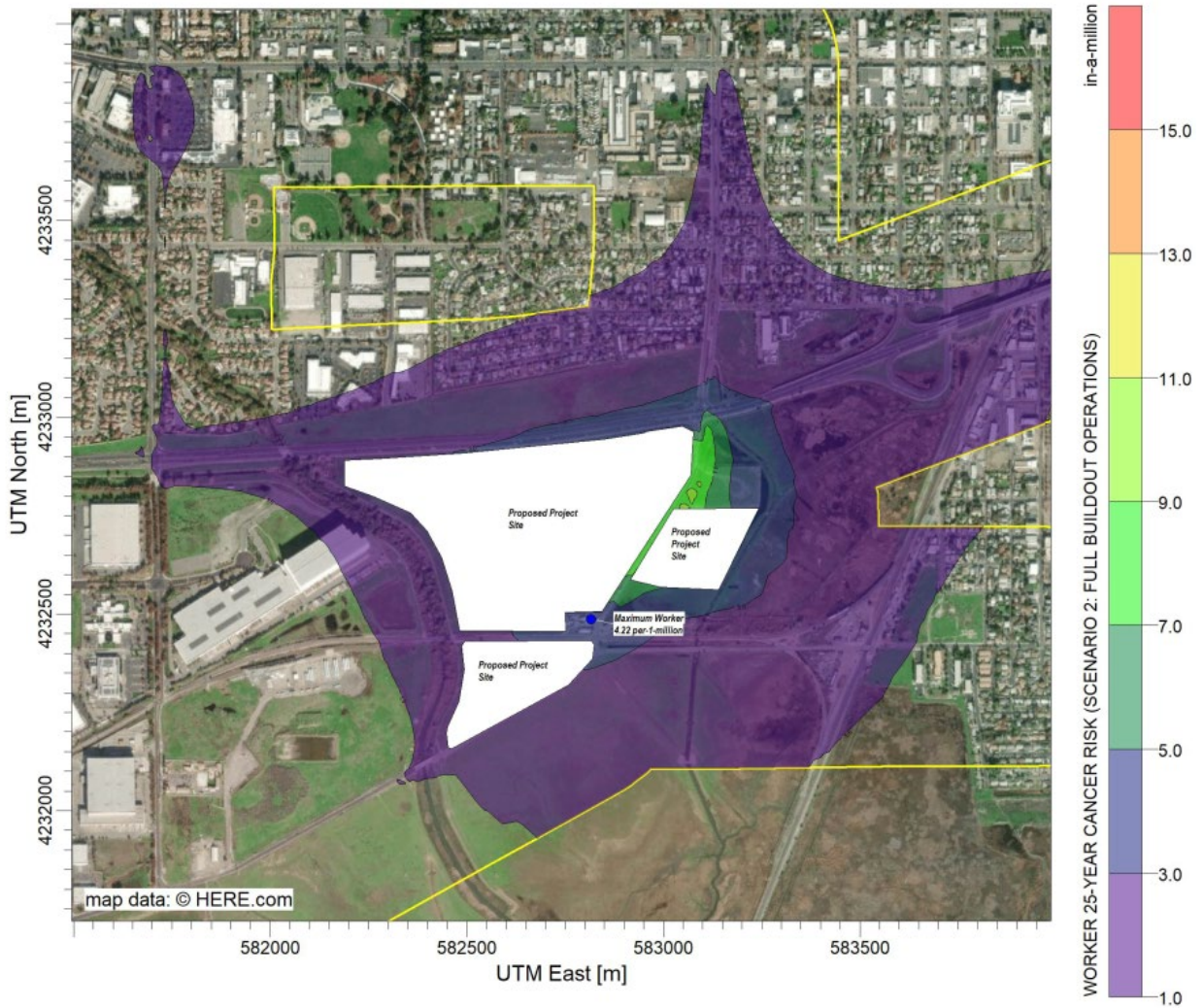


Figure 5-3 Worker 25-year Cancer Risk for Maximum Proposed Project Scenario (Scenario 2) with Mitigated Emissions

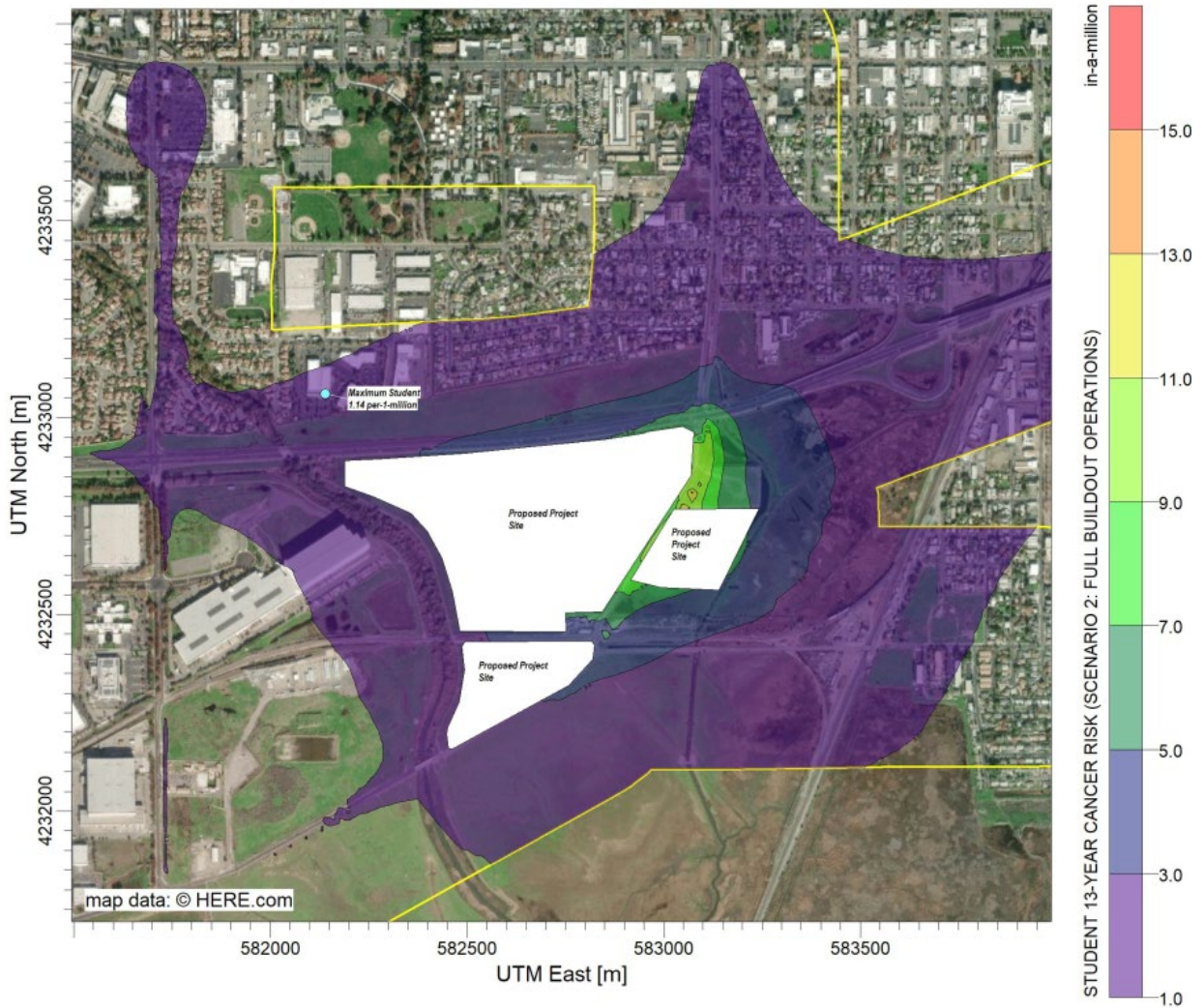


Figure 5-4 Student 13-year Cancer Risk for Maximum Proposed Project Scenario (Scenario 2) with Mitigated Emissions

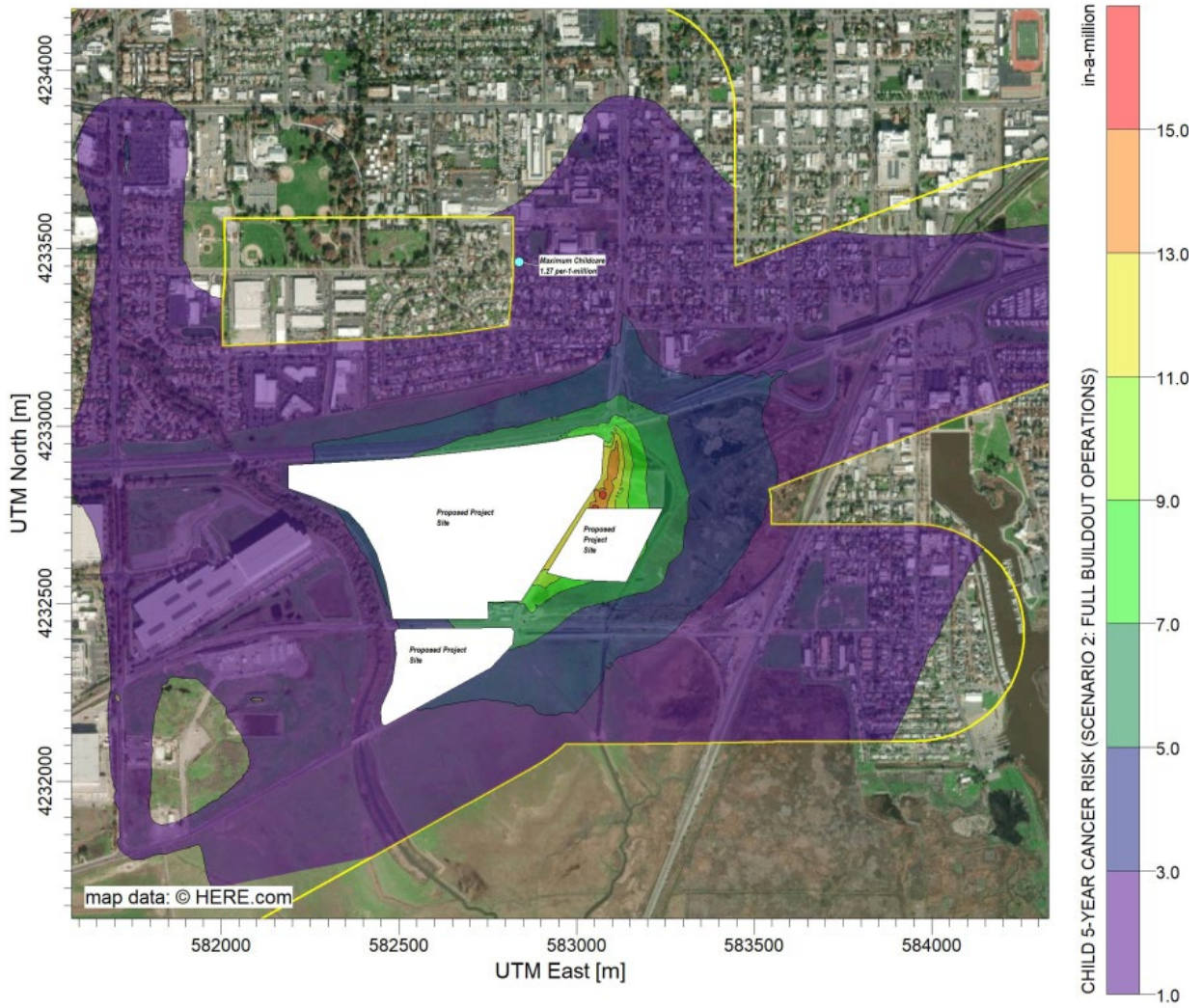


Figure 5-5 Child 5-year Cancer Risk for Maximum Proposed Project Scenario (Scenario 2) with Mitigated Emissions

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/m ³)
582642	4233108	Residential	Scenario 1	Proposed Project ¹	0.048
				Existing Mobile ²	0.134
				Existing Railway ³	0.001
				Cumulative + Proposed Project	0.183
582802	4232488	Worker	Scenario 1	Proposed Project ¹	0.223
				Existing Mobile ²	0.054
				Existing Railway ³	0.002
				Cumulative + Proposed Project	0.279
582142	4233068	Student	Scenario 1	Proposed Project ¹	0.028
				Existing Mobile ²	0.118
				Existing Railway ³	N/A
				Cumulative + Proposed Project	0.146
582842	4233448	Child	Scenario 1	Proposed Project ¹	0.017
				Existing Mobile ²	0.151
				Existing Railway ³	0.001
				Cumulative + Proposed Project	0.169

Notes:

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.

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 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)
583152	4233290	Residential	Scenario 2	Proposed Project ¹	5.46
				Existing Mobile ²	12.28
				Existing Railway ³	1.68
				Cumulative + Proposed Project	19.42
582812	4232490	Worker	Scenario 2	Proposed Project ¹	4.22
				Existing Mobile ²	3.35
				Existing Railway ³	1.83
				Cumulative + Proposed Project	9.40
582152	4233070	Student	Scenario 2	Proposed Project ¹	1.14
				Existing Mobile ²	5.56
				Existing Railway ³	N/A
				Cumulative + Proposed Project	6.70
582832	4233450	Child	Scenario 2	Proposed Project ¹	1.27
				Existing Mobile ²	7.59
				Existing Railway ³	0.60
				Cumulative + Proposed Project	9.46

Notes:

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.

m = meter

N/A = no data available

UTM = Universal Transverse Mercator

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)
582652	4233110	Residential	Scenarios 1 & 2	Proposed Project ¹	2.38E-03
				Existing Mobile ²	2.17E-02
				Existing Railway ³	1.09E-04
				Cumulative + Proposed Project	2.42E-02
582792	4232490	Worker	Scenarios 1 & 2	Proposed Project ¹	5.31E-03
				Existing Mobile ²	8.93E-03
				Existing Railway ³	4.91E-04
				Cumulative + Proposed Project	1.47E-02
582152	4233070	Student	Scenarios 1 & 2	Proposed Project ¹	1.23E-03
				Existing Mobile ²	1.69E-02
				Existing Railway ³	N/A
				Cumulative + Proposed Project	1.81E-02
582832	4233450	Child	Scenarios 1 & 2	Proposed Project ¹	1.01E-03
				Existing Mobile ²	2.12E-02
				Existing Railway ³	1.60E-04
				Cumulative + Proposed Project	2.24E-02

Notes:

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.

HI = Hazard Index

m = meter

N/A = no data available

UTM = Universal Transverse Mercator

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.

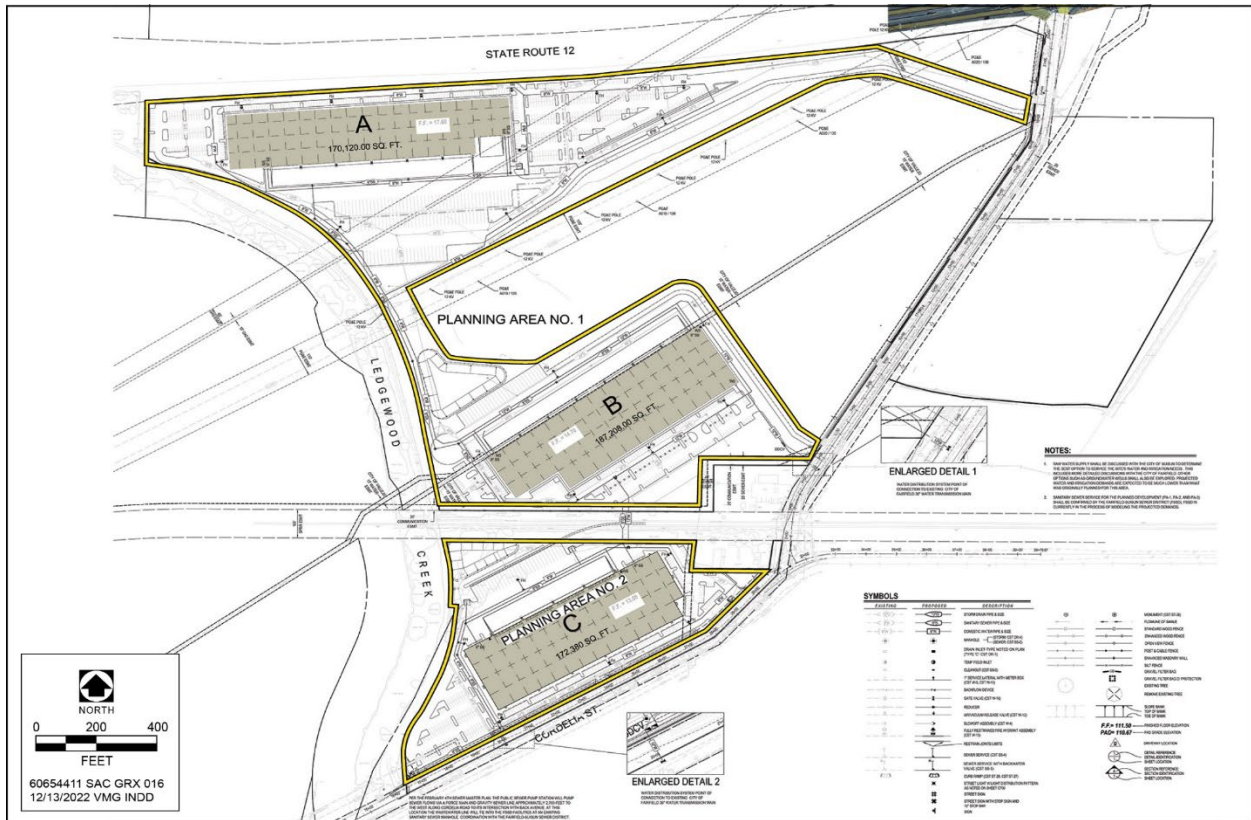


Figure 6-1 Alternative 2 Site Layout

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.

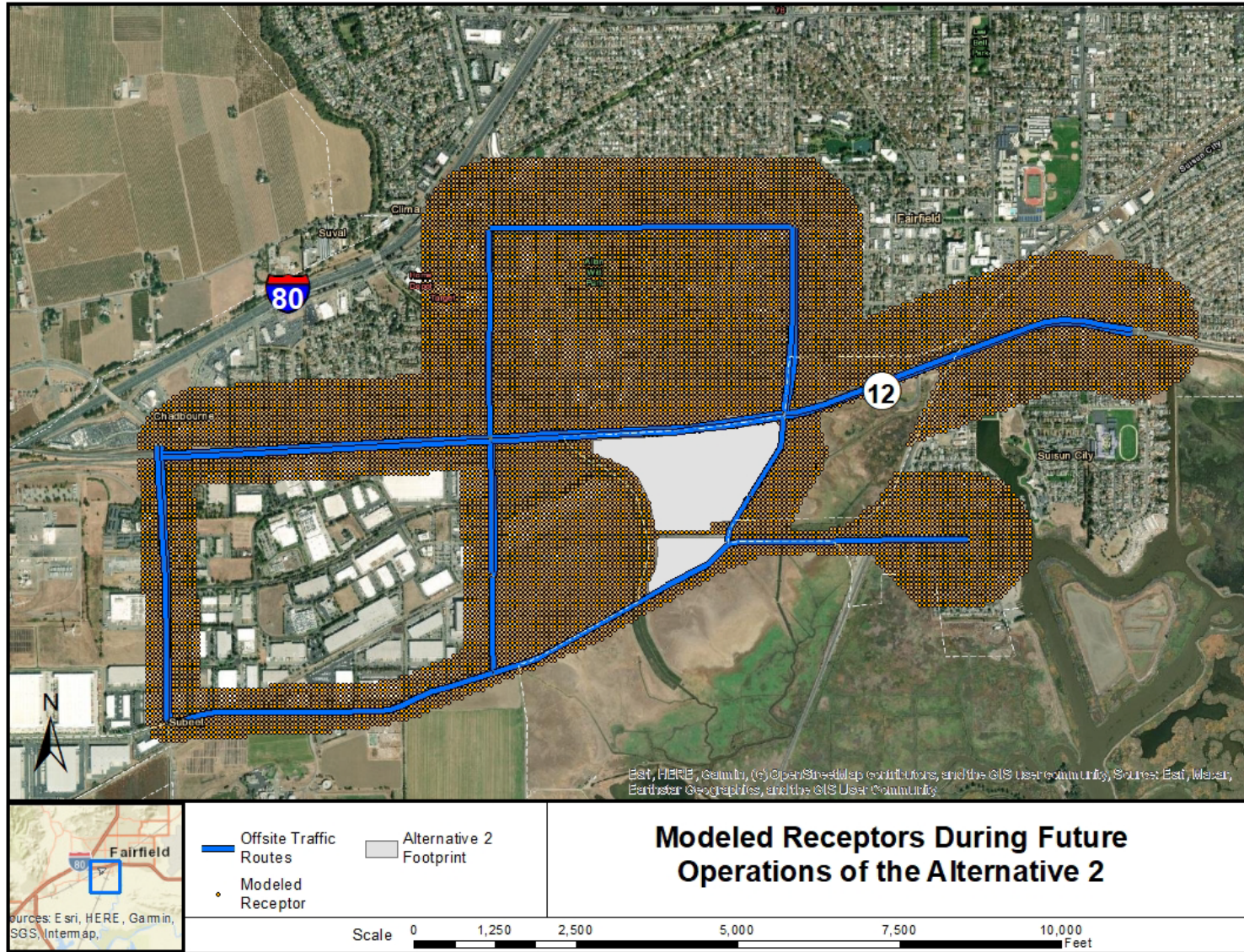


Figure 6-2 Alternative 2 Operations HRA Receptor Locations

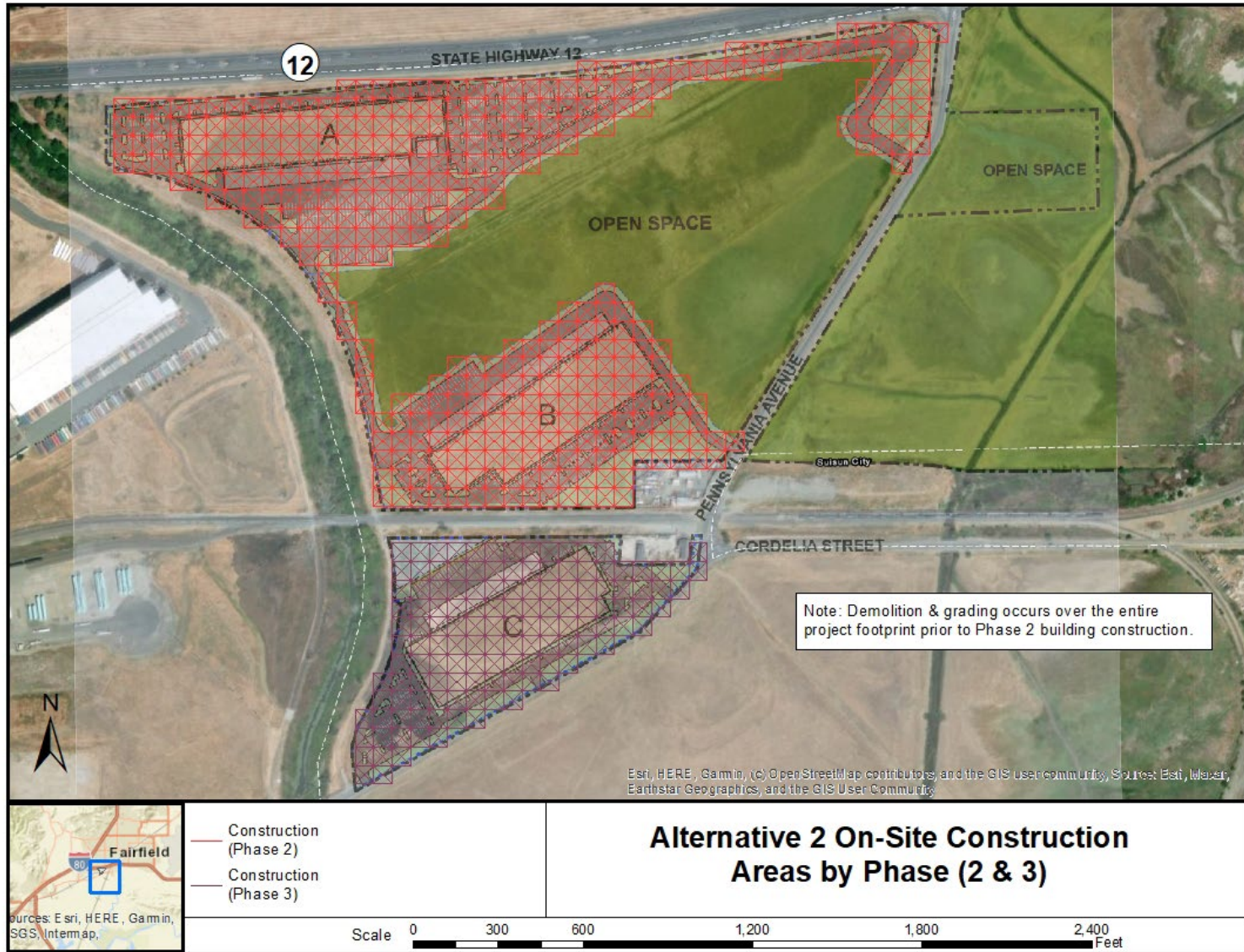


Figure 6-3 Alternative 2 Construction HRA On-Site Emission Sources

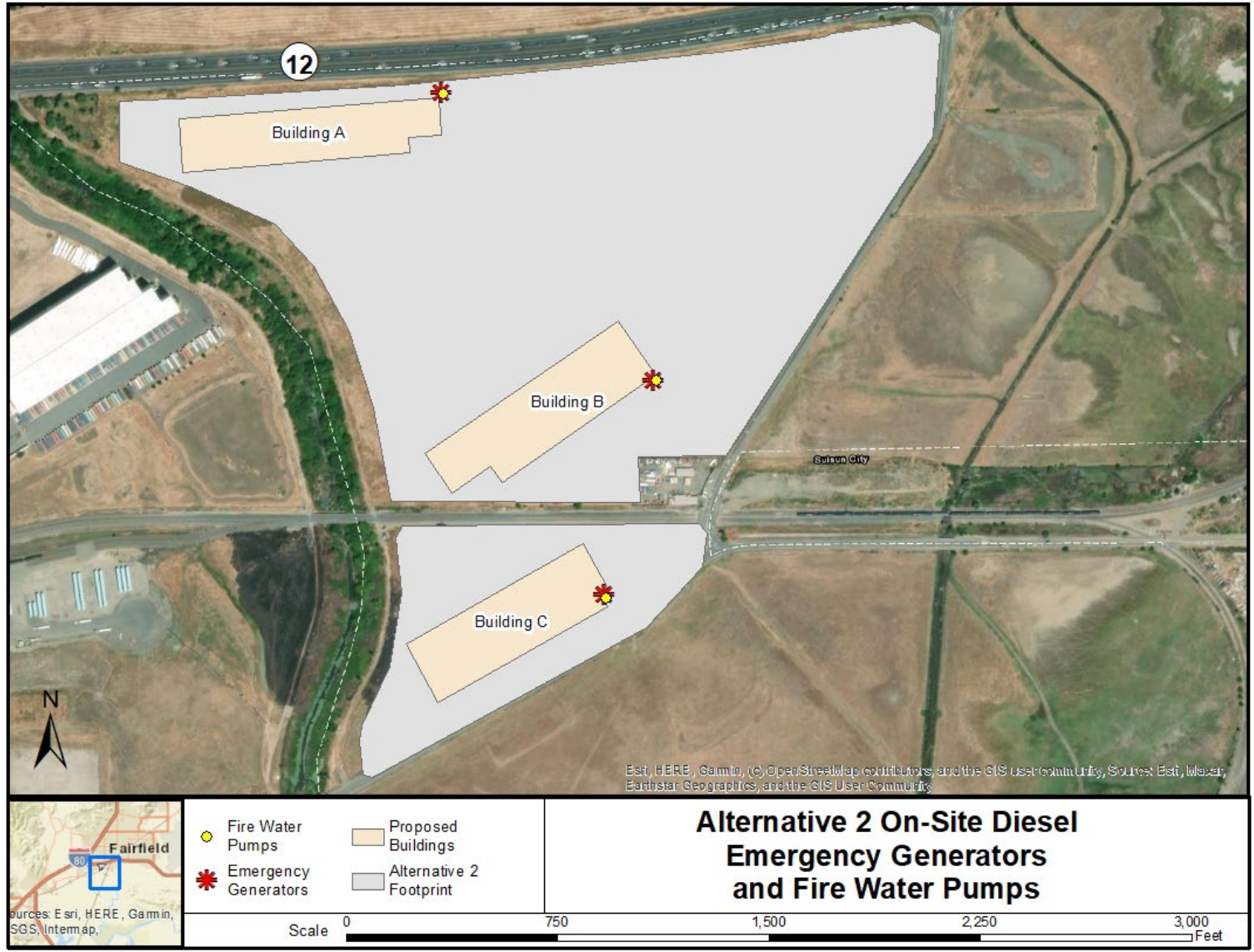


Figure 6-4 Emergency Generators and Fire Water Pumps Associated with Alternative 2

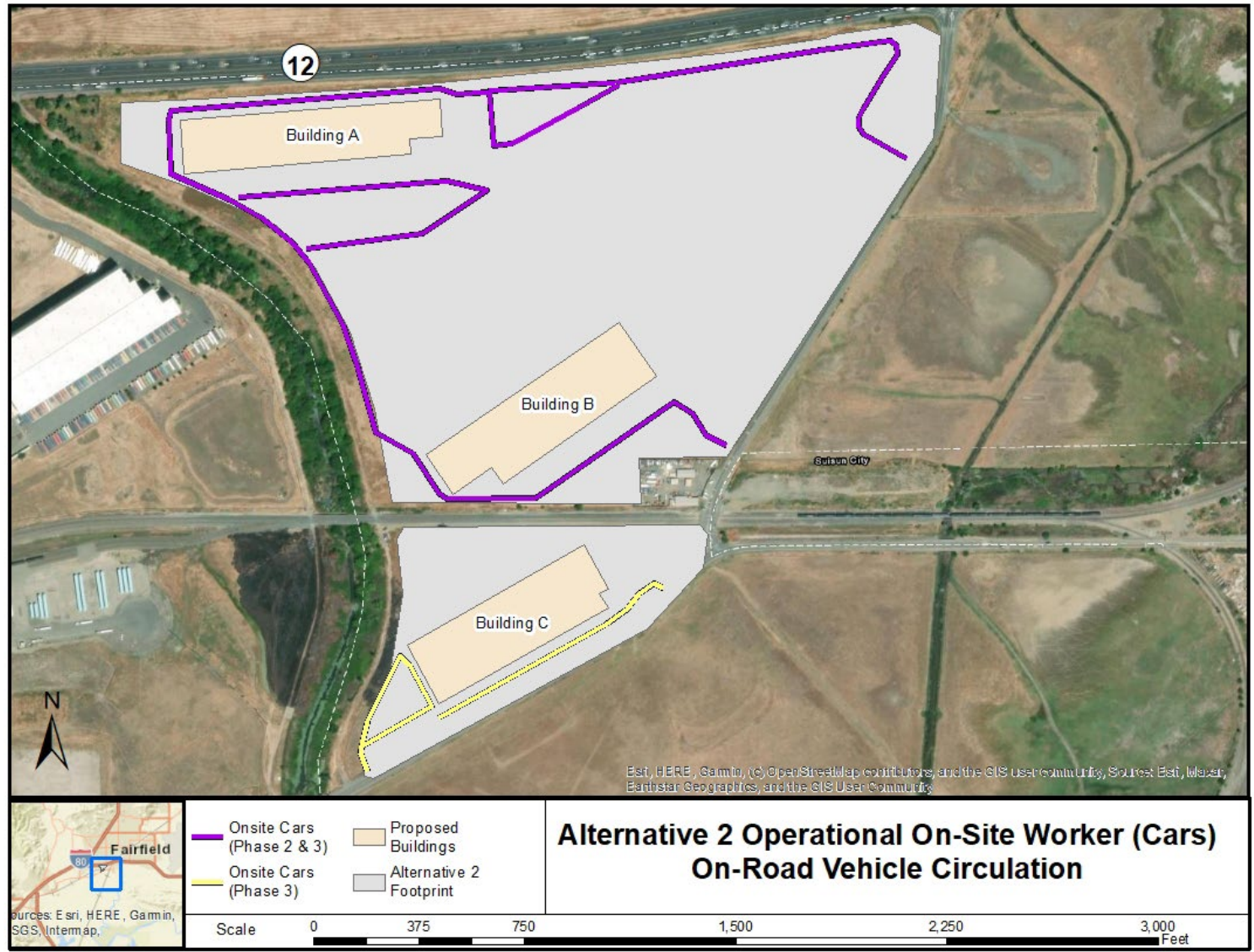


Figure 6-5 Operations On-Road Emission Sources (Onsite Circulation – Personal Cars) for Alternative 2

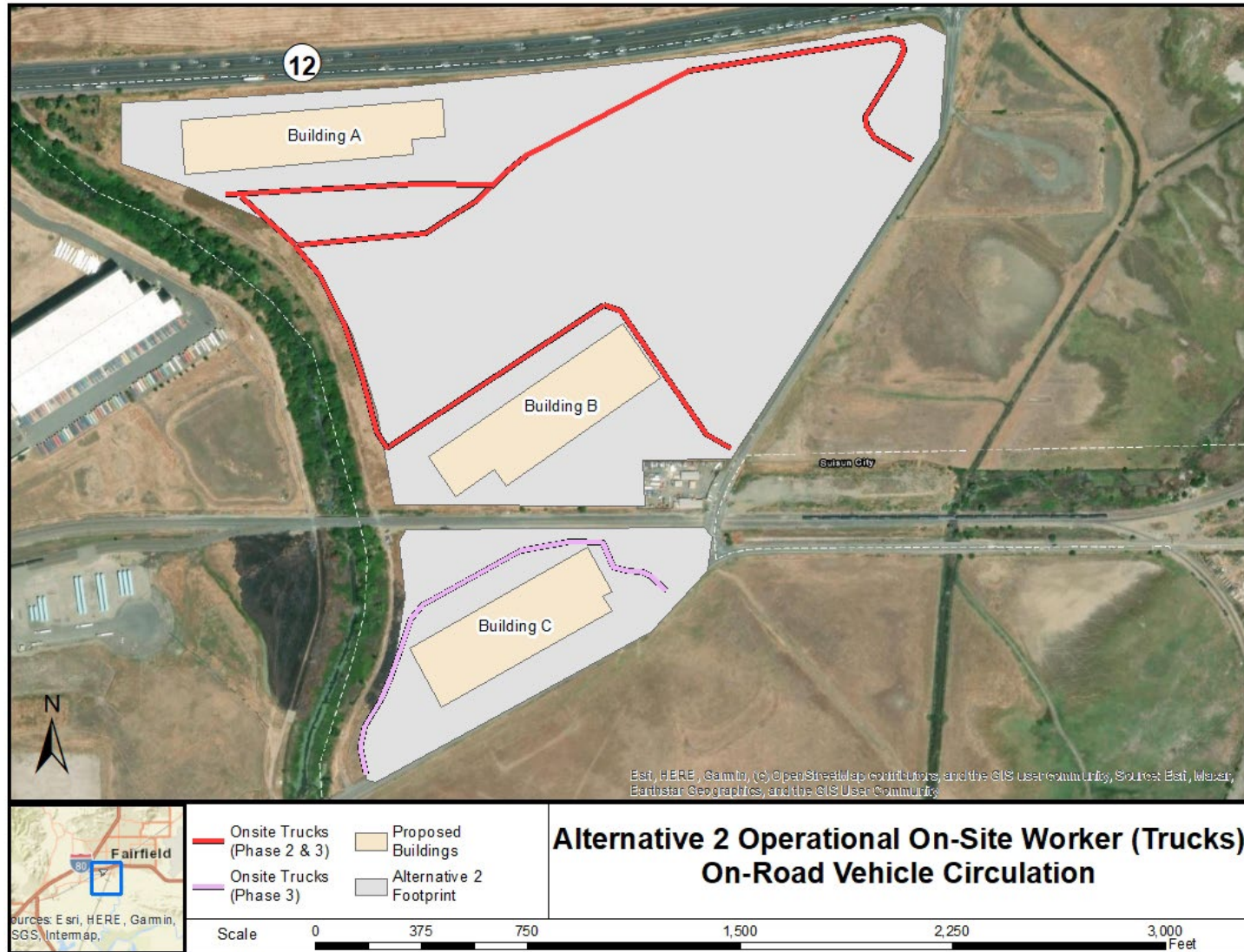


Figure 6-6 Operations On-Road Emission Sources (Onsite Circulation –Trucks) for Alternative 2

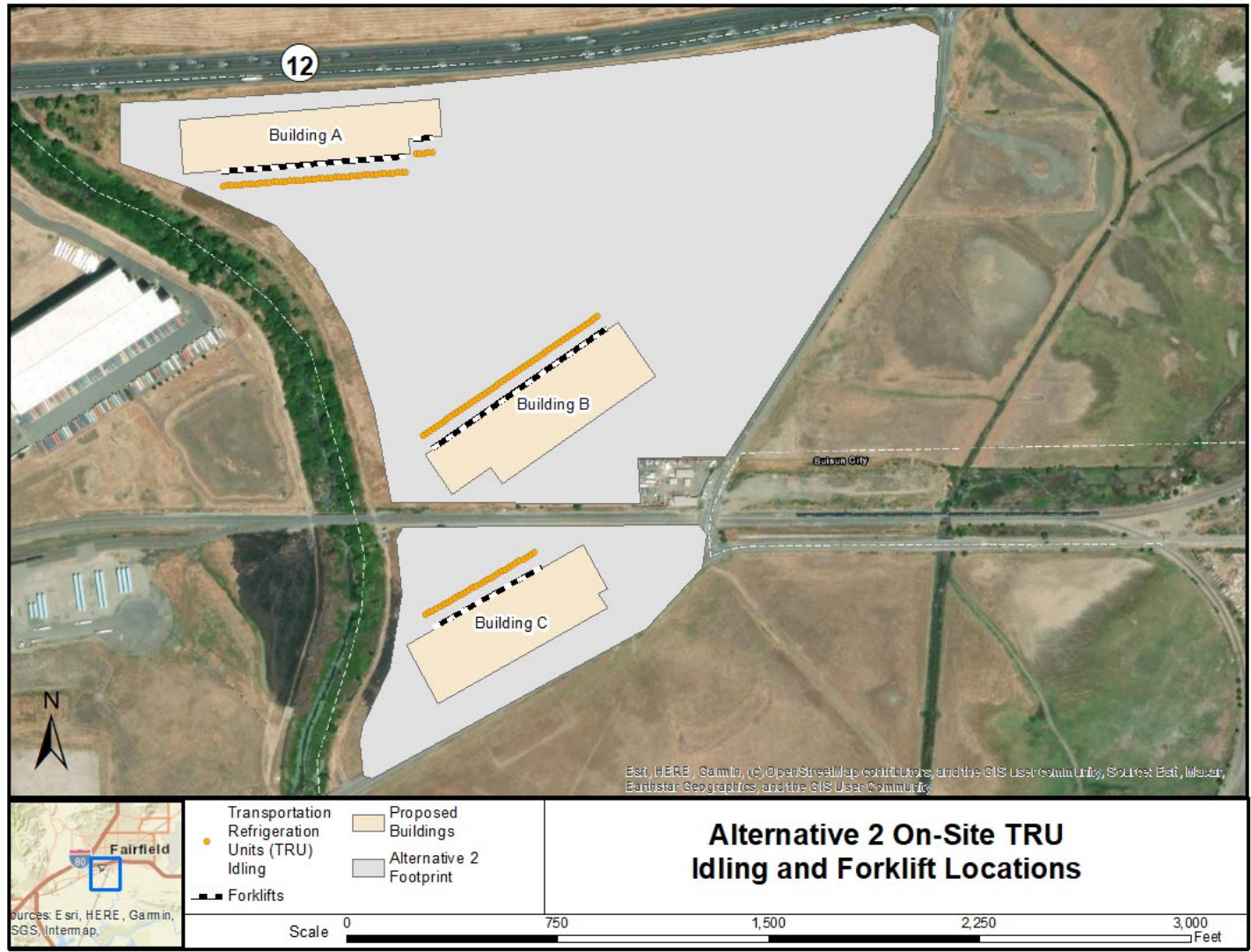


Figure 6-7 Onsite Operation TRU and Forklifts Locations for Alternative 2

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 **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/m ³)
Residential	582642	4233108	S1	Construction Year 1	0.105
	582642	4233108	S1	Construction Year 2	0.001
	583012	4233170	S1	Interim Operations	0.041
	582642	4233108	S1	Construction Year 3	0.002
	582652	4233110	S1 & S2	Full Build Operations	0.052
				Maximum	0.105
Worker	582802	4232488	S1	Construction Year 1	0.463
	582802	4232488	S1	Construction Year 2	0.020
	582792	4232490	S1	Interim Operations	0.092
	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; µg/m³ = micrograms per cubic meter

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

UTM = Universal Transverse Mercator

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)
Residential	582532	4233090	S1	Construction Year 1	1 year	1.12
				Construction Year 2	0.7 years	<0.01
				Interim Operations	0.9 years	7.34
				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
Worker	582792	4232470	S1	Construction Year 1	1 year	0.22
				Construction Year 2	0.7 years	<0.01
				Interim Operations	0.9 years	1.18
				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

Notes: S1 = Scenario 1; S2 = Scenario 2
 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
Residential	582522	4233088	S1	Construction Year 1	1.25E-03	1.91E-04 ¹
	580642	4232868		Construction Year 2	1.20E-05	1.11E-04 ¹
	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	S1	Construction Year 1	4.46E-03	1.60E-04
	582802	4232488		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
 UTM = Universal Transverse Mercator

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 PM_{2.5} Impacts with Mitigated Alternative 2 Emissions

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

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)
Residential	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
				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
Worker	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
				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

Notes: S1 = Scenario 1; S2 = Scenario 2
 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
Residential	582522	4233088	S1	Construction Year 1	1.56E-04	1.73E-04 ¹
	580642	4232868		Construction Year 2	1.20E-05	1.11E-04 ¹
	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		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
 UTM = Universal Transverse Mercator

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.

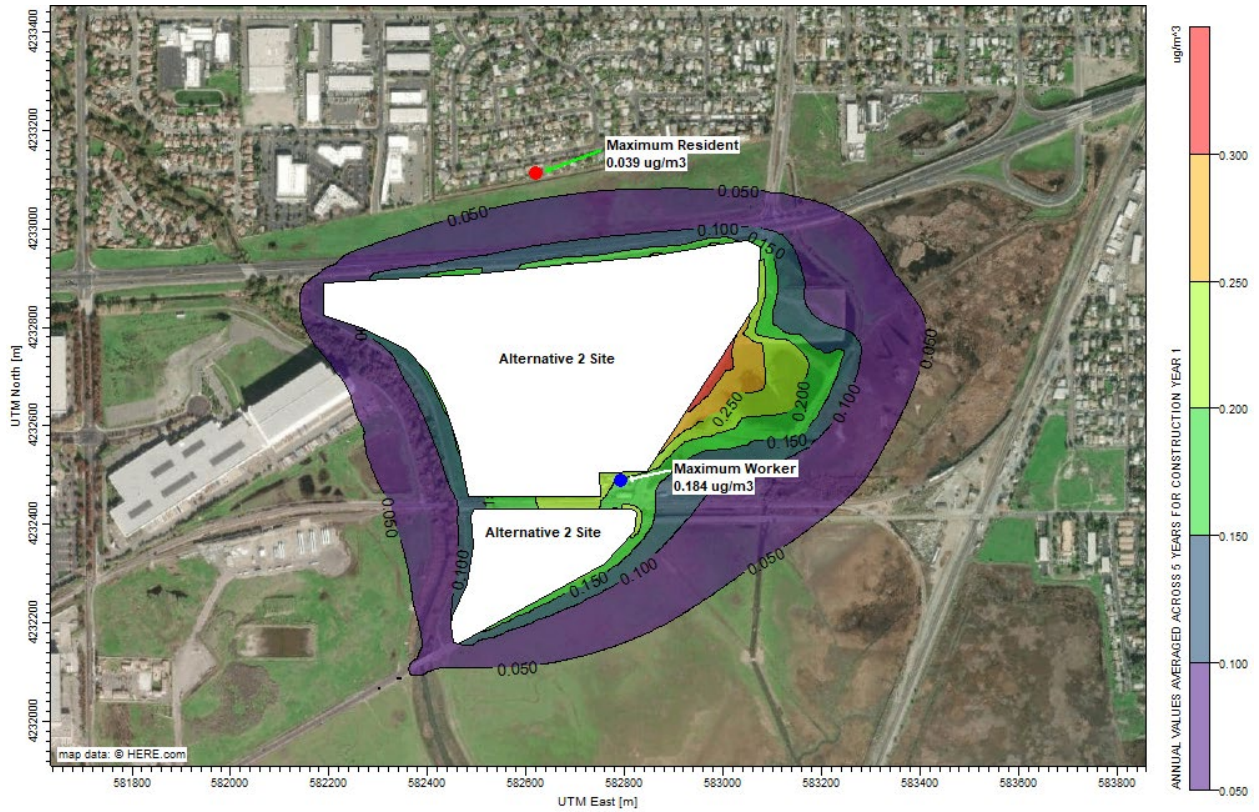


Figure 6-8 Residential and Worker Annual PM_{2.5} Concentrations for Maximum Alternative 2 Phase (Construction Year 1) with Mitigated Emissions

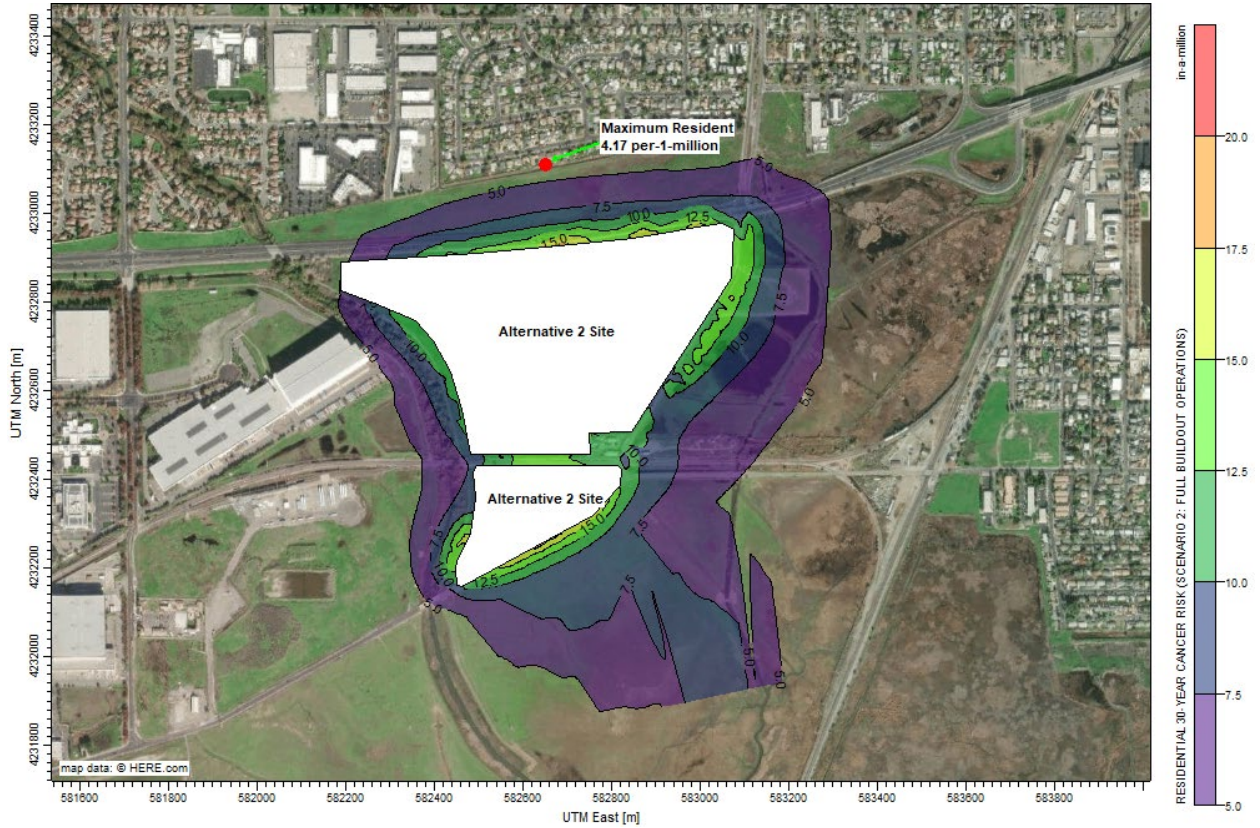


Figure 6-9 Residential 30-year Cancer Risk for Maximum Alternative 2 Scenario (Scenario 2) with Mitigated Emissions

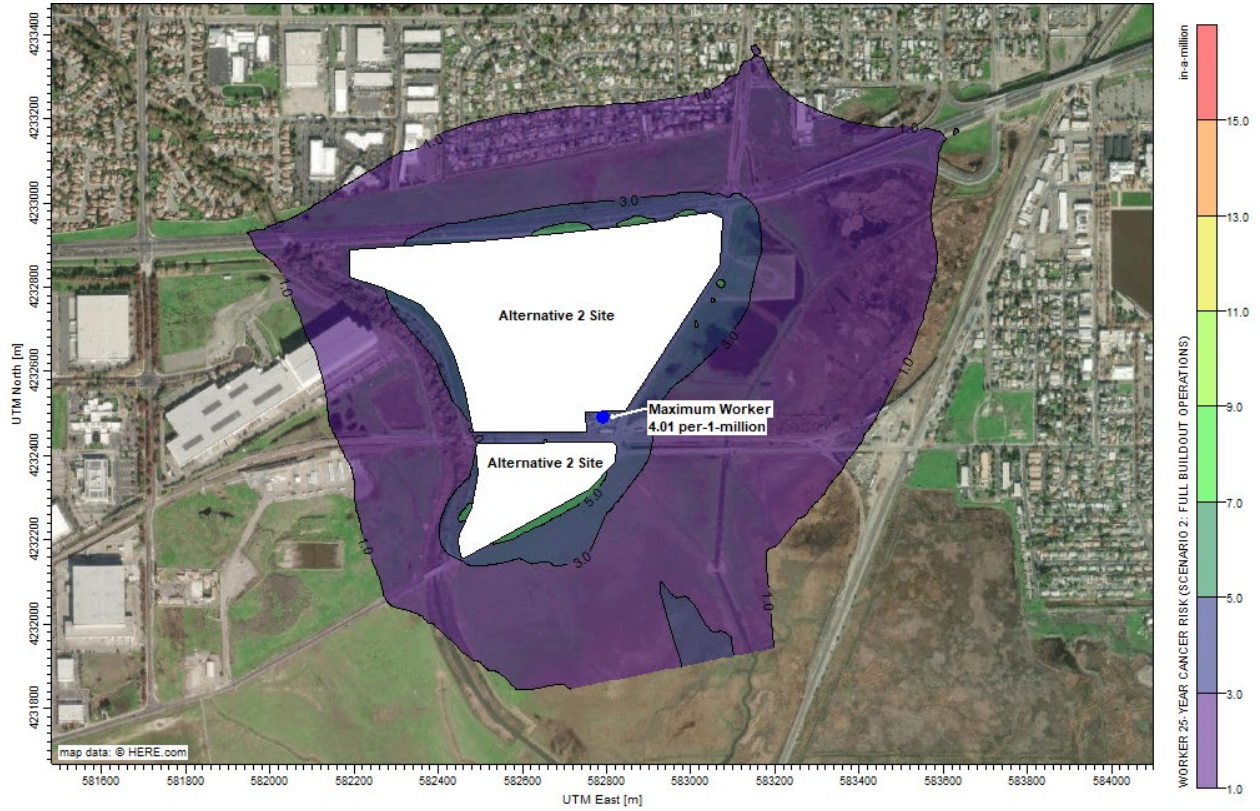


Figure 6-10 Worker 25-year Cancer Risk for Maximum Alternative 2 Scenario (Scenario 4) with Mitigated Emissions

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/m ³)
582642	4233108	Residential	Scenario 1	Proposed Project ¹	0.039
				Existing Mobile ²	0.134
				Existing Railway ³	0.001
				Cumulative + Proposed Project	0.174
582802	4232488	Worker	Scenario 1	Proposed Project ¹	0.184
				Existing Mobile ²	0.054
				Existing Railway ³	0.002
				Cumulative + Proposed Project	0.240

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.

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)
582652	4233110	Residential	Scenario 2	Proposed Project ¹	4.17
				Existing Mobile ²	6.90
				Existing Railway ³	0.41
				Cumulative + Proposed Project	11.48
582792	4232490	Worker	Scenario 2	Proposed Project ¹	4.01
				Existing Mobile ²	3.35
				Existing Railway ³	1.83
				Cumulative + Proposed Project	9.19

Notes:

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.

¹⁷ 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

Operational Transportation Energy Consumption

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

Calendar Year: 2025, 2026

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: 13,617
 Initial Ops: 5,994
 2nd Phase Ops:

Region	CalYr	VehClass	MdlYr	Speed	Fuel	Population	TotalVMT	CVMT	EVMT	Trips	Energy Consump	Fuel_Consum	Kwh/mile	% VMT	Project Daily VMT	Project Annual VMT	Project Annual Fuel Consumption (gallons)	Project Annual Electricity
Bay Area AQMD	2025	LDA	Aggregate	Aggregate	Gasoline	2208362.88	80466960.78	80466960.78	0	10225193.6	0	2621.2558	49.10%	6685.4056	2440173.03	79489.98892	0	
Bay Area AQMD	2025	LDA	Aggregate	Aggregate	Diesel	8048.62779	220923.5077	220923.5077	0	33785.09221	0	5.1204039	0.13%	18.3549	6699.54	155.2770407	0	
Bay Area AQMD	2025	LDA	Aggregate	Aggregate	Electricity	185077.64	8268405.938	0	8268405.938	907675.6381	3192287.121	0	0.386083	5.04%	686.9608	250740.69	0	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	0	266.19873	4.17%	567.3371	207078.04	8072.517719	0	
Bay Area AQMD	2025	LDT1	Aggregate	Aggregate	Diesel	103.494858	1220.114428	1220.114428	0	288.5234891	0	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	0.386083	0.02%	2.5571	933.35	0	360.3516748
Bay Area AQMD	2025	LDT1	Aggregate	Aggregate	Plug-in Hybrid	383.908079	17997.9362	7812.297117	10185.63909	1587.459907	3076.366584	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	0	1630.3362	24.91%	3391.4680	1237885.83	49440.19688	0	
Bay Area AQMD	2025	LDT2	Aggregate	Aggregate	Diesel	4448.58527	166000.8347	166000.8347	0	21023.15196	0	5.047931	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	0.386083	0.17%	23.6386	8628.08	0	3331.149783
Bay Area AQMD	2025	LDT2	Aggregate	Aggregate	Plug-in Hybrid	9987.34051	446231.9982	203610.7444	41297.653	73278.84992	6.8889949	0.30203	0.27%	37.0741	13532.05	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	3308.08225	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	3548.217374	0
Bay Area AQMD	2025	MDV	Aggregate	Aggregate	Plug-in Hybrid	6009.57346	264244.2234	122084.4932	24849.58624	42936.47556	4.1801446	0.30203	0.16%	21.9541	8013.25	126.7635324	2420.239413	
Bay Area AQMD	2026	LDA	Aggregate	Aggregate	Gasoline	2201973.53	79971701.77	79971701.77	0	10194551.54	0	2550.4891	48.55%	2910.0533	1062169.47	33875.12784	0	
Bay Area AQMD	2026	LDA	Aggregate	Aggregate	Diesel	7333.28677	198341.4906	198341.4906	0	30733.94052	0	5.490764	0.12%	7.2174	2634.34	60.41999749	0	
Bay Area AQMD	2026	LDA	Aggregate	Aggregate	Electricity	197142.751	8635854.551	0	8635854.551	961930.1271	3334152.612	0	0.386083	5.24%	314.2461	114699.84	0	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	654.4083948	12389.54123
Bay Area AQMD	2026	LDT1	Aggregate	Aggregate	Gasoline	206448.569	6642983.323	6642983.323	0	915152.889	0	254.41406	4.03%	241.7285	88230.89	3379.080895	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	0.386083	0.02%	1.3237	483.14	0	186.5327105
Bay Area AQMD	2026	LDT1	Aggregate	Aggregate	Plug-in Hybrid	510.98763	23454.82628	10006.80624	13448.02004	2112.933852	4061.702868	0.3374594	0.30203	0.01%	0.8535	311.52	4.482074453	94.08913986
Bay Area AQMD	2026	LDT2	Aggregate	Aggregate	Gasoline	1129979.05	41309843.47	41309843.47	0	5288581.586	0	1612.5209	25.08%	1503.2048	548669.76	21417.20695	0	
Bay Area AQMD	2026	LDT2	Aggregate	Aggregate	Diesel	4539.43295	166790.5139	166790.5139	0	21379.64225	0	4.972676	0.10%	6.0693	2215.28	66.04617047	0	
Bay Area AQMD	2026	LDT2	Aggregate	Aggregate	Electricity	10495.5795	350457.1666	0	350457.1666	53110.18841	135305.3911	0	0.386083	0.21%	12.7526	4654.71	0	1797.101376
Bay Area AQMD	2026	LDT2	Aggregate	Aggregate	Plug-in Hybrid	11644.8167	507566.567	227374.6807	280191.8863	48151.31705	84626.30071	7.7036953	0.30203	0.31%	18.4696	6741.41	102.3190669	2036.105539
Bay Area AQMD	2026	MDV	Aggregate	Aggregate	Gasoline	637207.828	22757042.41	22757042.41	0	2953312.881	0	1077.6964	13.82%	828.0955	302254.86	14313.76529	0	
Bay Area AQMD	2026	MDV	Aggregate	Aggregate	Diesel	10047.0001	357023.161	357023.161	0	46673.68887	0	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	0.386083	0.23%	13.5495	4945.56	0	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 Default Emission Factors: Table 2.1 (https://www.theclimateregistry.org/wp-content/uploads/2021/05/2021-Default-Emission-Factor-Documents.pdf)		
Project Mobile Energy		
Gallons/year, Diesel	1,067	Diesel
Gallons/year, Gasoline	243,026	Gasoline
KWh/year, Electricity	152,223	Electricity
Gallons/year, Gasoline, Plug-in Hybrid	2,619	Plug-in Hybrid
KWh/year, Electricity, Plug-in Hybrid	49,386	Plug-in Hybrid
KWh/year, EV and Hybrid	201,609	EV + Hybrid
Gallons/year, Gasoline + Hybrid	245,645	Gasoline + Hybrid
Gallons/year, Natural Gas	-	Natural Gas

Table with columns: Emissions Unit Code, Phase, Subphase, Activity, Emissions Source, Unabated/Located, Year, TOG, ROG, NMOC, SOx, CO, NOx, PM10, PM2.5, PM2.5-10, PM2.5-2.5, PM2.5-1.0, PM2.5-0.4, BCOs, NCOs, CO2, CH4, N2O, R, H, CO2e. Rows include various construction activities like site preparation, foundation, and building construction.

Construction Emissions Summary table with columns: Emissions Unit Code, Phase, Subphase, Activity, Emissions Source, Unabated/Located, Year, TOG, ROG, NMOC, SOx, CO, NOx, PM10, PM2.5, PM2.5-10, PM2.5-2.5, PM2.5-1.0, PM2.5-0.4, BCOs, NCOs, CO2, CH4, N2O, R, H, CO2e.

Operational Emissions Summary table with columns: Emissions Unit Code, Phase, Subphase, Activity, Emissions Source, Unabated/Located, Year, TOG, ROG, NMOC, SOx, CO, NOx, PM10, PM2.5, PM2.5-10, PM2.5-2.5, PM2.5-1.0, PM2.5-0.4, BCOs, NCOs, CO2, CH4, N2O, R, H, CO2e.

Operational Emissions Summary table with columns: Emissions Unit Code, Phase, Subphase, Activity, Emissions Source, Unabated/Located, Year, TOG, ROG, NMOC, SOx, CO, NOx, PM10, PM2.5, PM2.5-10, PM2.5-2.5, PM2.5-1.0, PM2.5-0.4, BCOs, NCOs, CO2, CH4, N2O, R, H, CO2e.

Operational Emissions Summary table with columns: Emissions Unit Code, Phase, Subphase, Activity, Emissions Source, Unabated/Located, Year, TOG, ROG, NMOC, SOx, CO, NOx, PM10, PM2.5, PM2.5-10, PM2.5-2.5, PM2.5-1.0, PM2.5-0.4, BCOs, NCOs, CO2, CH4, N2O, R, H, CO2e.

Operational Emissions Summary table with columns: Emissions Unit Code, Phase, Subphase, Activity, Emissions Source, Unabated/Located, Year, TOG, ROG, NMOC, SOx, CO, NOx, PM10, PM2.5, PM2.5-10, PM2.5-2.5, PM2.5-1.0, PM2.5-0.4, BCOs, NCOs, CO2, CH4, N2O, R, H, CO2e.

Operational Emissions Summary table with columns: Emissions Unit Code, Phase, Subphase, Activity, Emissions Source, Unabated/Located, Year, TOG, ROG, NMOC, SOx, CO, NOx, PM10, PM2.5, PM2.5-10, PM2.5-2.5, PM2.5-1.0, PM2.5-0.4, BCOs, NCOs, CO2, CH4, N2O, R, H, CO2e.

Operational Emissions Summary table with columns: Emissions Unit Code, Phase, Subphase, Activity, Emissions Source, Unabated/Located, Year, TOG, ROG, NMOC, SOx, CO, NOx, PM10, PM2.5, PM2.5-10, PM2.5-2.5, PM2.5-1.0, PM2.5-0.4, BCOs, NCOs, CO2, CH4, N2O, R, H, CO2e.

Operational Emissions Summary table with columns: Emissions Unit Code, Phase, Subphase, Activity, Emissions Source, Unabated/Located, Year, TOG, ROG, NMOC, SOx, CO, NOx, PM10, PM2.5, PM2.5-10, PM2.5-2.5, PM2.5-1.0, PM2.5-0.4, BCOs, NCOs, CO2, CH4, N2O, R, H, CO2e.

Suisun City Highway 12 Logistics Center Inputs and Assumptions for Operations

Operational Phasing	Earliest Operational Year	Buildings Included	Building Square Footage	N of Total Square Footage
Phase 1	2025	A, B/C	862,794	0.67604528
Phase 2	2026	D, E, F, G	413,483	0.69395472
2,275 solar employees		Total square footage: Total photovoltaic capacity (W)	4,276,217 2276.217	1

Operational Phasing	Phase	% of Operations	Operations Start
Initial Operations	Buildings A, B/C	68%	1-Aug-25
Full Buildout	Whole Development	100%	8-Jun-26

Assumptions Source	Use CalEEMod Defaults (Y/N)	If no, indicate assumption
Building Operations	Y	
Mobile	Y	Use F&P & P&R 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 alarm)	Y	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 BAC/MMD ESG Guidance recommendations) Default CalEEMod hp and load factor.
Waste Generation	Y	
Off-road Operational Equipment (on the job?)	Y	See F&P details below. Assumed 100% of trucks would require TRU mitigation.

Mobile Source Emissions	Daily Trip Rate Full Buildout (one-way trips per full)	One-way Trip distance (miles)	Source	Mitigated details
	1,998,051	7.1	This analysis does NOT use the ITE trip rate that would assume 87.5% of trips are employee trips for a total of 1,559 daily employee trips. This analysis uses a slightly more conservative estimate based on the Economic Impact Analysis estimate of ITE 2,275 employees. Assuming each employee makes 2 one-way trips per work day. Employee trip distance reflects that established by the IWT analysis contained within the EIR Transportation section. 14.2 miles today per employee per day = 7.1 miles per one-way trip.	Reduced average trip distance by 1.7% with implementation of TDM = 12.6 daily VMT per employee or 6.3 miles per one-way trip (per EIR Transportation analysis)
On-site worker trips	0.588250	52.0	Per F&P and use of ITE trip rate, 33.5% of the total daily trips would be truck trips. ITE trip rate is 5.81 trips/MF = 2,310 daily trips. 32.5% of 2,310 = 751. Trip distance is for tractor trailer truck travel to the site from ports (average distance from Port of Oakland and Port of Stockton is 15 miles), and for local delivery truck travel which has an average of 52 miles per day (see data below from Fleet DNA Project by DOD). See email from Emily Chen dated 4/28/2022 RE: Suisun City Highway 12 VMT questions.	
Off-site truck trips (i.e., vendor / delivery trucks serving tenant operations)	2,586,311	17,917,003.58		
Total				

Notes for Truck Travel Distance:	Estimated Trip Distance (miles)	Throughput
Estimated Stationary Power	46	1,907,988 Full TRU, Modified in 2021
California	36	1,907,988*24 metrics tons/TEU = 45,791,712
Washington	51	4,900,000
Source	47	https://www.portofstockton.com/port-facts-figures/
Weighted average trip distance		

Data from Fleet DNA Project under the DoD Alternative Fuels Data Center includes average annual vehicle miles traveled by major vehicle category. This includes a "delivery truck" category with an average of 52 daily VMT. The site also has a data composite from specific filters can be applied to identify more focused data: if selecting only for the "vehicles" of warehouse delivery, parcel delivery, and local delivery (list is below), the average daily travel distance is 49 miles. Therefore, using a single one-way distance for all trucks, whether coming from the ports or delivering to end users, is appropriate. Used 52 as the higher of the trip distances identified.

<https://afdc.energy.gov/vehicle-applications/delivery-services>

Fleet DNA "vehicles" categories

- 40 - Transportation
- 41 - Delivery services
- 42 - Parcel delivery
- 43 - Warehouse delivery
- 44 - Local delivery
- 45 - Delivery truck
- 46 - Delivery van
- 47 - Delivery truck
- 48 - Delivery van
- 49 - Delivery truck
- 50 - Delivery van
- 51 - Delivery truck
- 52 - Delivery van
- 53 - Delivery truck
- 54 - Delivery van
- 55 - Delivery truck
- 56 - Delivery van
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- 85 - Delivery truck
- 86 - Delivery van
- 87 - Delivery truck
- 88 - Delivery van
- 89 - Delivery truck
- 90 - Delivery van
- 91 - Delivery truck
- 92 - Delivery van
- 93 - Delivery truck
- 94 - Delivery van
- 95 - Delivery truck
- 96 - Delivery van
- 97 - Delivery truck
- 98 - Delivery van
- 99 - Delivery truck
- 100 - Delivery van

Energy Consumption	Total Electricity (MWh/year)	8640 A, B/C - CalEEMod Defaults	Natural Gas (MMBtu/year)	4280470.8	Total Electricity (MWh/year)	8640 D-G - CalEEMod Defaults	Natural Gas (MMBtu/year)	1015872.08	Total Electricity (MWh/year)	Full Buildout - CalEEMod Defaults	Natural Gas (MMBtu/year)
Lease Site Subtype	21,110,249.84								33,226,121.92		0,313,630.95
Unimproved Warehouse-No/Rail											
Parking Lot	883370.66			0		524298.65		0	1,407,669.27		-

Solano City Highway 12 Logistics Center Impacts and Assumptions for Construction
Section 6: Assumptions, Mitigation Criteria for Pollution and Greenhouse Gas Emissions Estimates

Project Characteristics	Value	Notes
Location	County: Solano, San Francisco	CalEEMod
City/Planning District Zone	3	CalEEMod default
Development Year	Phase 1: 2023 Phase 2: 2024	
Lead Air Quality		CalEEMod default

Proposed Area	Area	Associated Buildings	Landscaped Area (sq. ft.)	Impervious Area (sq. ft.)	Permeable Area (sq. ft.)	Permeable Coefficient (%)
A	69,55	A, B, C, E	1,260,894	213	15,428	81.49
B	1,164		1,000	1,164	0	0
C	12,717	C	178,395	1,168	25,822	88.92
D	94		1,000,000	94	0	0
All Proposed	94,526	All Proposed	1,640,289	4,565	41,250	88.90

Proposed Buildings	Building Square Footage	Parking Spots	Landscaped Area (sq. ft.)	Impervious Area (sq. ft.)	Permeable Area (sq. ft.)	Permeable Coefficient (%)
A	150,303	418	689,463	1,000	1,000	0
B	178,483	773	1,000,000	1,713	1,000	0
C	853,796,000	1,887,000	374,671,000	8,400	1,000,000	81.49
D	94	103	1,000,000	94	0	0
E	96,801	137	54,604	1,200	1,200	0
F	173,303	100	1,000,000	1,000	1,000	0
G	127,303	138	1,000,000	2,300	1,000	81.49
H	112,400,000	218,000	336,200,000	2,300	2,300	0
All Proposed Buildings	1,778,387	2,934	779,395	17,487	1,000,000	88.91

Category	Value	Notes
Construction Emissions	100.00	100.00
Operational Emissions	1.97	1.97
Total	101.97	101.97

Phase	Proposed Impacts	CalEEMod Land Use	Footprint Area	Building Area Square Footage	Landscaped Area (% No Special Landscaping Area, per 100)	Data Source / Notes
Phase 1 - Pre-Construction Off-Site	Off-site materials and utilities	Other Asphalt Surfaces	7.13	NA	0	Impacts for CalEEMod include into the Construction Phase as 29.29 acres of industrial - remainder of 24.1 acres is Parking Lot (S4.1 acres) + 29.29 acres (Total Road Widening for off-site materials and utility improvements).
Phase 1 - Pre-Construction On-Site	Whole Development Area Grub	Other Asphalt Surfaces	92.60	NA	-	Building square footage reflects Century Agriculture Suburban and data in DR 90.
Phase 2 Buildings and Infrastructure	Buildings A, B, C	Refrigerated Warehouse	28.39	892,796	374,671	Parking square footage per square in the planed area provided by Edison for Phase 1 (land 07/24/2022).
Phase 2 Buildings and Infrastructure	Phase 2 Parking & Circulation	Parking Lot	23.15	1,000,000	1,000,000	Construction improvements square footage estimated as % of approximate improvements (per % of building on Phase 1).
Phase 2 Buildings and Infrastructure	Phase 2 Storage/Retention	Open-Defined Retention	0.50	93,476.37	0	Building square footage reflects Century Agriculture Suburban and data in DR 90.
Phase 2 Buildings and Infrastructure	Other Non-Asphalt Surfaces	Other Non-Asphalt Surfaces	3.23	0	0	Parking square footage per square in the planed area provided by Edison for Phase 2 (land 07/24/2022).
Phase 3 Buildings and Infrastructure	Buildings C, E, F, G	Refrigerated Warehouse	18.58	412,441	396,375	Construction improvements square footage estimated as % of approximate improvements (per % of building on Phase 1).
Phase 3 Buildings and Infrastructure	Phase 3 Parking & Circulation	Parking Lot	13.78	100,000	100,000	Parking square footage per square in the planed area provided by Edison for Phase 2 (land 07/24/2022).
Phase 3 Buildings and Infrastructure	Phase 3 Storage/Retention	Open-Defined Retention	2.22	96,703.20	0	Construction improvements square footage estimated as % of approximate improvements (per % of building on Phase 1).
Phase 3 Buildings and Infrastructure	Other Non-Asphalt Surfaces	Other Non-Asphalt Surfaces	1.95	0	0	

Phase	Start Date	Duration (months)	End Date	Notes	Days of Construction
Phase 1 - Pre-Construction Off-Site	1-Jan-24	9	29-Sep-24	Assumes off-site and on-site pre-construction work overlaps. Used CalEEMod Auto Scheduler for phases, based on total construction duration.	134,29
Phase 1 - Pre-Construction On-Site	1-Jan-24	9	30-Sep-24	Default duration for grading in CalEEMod is 9 months. Assuming site prep and grading can overlap, but Site Preparation is complete.	135,43
Phase 2 Buildings - Other Improvements	1-Oct-24	10	31-Oct-25		136,64
Phase 3 Buildings - Other Improvements	1-Nov-24	10	31-Nov-25		137,85

Phase	CalEEMod Default Phase Duration	% of Construction Duration	Adjusted Phase Duration (month)	Adjusted Schedule % of Construction Duration	Start Date (Adjusted CalEEMod)	End Date (Adjusted CalEEMod)
Pre-Construction	120	85%	103	85%	01/01/2024	03/01/2024
Grading	15	10%	15	10%	01/01/2024	01/15/2024
Earth Retention	60	45%	54	45%	01/01/2024	05/15/2024
Total Days	210	100%	210	100%	01/01/2024	05/15/2024

Phase	CalEEMod Default Phase Duration	% of Construction Duration	Adjusted Phase Duration (month)	Adjusted Schedule % of Construction Duration	Start Date (Adjusted CalEEMod)	End Date (Adjusted CalEEMod)
Pre-Construction	15	8%	13	8%	01/01/2024	01/13/2024
Grading	15	8%	13	8%	01/01/2024	01/13/2024
Earth Retention	60	32%	54	32%	01/01/2024	05/15/2024
Total Days	90	100%	80	100%	01/01/2024	05/15/2024

Phase	CalEEMod Default Phase Duration	% of Construction Duration	Adjusted Phase Duration (month)	Adjusted Schedule % of Construction Duration	Start Date (Adjusted CalEEMod)	End Date (Adjusted CalEEMod)
Pre-Construction	15	8%	13	8%	01/01/2024	01/13/2024
Grading	15	8%	13	8%	01/01/2024	01/13/2024
Earth Retention	60	32%	54	32%	01/01/2024	05/15/2024
Total Days	90	100%	80	100%	01/01/2024	05/15/2024

Category	Value	Notes
Construction Emissions	100.00	100.00
Operational Emissions	1.97	1.97
Total	101.97	101.97

Category	Value	Notes
Construction	100.00	100.00
Operational	1.97	1.97
Total	101.97	101.97

Category	Value	Notes
Construction	100.00	100.00
Operational	1.97	1.97
Total	101.97	101.97

Mitigation Action	Notes
Water conservation	Complies with SCAQMD DRMP for construction. Quantified as 55% PM10 and PM2.5 reduction over CalEEMod Defaults. Is a SCIP included for "unmitigated" jobs.
Reduce vehicle speed on unpaved roadways to 15 mph	Note that this is only applicable for a specific portion of site grading on unpaved roadways.
Use of heavy-duty equipment that results in lower emissions	Also requires provision of electrical hookups at start of construction for use throughout. Need to identify feasible equipment to maximize emissions reduction.
Limit heavy-duty equipment idling to 3 minutes or less	Requires signage and communication to operators.
Use of Low-VOC architectural coatings (VOC < 100)	Need to confirm availability for construction contractors for long-term operations.

Category	Value	Notes
Construction	100.00	100.00
Operational	1.97	1.97
Total	101.97	101.97

Phase	Start Date	End Date	Notes
Phase 1 - Pre-Construction Off-Site	1-Jan-24	29-Sep-24	
Phase 1 - Pre-Construction On-Site	1-Jan-24	30-Sep-24	
Phase 2 Buildings - Other Improvements	1-Oct-24	31-Oct-25	
Phase 3 Buildings - Other Improvements	1-Nov-24	31-Nov-25	

Suisun City Highway 12 Logistics Center Inputs and Assumptions for Operations

Operational Phasing	Building Operations Year	Building Included	Building Square Footage	% of Total Square Footage
Phase 1	2025	A, B	137,518	0.67457426
Phase 2	2026	C	172,880	0.33424574
24 total employees		Total square footage	310,398	
		Total thousand square ft.	329,208	

Operational Schedule Phasing	Phase	% of Operations	Operations Start
Initial Operations	Buildings A, B	67%	1 Aug 25
Full Buildout	Whole Development	100%	1 Oct 26

Emissions Source	Building Operations	Use Category & Parameters - see notes below.	Notes, indicate assumption
Mobile	Y	Use Category & Parameters - 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)	Y		up to 4 hours in a single day for testing (consistent with Suisun Logistics Center Project) and up to 300 hours per year (consistent with updated BACQMD CEDA Guidance recommendations). Default California hp and load factor.
Off-road Operational Equipment	Y		See forklift details below. Assumed 100% of trucks would require this mitigation.
On-site vehicle	Y		

Mobile Source Emissions	Daily Trip Rate Full Buildout (one-way trips per day)	One-way Trip distance (miles)	Source	Mitigated details
On-site worker trips	1,993,551	7.1	This analysis does NOT use the ITE trip rate that would assume 67.5% of trips are employee trips for a total of 1,559 daily employee trips. This analysis uses a slightly more conservative estimate based on the Economic Impact Analysis estimate of ITE 528 employees. Assuming each employee makes 2 one-way trips per work day. Employee trip distance reflects that established by the VMT analysis contained within the ER Transportation section. 14.2 miles today per employee per day = 7.1 miles per one-way trip.	Reduced average trip distance by 11.7% with implementation of TDM = 12.6 daily VMT per employee or 6.3 miles per one-way trip per ER Transportation analysis.
Off-site truck trips (i.e., vendor / deliver trucks serve to meet operations)	0,588,250	52.0	Per FRP and use of ITE trip rate, 32.5% of the total daily trips would be truck trips. ITE trip rate is 2,481 trips/day = 2,310 daily trips, 32.5% of 2,310 = 751. Trip distance is for tractor trailer truck travel to the site from ports (average distance from Port of Oakland and Port of Stockton = 51 miles), and for local delivery truck travel which has an average of 52 miles per day (see data below from Fleet DNA Project by DCE). See email from Emily Chen dated 4/5/8/2022 RE: Suisun City Highway 12 VMT questions.	
Total	2,581,801	57,897,741.5		

Data for Truck Travel Distance:	Estimated Trip Distance (miles)	Throughput
California State Dept		
California	44,190,788 Full TEUs handled in 2021	150,788 * 24 metrics/TEU = 45,791,712 MT in 2021
Stockton	54.4 million MT cargo in 2021	
Average	51	
Weighted average trip distance	47	

Data from Fleet DNA Project under the DOE Alternative Fuels Data Center includes average annual vehicle miles traveled by major vehicle category. This includes a "delivery truck" category with an average of 52 daily VMT. The site also has a data composite from specific filters can be applied to identify more focused data: if selecting only for the "locations" of warehouse delivery, port delivery, and local delivery (it is below), the average daily travel distance is 49 miles. Therefore, using a single one-way distance for all trucks, whether coming from the ports or delivering to end users, is appropriate. Used 52 as the higher of the trip distances identified.

https://afdc.energy.gov/vehicle-applications/delivery-services

Vehicle	Category	Weighted Average
1	Tractor Trailer	45.79
2	Tractor Trailer	45.79
3	Tractor Trailer	45.79
4	Tractor Trailer	45.79
5	Tractor Trailer	45.79
6	Tractor Trailer	45.79
7	Tractor Trailer	45.79
8	Tractor Trailer	45.79
9	Tractor Trailer	45.79
10	Tractor Trailer	45.79
11	Tractor Trailer	45.79
12	Tractor Trailer	45.79
13	Tractor Trailer	45.79
14	Tractor Trailer	45.79
15	Tractor Trailer	45.79
16	Tractor Trailer	45.79
17	Tractor Trailer	45.79
18	Tractor Trailer	45.79
19	Tractor Trailer	45.79
20	Tractor Trailer	45.79
21	Tractor Trailer	45.79
22	Tractor Trailer	45.79
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25	Tractor Trailer	45.79
26	Tractor Trailer	45.79
27	Tractor Trailer	45.79
28	Tractor Trailer	45.79
29	Tractor Trailer	45.79
30	Tractor Trailer	45.79
31	Tractor Trailer	45.79
32	Tractor Trailer	45.79
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37	Tractor Trailer	45.79
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39	Tractor Trailer	45.79
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69	Tractor Trailer	45.79
70	Tractor Trailer	45.79
71	Tractor Trailer	45.79
72	Tractor Trailer	45.79
73	Tractor Trailer	45.79
74	Tractor Trailer	45.79
75	Tractor Trailer	45.79
76	Tractor Trailer	45.79
77	Tractor Trailer	45.79
78	Tractor Trailer	45.79
79	Tractor Trailer	45.79
80	Tractor Trailer	45.79
81	Tractor Trailer	45.79
82	Tractor Trailer	45.79
83	Tractor Trailer	45.79
84	Tractor Trailer	45.79
85	Tractor Trailer	45.79
86	Tractor Trailer	45.79
87	Tractor Trailer	45.79
88	Tractor Trailer	45.79
89	Tractor Trailer	45.79
90	Tractor Trailer	45.79
91	Tractor Trailer	45.79
92	Tractor Trailer	45.79
93	Tractor Trailer	45.79
94	Tractor Trailer	45.79
95	Tractor Trailer	45.79
96	Tractor Trailer	45.79
97	Tractor Trailer	45.79
98	Tractor Trailer	45.79
99	Tractor Trailer	45.79
100	Tractor Trailer	45.79

Suisun City Highway 12 Logistics Center Inputs and Assumptions for Construction
Inputs & Assumptions Inform Criteria Air Pollutant and Greenhouse Gas Emissions Estimates

Project Characteristics	Input	Notes
Location:	County: Solano-San Francisco	CalEEMod
Windspeed	2.2	CalEEMod Default
CEC Forecasting Climate Zone	4	
Operational Year	Phase 1 - 2025 Phase 2 - 2026	
Land Use Setting	Suburban	CalEEMod Default

Project Description Table 1. Highway 12 Logistics Center Project Site Planning Areas *NOTE THAT PD WILL NOT REFLECT PLANNING AREAS, ONLY PROPOSED BUILDINGS AND SUPPORTING INFRASTRUCTURE

Planning Area	Acres	Associated Buildings	Paved Area (sq ft)	Stormwater Acreage (page 28 of 220 of the Drainage Master Plan_21.1109 (Reduced Footprint Alt.))	Stormwater (sq. ft)
1	38.69	A, B	701,423	1.14	49,653
2	13.14	C	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

Proposed Buildings	Building Square Footage	Parking Stalls	Landscaped Area (sq. ft.) *See Preliminary Landscape Plan LP1 of Gentry_DR SUBMITTAL_12-17-2020.pdf	Landscaped Area Acres Conversion	Phase	Phase Paved Area (sq. ft.)	Phase % of Total Building Square Footage
A	170,120	648	176,180.62	4.044075185	1	560,887.62	
B	187,208	282	193,855.38	4.450289368	1		
Phase 1 Subtotal	357,328.00	930	370,036.00	8.49		560,887.62	67%
C	0	0	0	0			
D	0	0	0	0			
E	0	0	0	0			
F	172,380	269	159,025	3.650697059	2	169,606	
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	12.14506181		730,494	100%

Acres: 12.16037376
39.65962624 *Total landscaping, page 166 of 220 Drainage Master Plan_22.1109 (reduced footprint alt.) pdf

Conversion Factors	square feet
acres	43,560

Offsite Improvement Acres Estimates:

Roadways	length (LF)	width (ft)	acres	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 existing median of SR 12)	220	20	0.10	F&P LOS Study. For reduced footprint alternative cumulative conditions.
Assume roadway work along all of Penn Ave and Cordelia Ave between Planning Areas 1, 2, and 3:	3790	20	1.74	Only street frontage improvements on west side of Pennsylvania Ave and north side of Cordelia Road. Length measured via Google Earth.
Subtotal Roadway Improvements	-	-	1.84	
Utilities				
Water Supply	2944	5	0.34	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 for in roadway improvement acreage already.
Sewer Extension	3663	5	0.43	Sewer Master Plan lists as 2,700 feet. Used conservative estimate based on Google Earth measurements.
Total linear feet and acreage of Offsite Improvements	10397.00	-	2.60	
Total Sq Ft of Linear Offsite Improvements:	-	-	113,235.00	
Total miles of Linear Offsite Improvements	1.97	-	-	

Construction Acres/Square Footage by Phase

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 Feet Road Widening for offsite roadway and utility improvements.
Phase 1 - Pre-Construction On-Site*	Whole Development Area	Other Asphalt Surfaces	51.83	NA	-	Building square footage reflects Gentry Application Submittal and data in EIR PD.
Phase 2 Buildings and Infrastructure	Buildings A, B	Refrigerated Warehouse	16.70	357,328	370,016	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 Parking & Circuits	Parking Lot	12.88	560,888		Stormwater improvements square footage estimated as % of stormwater improvements equal to % of buildout in Phase 1.
Phase 2 Buildings and Infrastructure	Phase 1 Stormwater Basin	User Defined Recreation	1.14	49,653.00		Building square footage reflects Gentry Application Submittal and data in EIR PD.
Phase 2 Buildings and Infrastructure	Other hardscape	Other Non-Asphalt Surfaces	6.19			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	Buildings C	Refrigerated Warehouse	7.61	172,380	159,025	Stormwater improvements square footage estimated as % of stormwater improvements equal to % of buildout in Phase 2.
Phase 3 Buildings and Infrastructure	Phase 2 Parking & Circuits	Parking Lot	3.80	169,606		Stormwater improvements square footage estimated as % of stormwater improvements equal to % of buildout in Phase 2.
Phase 3 Buildings and Infrastructure	Phase 2 Stormwater Basin	User Defined Recreation	0.44	19,364.92		
Phase 3 Buildings and Infrastructure	Other hardscape	Other Non-Asphalt Surfaces	2.98			
Total Check:			51.83			

*See below for Managed Open Space Construction Details

Construction Schedule Phasing

Phase	Start Date	Duration (months)	End Date	Notes	Days of Construction
Phase 1 Pre-Construction Off Site	1-Jan-24	6	30-Jun-24	Assume off-site and on-site pre-construction work overlaps. Used CalEEMod Auto Scheduler for phases, based on total construction duration.	129.29
Phase 1 Pre-Construction On Site*	1-Jan-24	6	30-Jun-24	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 Buildings 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
2025 Construction Days	128.57		1-Jan-25		

*See below for Managed Open Space Construction Details

Phase 1 Offsite Improvement Construction Schedule

Default schedule based on Linear Roadway Widening Phase in CalEEMod 5-month Phase 1 construction duration. 1/1/2024 to 5/31/2024

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.
Grading	1/29/2024	6/28/2024	110	Applied CalEEMod duration and adjusted start date so that end date would be at 9 months.
Total Days			130	Total of 6 month Phase 1 construction.

*See below for Managed Open Space Construction Details

CalEEMod Default Durations for Phase 1 on-site work:

Phase	Days
Site Prep	40
Grading	110
Total Days	150

Phase 2 Building Construction 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	7/13/2024
Building Construction	740	80%	103	80%	7/13/2024	12/14/2024
Paving	55	6%	8	6%	12/5/2024	12/17/2024
Arch Coating	55	6%	8	6%	12/18/2024	12/30/2024
Total Days	925	100%	129	100%		

*Adjusted construction schedule to include fine grading (grading default in CalEEMod), Bldg Const, Paving. 129

Phase 3 Building Construction 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	30	8%	10	8%	1/1/2025	1/14/2025
Building Construction	300	81%	105	81%	1/15/2025	6/20/2025
Paving	20	5%	7	5%	6/11/2025	6/11/2026
Arch Coating	20	5%	7	5%	5/12/2026	5/28/2026
Total Days	370	100%	129	100%		

*Rounded up to 9 days

*Rounded up to 9 days

*Adjusted construction schedule to include fine grading (grading default in CalEEMod), Bldg Const, Paving.

Construction & Operations Schedule					
Construction Sub-Phase and Operations Initiation by Phase	Start	Duration	End	Days per Week	Notes
Phase 1 Off-Site Pre-construction Improvements (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 <i>See below for Managed Open Space Construction Details</i>	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	5	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	5	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.

Will model the above as 4 separate CalEEMod runs:
 1. Offsite improvements and On-site pre-construction for entire project site.
 2. Managed Open Space Construction
 3. On-site Phase 1 Buildings and Related Improvements (parking, stormwater, other) + Ops
 4. On-site Phase 2 Buildings and Related Improvements (parking, stormwater, other) + Ops
 *Assume paving starts as soon as possible to minimize on-site fugitive dust. Assume overlap of paving 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 Mitigation Actions for Consideration:

Mitigation	Notes
Water exposed areas	Complies with BAAQMD BMPs for construction, Quantified as 74% PM10 and PM2.5 reduction per CalEEMod Defaults.
Reduce vehicle speed on unpaved roadways to 15	Note that this is only applicable if we identify a portion of trips occurring on unpaved roadways.
Use of heavy-duty equipment that meets or exceeds	Not a requirement, but a common practice to reduce short-term construction emissions, which will influence the HRA as well.
Use of electric equipment, where feasible.	Also requires provision of electrical hookups at start of construction for use throughout. Need to identify feasible equipment to quantify emissions reductions.
Limit daily construction activities that include use of	Reduces maximum daily emissions for acute impacts - already assume no more than 8-hr construction days, so would not reduce daily emissions; reducing below 8 hours per day is not efficient/practical for construction contractors.
Limit heavy-duty equipment idling to 2 minutes or less	Requires signage and communication to operators.
Use of Super-low VOC architectural coatings (<10	Need to confirm enforceability for construction; consider similarly for long-term operations.

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 (acres)	Depth of Excavation	Cut Volume (cubic yards)	Fill Disposed of On Site (cubic yards) (within Development Area)
Excavated Area (sq ft)	38.00(184,795)	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.

TRU Emissions Associated with Refrigerated Trucks

Phase 1 (Bridges A, B/C)	Vehicle Type	Horsepower ²	Load Factor ³	Total TRU Trips per Day	Hours per Trip (based on ave 52 miles/trip)	Estimated Daily Hours Traveled for TRU in transit operations	Emissions (lb/day)										Emissions (tons/year; CO2e in metric tons/year)									
							ROG	NO _x	PM ₁₀	PM _{2.5}	CO	CO ₂ T	CH ₄	N ₂ O	ROG	NO _x	PM ₁₀	PM _{2.5}	CO	CO ₂	CH ₄	N ₂ O	CO ₂ e			
Phase 1 (Bridges A, B/C)	Travel to/from site	24.26	0.49		508	1	50.75	20.55	15.60	0.51	2.51	3780.76	0.23	0.11	3.75	3.58	0.50	0.09	0.46	689.99	0.04	0.02	631.71			
	On-site idling	24.26	0.49	NA	NA	NA	2,099.2	82.19	78.41	2.22	2.04	1002	15123.03	0.94	0.43	10.50	14.31	0.41	0.37	1.83	2759.95	0.17	0.08	2526.94		
Total Phase 1 Emissions							102.94	98.01	2.73	2.55	12.63	18929.79	1.17	0.54	18.25	17.89	0.91	0.47	2.29	3466.94	0.21	0.10	3158.65			
Phase 2 (Bridges D, E)	Travel to/from site	24.26	0.49		243	1	24.2	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	NA	972.8	39.38	37.57	1.04	0.96	4.80	7245.82	0.45	0.21	7.19	6.86	0.19	0.18	0.89	1332.94	0.08	0.04	1310.88		
Total Phase 2 Emissions							49.23	46.97	1.33	1.22	6.00	9058.52	0.56	0.26	8.99	8.57	0.24	0.21	1.10	1453.18	0.10	0.05	1513.61			
Full Buildout	Travel to/from site	24.26	0.49		751	1	75.2	30.39	29.00	0.82	0.76	3.71	5592.46	0.35	0.16	5.50	5.29	0.55	0.14	0.68	1020.62	0.06	0.03	934.41		
	On-site idling	24.26	0.49	NA	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		
Total Full Buildout Emissions							151.97	144.98	4.11	3.76	18.63	27992.31	1.55	0.71	27.73	26.46	0.79	0.67	3.39	5103.12	0.28	0.13	4667.21			

1. Weighted Average Horsepower within each horsepower bin, per CARB 2021 TRU Emissions Inventory. <https://ww3.arb.ca.gov/board/ru/ema/king/tru2021/apph.pdf>. Hp < 25 assumed for single-unit trucks (consistent with document assumption that all "Only California-based TRUs have a group for units under 23 horsepower because all single body trucks are assumed to be California based units, and all trailer units are over 23 horsepower.")
2. Average load factor within each TRU category, per CARB 2021 TRU Emissions Inventory. <https://ww3.arb.ca.gov/board/ru/ema/king/tru2021/apph.pdf>.
3. Average Truck Travel Speeds from Fleet DNA data: <https://afdc.energy.gov/vehicle-applications/delivery-services>

Average Horsepower and Load Factor for TRU:	
CATTrailer (hp bin: 50)	0.38
CATTrailer (hp bin: 23)	0.56
Unweighted Average	0.49

Global Warming Potential	
CO ₂	1
CH ₄	28
N ₂ O	265

Conversion Factors	
grams per pound	453.59237
pounds per ton	2000
grams per metric ton	2204.623
grams per ton	907.185
metric tons per ton	0.907185
Operational Days Per Year	365

Land Use	Total Truck Trips to/from Site Per Day ⁴	% of Trips with TRUs	Total TRUs per Day	On-site Idling Duration Per TRU per Day (hours)	Total TRU On-site Idling Duration Per Day (hours)	Mitigated On-site Idling Duration Per TRU per Day (hours)	Mitigated Total TRU On-site Idling Duration Per Day (hours)
Phase 1 (Bridges A, B/C)	508	100%	508	4	2032.15	0.500	2517.72
Phase 2 (Bridges D, E)	243	100%	243	4	972.83	0.500	1215.00
Full Buildout	751	100%	751	4	3002.99	0.500	3718.37

⁴Per Traffic Study, trip rate for Proposed Project is 1.81 per sq ft (rate for warehouse), and 32.5% of trips are operational trucks. Project is 1,276,237 sq ft.

TRU Emission Factors

Model Output: OFFROAD2021 (v1.0.3) Emissions Inventory

Region Type: Air District

Region: Bay Area AQMD

Calendar Year: 2025, 2026

Scenario: All Adopted Rules - Exhaust

Vehicle Classification: OFFROAD2021 Equipment Types

Unit: tons/day for Emissions, gallons/year for Fuel, hours/year for Activity, Horsepower-hours/year for Horsepower-hours

Region	CalYr	VehClass	MBW	HP_Bin	Fuel	HC_tpd	ROG_tpd	TOG_tpd	CO_tpd	NO _x _tpd	CO ₂ _tpd	PM ₁₀ _tpd	PM _{2.5} _tpd	SO _x _tpd	NH ₃ _tpd	Fuel_gpy	Total Activity hp %Activity	Total Population Horsepower_Hour_hhpy		
Bay Area AQMD	2025	Transportation Refrigeration Un	Aggregate	25	Diesel	0.040575346	0.36558115	0.058401268	0.045059492	0.37578633	69.087823	0.013781555	0.012676595	109070.73	1.55716606	2259883.17	3444173.99	0.403604638	1932.33791	61306297.02
Bay Area AQMD	2025	Transportation Refrigeration Un	Aggregate	50	Diesel	0.071464059	0.659881259	0.102892363	0.079405236	0.577252602	117.774763	0.020926273	0.009566207	185590.85	2.64963606	3844703.13	5089360.23	0.596395362	2855.77667	172020375.8

	Emission Rates									
	g/hr	g/hr	g/hr	g/hr	g/hr	g/hr	g/hr	gallon	gallon	
Truck TRU	1.97	2.029666192	0.24	0.07	0.07	37.315	589103.85	0.57	0.26	0.26
Trailer TRU	1.27	1.111150224	0.16	0.02	0.02	228.71	357188.62	0.37	0.20	0.20
Weighted Average	1.55	1.48	0.19	0.04	0.04	285.81	450789.49	0.57	0.26	0.26
g/hr weighted average	38.83	37.05	4.73	1.05	0.97	7145.36	11269737.28	14.25	6.50	6.50

⁴Source 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 - Fuel use (gallons/hr): 0.75449379
 Trailer TRU - Fuel use (gallons/hr): 0.65646634

Onsite Yard Equipment

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

Equipment Type	Horsepower	Load Factor	Hours of Operation per Day	Number of Units	Days per Year	Emissions (lb/day)									Emissions (tons/year)										
						ROG	CO	NO _x	PM ₁₀ BW, TW, roadway dust	PM _{2.5} BW, TW, roadway dust	CO ₂	CH ₄	N ₂ O	ROG	CO	NO _x	PM ₁₀ BW, TW, roadway dust	PM _{2.5} BW, TW, roadway dust	CO ₂	CH ₄	N ₂ O	CO _{2e}			
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	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 - Forklifts	50	0.73	4	4	25	1.312597	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	11.9	1.61E-03	0	10.47
Second set of Buildings - Yard Truck	50	0.73	2	4	25	0.656298	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.

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 CO _{2e}	CH ₄
28	1
GWP CO _{2e}	N ₂ O
265	1
Horsepower	Kilowatt
1.359621617	1

Power Rating (Horsepower)	Emission Factors for Tier 4 final										
	TOG (lb/hp-hr)	ROG (lb/hp-hr)	CO (g/hp-hr)	NO _x (g/h)	SO ₂ (g/h)	PM ₁₀ (g/h)	PM _{2.5} (g/h)	CO ₂ (lb/hp-hr)	CH ₄ (g/hp-hr)		
200 kW (220 hp)	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: Air District

Region: Bay Area AQMD

Calendar Year: 2025

Scenario: All Adopted Rules - Exhaust

Vehicle Classification: OFFROAD2021 Equipment Types

Units: tons/day for Emissions, gallons/year for Fuel, hours/year for Activity, Horsepower-hour/year for Horsepower-hours

Region	Calendar Year	Vehicle Category	Model Year	Horsepower	Fuel	HC_tpd	ROG_tpd	TOG_tpd	CO_tpd	NO _x _tpd	CO ₂ _tpd	PM10_tpd	PM2.5_tpd	SO _x _tpd	NH ₃ _tpd	Fuel Cons. Total	Acti Total	Pop	Horsepower_Hours_hpy
Bay Area AQMD	2025	Cargo Handling Equipment - Aggregate	Aggregate	Aggregate	Diesel	0.001249	0.001464	0.00173078	0.021896	0.009709	4.155212	0.000314	0.00029	3.93E-05	6.69E-05	135155.6	60106.35	0	0
Bay Area AQMD	2025	Industrial - Forklifts	Aggregate	Aggregate	Diesel	0.028542	0.034536	0.04110083	0.445098	0.304312	79.12434	0.012062	0.011097	0.00075	0	2571159	2453566	5161.795	48281089

Name: 88882222, tel: 0 20 Extension: 8888
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Calendar: 2023

Website: 88882222.com
URL: 88882222.com

Year	Month	Day	Event	Time	Location	Notes
2023	01	01	Monday	08:00	London	Start of the year
2023	01	02	Tuesday	09:00	London	Meeting with the team
2023	01	03	Wednesday	10:00	London	Project update
2023	01	04	Thursday	11:00	London	Client meeting
2023	01	05	Friday	12:00	London	End of the year
2023	01	06	Saturday	13:00	London	Day off
2023	01	07	Sunday	14:00	London	Day off
2023	01	08	Monday	15:00	London	Start of the year
2023	01	09	Tuesday	16:00	London	Meeting with the team
2023	01	10	Wednesday	17:00	London	Project update
2023	01	11	Thursday	18:00	London	Client meeting
2023	01	12	Friday	19:00	London	End of the year
2023	01	13	Saturday	20:00	London	Day off
2023	01	14	Sunday	21:00	London	Day off
2023	01	15	Monday	22:00	London	Start of the year
2023	01	16	Tuesday	23:00	London	Meeting with the team
2023	01	17	Wednesday	00:00	London	Project update
2023	01	18	Thursday	01:00	London	Client meeting
2023	01	19	Friday	02:00	London	End of the year
2023	01	20	Saturday	03:00	London	Day off
2023	01	21	Sunday	04:00	London	Day off
2023	01	22	Monday	05:00	London	Start of the year
2023	01	23	Tuesday	06:00	London	Meeting with the team
2023	01	24	Wednesday	07:00	London	Project update
2023	01	25	Thursday	08:00	London	Client meeting
2023	01	26	Friday	09:00	London	End of the year
2023	01	27	Saturday	10:00	London	Day off
2023	01	28	Sunday	11:00	London	Day off
2023	01	29	Monday	12:00	London	Start of the year
2023	01	30	Tuesday	13:00	London	Meeting with the team
2023	01	31	Wednesday	14:00	London	Project update

Mitigated TRU Emissions Associated with Refrigerated Trucks

Mitigation: require all TRUs be plug-in cabable and plug-in immediately upon docking. Assumed no more than 5 minutes of idling.

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	Emissions (lb/day)								Emissions (tons/year; CO2e in metric tons/year)									
						RDG	NO _x	PM ₁₀	PM _{2.5}	CO	CO ₂ T	CH ₄	N ₂ O	RDG	NO _x	PM ₁₀	PM _{2.5}	CO	CO ₂ T	CH ₄	N ₂ O	CO ₂ e	
Phase 1 (Bldgs. A, B/C)																							
Travel to/from site	24.26	0.49			508		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			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
Phase 2 (Bldgs. D-G)																							
Travel to/from site	24.26	0.49			243		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			0.82	0.78	0.02	0.02	0.10	150.98	0.01	0.00	0.11	0.14	0.00	0.00	0.02	27.51	0.00	0.00	25.23
Total Phase 2 Emissions							10.67	10.18	0.29	0.27	1.30	1962.69	0.12	0.06	1.91	1.85	0.05	0.05	0.24	358.15	0.02	0.01	327.95
Full Buildout																							
Travel to/from site	24.26	0.49			751		70.79	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	2.42	0.07	0.06	0.31	466.04	0.03	0.01	0.46	0.44	0.01	0.01	0.06	85.46	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	1032.23

1. Weighted Average horsepower within each horsepower bin, per CARB 2021 TRU Emissions Inventory. <https://ww3.arb.ca.gov/board/rulemaking/tru2021/apph.pdf>. Hp < 25 assumed for single-unit trucks (consistent with document assumption that all "only California-based TRUs have a group for units under 23 horsepower because all single body trucks are assumed to be California based units, and all trailer units are over 23 horsepower."
2. Average load factor within each TRU category, per CARB 2021 TRU Emissions Inventory. <https://ww3.arb.ca.gov/board/rulemaking/tru2021/apph.pdf>.
3. Average Truck Travel Speeds from Fleet DNA data: <https://afdc.energy.gov/vehicle-applications/delivery-services>

Average Horsepower and Load Factor for TRU:

CA-Trailer (hp bin: 50)	33.8	0.38
CA-Trailer (hp bin: 23)	17.8	0.56
Weighted Average	24.26	0.49

Global Warming Potential	
CO ₂	1
CH ₄	28
N ₂ O	265

*per IPCC 5th Assessment Report (AR5)

Conversion Factors:	
grams per pound:	453.59237
pounds per ton:	2000
pounds per metric ton:	2204.623
grams per ton:	907.185
metric tons per ton:	0.907185
Operational Days Per Year:	365

TRU On-Site Idling

Land Use	Total Truck Trips to/from Site Per Day*	% of Trips with TRUs	Total TRUs per Day	On-site Idling Duration Per TRU per Day (hours)	Total TRU On-site Idling Duration Per Day (hours)	Mitigated On-site Idling Duration Per TRU per Day (hours)	Mitigated Total TRU On-site Idling Duration Per Day (hours)
Phase 1 (Bldgs. A, B/C)	508	100%	508	0.08333333	42.29	0.500	253.77
Phase 2 (Bldgs. D-G)	243	100%	243	0.08333333	20.27	0.500	121.60
Full Buildout	751	100%	751	0.08333333	62.56	0.500	375.37

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

TRU Emission Factors

Model Output: OFFROAD2021 (v1.0.3) Emissions Inventory

Region Type: Air District
 Region: Bay Area AQMD
 Calendar Year: 2025, 2026
 Scenario: All Adopted Rules - Exhaust
 Vehicle Classification: OFFROAD2021 Equipment Types
 Units: tons/day for Emissions, gal/ton/year for Fuel, hours/year for Activity, Horsepower-hours/year for Horsepower-hours

Region	AQMD	CalYr	Vehicle Class	MDYr	HP_Bin	Fuel	HC_tpd	RDG_tpd	TOG_tpd	CO_tpd	NOx_tpd	CO2_tpd	PM10_tpd	PM2.5_tpd	SOx_tpd	NH3_tpd	Fuel_gpy	Total Activity hr	%Activity	Total Population	Horsepower_Hours_hpy
Bay Area AQMD		2025	Transportation Refrigeration Unit Aggregate			25 Diesel	0.040575346	0.36558115	0.008402268	0.045059492	0.37578633	69.087823	0.013781555	0.012676595	109070.73	1.55716E-06	2259883.17	344473.99	0.403604638	1932.33781	61106297.02
Bay Area AQMD		2025	Transportation Refrigeration Unit Aggregate			50 Diesel	0.071464059	0.658881259	0.102892363	0.079405236	0.577252602	117.7774763	0.010392673	0.009566107	185560.85	2.64961E-06	3844701.13	5089360.23	0.596395362	2855.77687	172020375.8

	Emission Rates									
	g/hp-hr RDG Exhaust	g/hp-hr NOX Exhaust	g/hp-hr CO Exhaust	g/hp-hr PM10 Exhaust	g/hp-hr PM2.5 Exhaust	g/hp-hr CO2 Exhaust	g/hp-hr SOX Exhaust	g/gallon CH4*	g/gallon N2O*	
Truck TRU	1.97	2.026669192	0.24	0.07	0.07	273.16	689103.88	0.57	0.28	
Trailer TRU	1.27	1.111155224	0.15	0.02	0.02	226.71	357186.62	0.57	0.28	
Weighted Average	1.55	1.48	0.19	0.04	0.04	285.81	450789.49	0.57	0.28	
g/hr weighted average	38.83	37.05	4.73	1.05	0.97	7145.36	11269737.28	14.25	6.50	

*Source for CH₄ and N₂O emission factors for TRU is: https://www.epa.gov/sites/production/files/2018-03/documents/emission-factors_mar_2018_1.pdf (Table 5)
 Truck TRU - Fuel use (gallons/hr): 0.754493979
 Trailer TRU - Fuel use (gallons/hr): 0.656446634

Mitigated Stationary Equipment Emissions

Mitigation: require all on-site backup generators and fire pumps meet or exceed Tier 4 engine standards

Equipment Type	Horsepower	Load Factor	Hours of Operation per Day	Number of Units	Days per Year	Emissions (lb/day)										Emissions (tons/year)									
						ROG	CO	NO _x	PM ₁₀ BW, TW, roadway dust	PM _{2.5} BW, TW, roadway dust	CO ₂	CH ₄	N ₂ O	ROG	CO	NO _x	PM ₁₀ BW, TW, roadway dust	PM _{2.5} BW, TW, roadway dust	CO ₂	CH ₄	N ₂ O	CO ₂ e			
First Buildings - 46 kVA Backup Generator	50	0.73	4	3	25	0.984493	2.485755	0.28408631	0.142043	0.142043	0	690	0.09562	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 Generator	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
First Buildings - Fire Pump	50	0.73	2	3	25	0.492246	1.242878	0.14204315	0.071022	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	0.094695	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 generators and site:

Size	Number of Units	Horsepower
46kV	1 per building	50

Conversion Factors

B	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 CO ₂ e	CH ₄	1
28	1	
GWP CO ₂ e	N ₂ O	1
265	1	
Horsepower	Kilowatt	1
1.359621617	1	

Emission Factors

Power Rating (Horsepower)	Emission Factors for Tier 4 final									
	TOG (lb/hp-hr)	ROG (lb/hp-hr)	CO (g/hp-hr)	NO _x (g/h)	SO ₂ (g/h)	PM10 (g/l)	PM2.5 (g/l)	CO ₂ (lb/hp-hr)	CH ₄ (g/hp-hr)	
200 kW (220 hp)	0.00247	0.00225	2.574	0.294	0.005	0.15	0.15	1.15	0.073	

Pollutant	Emissions Factor Source	https://www3.epa.gov/ttnchie1/ap42/ch03/final/c03d03.pdf
TOG	AP42 Table 3-3-1	
ROG	AP42 Table 3-3-1 and assumes ROG accounts for 91% of TOG	
CO	Tier 4 emissions factors from: EPA 40 CFR Part 1039 - https://www.ecfr.gov/current/title-40/chapter-I/subchapter-U/part-1039#p40.36-1039-b	
Nox	Tier 4 emissions factors from: EPA 40 CFR Part 1039 - https://www.ecfr.gov/current/title-40/chapter-I/subchapter-U/part-1039#p40.36-1039-b	
SO2	SO2 Based on diesel fuel sulfur content 15 ppmw, diesel heat value 19300 BTU/lb, Brake specific fuel consumption (BSFC) of 7000 BTU/hp-hr	
PM10	Tier 4 emissions factors from: EPA 40 CFR Part 1039 - https://www.ecfr.gov/current/title-40/chapter-I/subchapter-U/part-1039#p40.36-1039-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/c03d03.pdf	
CH4	CH4 Based on 0.0014 kg/gallon diesel (California Climate Action Registry General Reporting Protocol), diesel density 6.943 lb/gallon, diesel heat value 19,300 BTU/lb, BSFC of 7,000 BTU/hp-hr	

TRU Emissions Associated with Refrigerated Trucks - Reduced Footprint

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	Emissions (lb/day)										Emissions (tons/year; CO2e in metric tons/year)							
						RDG	NO _x	PM ₁₀	PM _{2.5}	CO	CO ₂	CH ₄	N ₂ O	RDG	NO _x	PM ₁₀	PM _{2.5}	CO	CO ₂	CH ₄	N ₂ O	CO _{2e}	
Phase 1 (Bldg. A, B, C)	24.26	0.49			210	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
Travel to/from site	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
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	1368.17	
Phase 2 (Bldg. D, G)	24.26	0.49			101	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
Travel to/from site	24.26	0.49	NA	NA		405.6	16.42	15.67	0.44	0.41	2.00	1021.47	0.19	0.09	3.00	2.86	0.08	0.07	0.37	551.47	0.03	0.02	504.86
On-site idling	24.26	0.49	NA	NA		405.6	16.42	15.67	0.44	0.41	2.00	1021.47	0.19	0.09	3.00	2.86	0.08	0.07	0.37	551.47	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	689.22	0.04	0.02	631.08	
Full Buildout																							
Travel to/from site	24.26	0.49			312	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	0.38	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	8.21	7.79	0.23	0.21	1.12	1656.46	0.09	0.04	1545.53
Total Full Buildout Emissions						63.08	60.17	1.70	1.57	7.69	11405.89	0.65	0.29	11.52	10.98	0.31	0.29	1.40	2118.07	0.12	0.05	1937.28	

1. Weighted Average horsepower within each horsepower bin, per CARB 2021 TRU Emissions Inventory. <https://ww3.arb.ca.gov/board/rulemaking/tru2021/apph.pdf>. Hp < 25 assumed for single-unit trucks (consistent with document assumption that all "Only California-based TRUs have a group for units under 23 horsepower because all single-body trucks are assumed to be California-based units, and all trailer units are over 23 horsepower."
2. Average load factor within each TRU category, per CARB 2021 TRU Emissions Inventory. <https://ww3.arb.ca.gov/board/rulemaking/tru2021/apph.pdf>.
3. Average Truck Travel Speeds from Fleet DNA data: <https://afdc.energy.gov/vehicle-applications/delivery-services>

Average Horsepower and Load Factor for TRU:

CA/Trailer (ho bin: 50)	33.8	0.38
CA/Trailer (ho bin: 23)	17.8	0.56
Weighted Average	24.26	0.49

Global Warming Potential	
CO ₂	1
CH ₄	28
N ₂ O	265

*per IPCC 5th Assessment Report (AR5)

Conversion Factors:	
grams per pound:	453.59237
pounds per ton:	2000
pounds per metric ton:	2204.623
grams per ton:	907.185
metric tons per ton:	0.907185
Operational Days Per Year:	365

TRU On-Site Idling

Lead Use	Total Truck Trips to/from Site Per Day*	% of Trips with TRUs	Total TRUs per Day	On-site Idling Duration Per TRU per Day (hours)	Total TRU On-site Idling Duration Per Day (hours)	Mitigated On-site idling Duration Per TRU per Day (hours)	Mitigated Total TRU On-site idling Duration Per Day (hours)
Phase 1 (Bldg. A, B)	310	100%	310	210	4	840.79	0.500
Phase 2 (Bldg. C)	101	100%	101	101	4	405.61	0.500
Full Buildout	312	100%	312	312	4	1246.40	0.500

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

TRU Emission Factors

Model Output: OFFROAD2021 (v1.0.3) Emissions Inventory

Region Type: Air District
 Region: Bay Area AQMD
 Calendar Year: 2025, 2026
 Scenario: All Adopted Rules - Exhaust
 Vehicle Classification: OFFROAD2021 Equipment Types
 Units: tons/day for Emissions, gal/ton/year for Fuel, hours/year for Activity, Horsepower-hours/year for Horsepower-hours

Region	AQMD	CalYr	Vehicle Class	MDYr	HP_Bin	Fuel	HC_tpd	RDG_tpd	TOG_tpd	CO_tpd	NOx_tpd	CO2_tpd	PM10_tpd	PM2.5_tpd	SOx_tpd	NH3_tpd	Fuel_gpy	Total Activity hr	%Activity	Total Population	Horsepower_Hours_hpy
Bay Area AQMD		2025	Transportation Refrigeration Unit Aggregate			25 Diesel	0.040575346	0.36558115	0.008401268	0.045059492	0.37578633	69.087823	0.013781555	0.012676595	10.907073	1.55716E-06	2259883.17	344473.99	0.403604638	1932.33781	61306397.02
Bay Area AQMD		2025	Transportation Refrigeration Unit Aggregate			50 Diesel	0.071464059	0.658881259	0.102892363	0.079405236	0.577252602	117.7774763	0.010392673	0.009566107	18.5560.85	2.64963E-06	4519766.35	688947.98	0.596395362	2855.77687	172020375.8

	Emission Rates									
	RDG Exhaust	NOx Exhaust	CO Exhaust	PM10 Exhaust	PM2.5 Exhaust	CO2 Exhaust	SOX Exhaust	CH4*	a/gallon	a/gallon
Truck TRU	1.97	2.026665192	0.24	0.07	0.07	273.16	489103.88	0.57	0.28	
Trailer TRU	1.27	1.111155224	0.15	0.02	0.02	226.71	357186.62	0.57	0.28	
Weighted Average	1.55	1.48	0.19	0.04	0.04	285.81	450789.49	0.57	0.28	
a/hr weighted average	38.83	37.05	4.73	1.05	0.97	7145.36	11269737.28	14.25	6.50	

*Source for CH₄ and N₂O emission factors for TRU is: https://www.epa.gov/sites/production/files/2018-03/documents/emission-factors_mar_2018_1.pdf (Table 5)
 Truck TRU - Fuel use (gal/ton/hr): 0.754495379
 Trailer TRU - Fuel use (gal/ton/hr): 0.665446634

TRU Emissions Associated with Refrigerated Trucks - Mitigated Reduced Footprint

Vehicle Type	Horsepower ¹	Load Factor ²	Total TRU Trips per Day	Hours per Trip (based on ave. 5.2 miles/trip)	Estimated Daily Hours Travel for TRU in transit operations	Emissions (lb/day)											Emissions (tons/year; CO2e in metric tons/year)						
						RDG	NO _x	PM ₁₀	PM _{2.5}	CO	CO ₂	CH ₄	N ₂ O	RDG	NO _x	PM ₁₀	PM _{2.5}	CO	CO ₂	CH ₄	N ₂ O	CO _{2e}	
Phase 1 (Bldg. A, B, C)	24.26	0.49		230	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	
Travel to/from site	24.26	0.49	NA	NA	17.5	0.71	0.68	0.02	0.02	0.09	130.48	0.01	0.00	0.11	0.12	0.00	0.00	0.02	23.81	0.00	0.00	21.80	
On-site idling	24.26	0.49	NA	NA	NA	9.22	8.79	0.25	0.23	1.12	1696.29	0.11	0.05	1.68	1.63	0.05	0.04	0.21	309.57	0.02	0.01	283.44	
Total Phase 1 Emissions																							
Phase 2 (Bldg. D, E)	24.26	0.49		101	101.4	4.11	3.92	0.11	0.10	0.50	755.37	0.05	0.03	0.75	0.71	0.02	0.02	0.09	137.85	0.01	0.00	126.22	
Travel to/from site	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	
On-site idling	24.26	0.49	NA	NA	NA	8.45	8.24	0.11	0.11	0.54	818.37	0.05	0.03	0.81	0.77	0.02	0.02	0.10	149.14	0.01	0.00	136.73	
Total Phase 2 Emissions																							
Full Buildout	24.26	0.49		312	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	
Travel to/from site	24.26	0.49	NA	NA	26.0	1.05	1.00	0.03	0.03	0.13	191.41	0.01	0.00	0.16	0.16	0.01	0.00	0.02	35.30	0.00	0.00	32.28	
On-site idling	24.26	0.49	NA	NA	NA	13.97	13.04	0.37	0.34	1.47	2144.61	0.14	0.07	2.49	2.38	0.07	0.06	0.26	418.62	0.03	0.01	420.11	
Total Full Buildout Emissions																							

1. Weighted Average horsepower within each horsepower bin, per CARB 2021 TRU Emissions Inventory. <https://ww3.arb.ca.gov/board/rulemaking/tru2021/apph.pdf>. Hp < 25 assumed for single-unit trucks (consistent with document assumption that all "Only California-based TRUs have a group for units under 23 horsepower because all single-body trucks are assumed to be California-based units, and all trailer units are over 23 horsepower."
2. Average load factor within each TRU category, per CARB 2021 TRU Emissions Inventory. <https://ww3.arb.ca.gov/board/rulemaking/tru2021/apph.pdf>.
3. Average Truck Travel Speeds from Fleet DNA data: <https://afdc.energy.gov/vehicle-applications/delivery-services>

Average Horsepower and Load Factor for TRU:

CA-Trailer (hp bin: 50)	33.8	0.38
CA-Trailer (hp bin: 23)	17.8	0.56
Weighted Average	24.26	0.49

Global Warming Potential	
CO ₂	1
CH ₄	28
N ₂ O	265

*per IPCC 5th Assessment Report (AR5)

Conversion Factors:	
grams per pound:	453.59237
pounds per ton:	2000
pounds per metric ton:	2204.623
grams per ton:	907.185
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 TRUs per Day	On-site Idling Duration Per TRU per Day (hours)	Total TRU On-site Idling Duration Per Day (hours)	Mitigated On-site idling Duration Per TRU per Day (hours)	Mitigated Total TRU On-site idling Duration Per Day (hours)
Phase 1 (Bldg. A, B)	230	100%	230	0.08333333	17.52	0.500	105.10
Phase 2 (Bldg. C)	101	100%	101	0.08333333	8.45	0.500	50.70
Full Buildout	312	100%	312	0.08333333	25.97	0.500	155.80

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

TRU Emission Factors
 Model Output: OFFROAD2021 (v.1.0.3) Emissions Inventory
 Region Type: Air District
 Region: Bay Area AQMD
 Calendar Year: 2025, 2026
 Scenario: All Adopted Rules - Exhaust
 Vehicle Classification: OFFROAD2021 Equipment Types
 Units: tons/day for Emissions, gallons/year for Fuel, hours/year for Activity, Horsepower-hours/year for Horsepower-hours

Region	AQMD	CalYr	Vehicle Class	MIDYr	HP_Bin	Fuel	HC_tpd	RDG_tpd	TOG_tpd	CO_tpd	NO _x _tpd	CO ₂ _tpd	PM10_tpd	PM2.5_tpd	SO _x _tpd	NH ₃ _tpd	Fuel_gpy	Total Activity hr %Activity	Total Population	Horsepower_Hours_hpy	
Bay Area AQMD		2025	Transportation Refrigeration Unit - Aggregate		25	Diesel	0.040571346	0.365581115	0.009401268	0.045059492	0.37578633	69.087823	0.013781555	0.012676595	109070.73	1.55716E-06	2259883.17	344473.99	0.403604638	1932.3791	61306397.02
Bay Area AQMD		2025	Transportation Refrigeration Unit - Aggregate		50	Diesel	0.071464059	0.658881259	0.0102892363	0.079405236	0.577252602	117.7774763	0.010392673	0.009566107	185560.85	2.64963E-06	8844703.13	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/hp-hr	g/gallon	g/gallon
Truck TRU	1.97	2.028666102	0.24	0.07	0.07	273.15	289103.88	0.57	0.28	0.28
Trailer TRU	1.27	1.111155224	0.15	0.02	0.02	226.71	357186.62	0.57	0.26	0.26
Weighted Average	1.55	1.48	0.19	0.04	0.04	285.81	450789.49	0.57	0.26	0.26
g/hr weighted average	38.83	37.05	4.73	1.05	0.97	7145.36	11269737.28	14.25	6.50	6.50

*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 - Fuel use (gallons/hr): 0.754495979
 Trailer TRU - Fuel use (gallons/hr): 0.656546634

Mitigated Stationary Equipment Emissions - Reduced Footprint

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

Equipment Type	Horsepower	Load Factor	Hours of Operation per Day	Number of Units	Days per Year	Emissions (lb/day)										Emissions (tons/year)									
						ROG	CO	NO _x	PM ₁₀ BW, TW, roadway dust	PM _{2.5} BW, TW, roadway dust	CO ₂	CH ₄	N ₂ O	ROG	CO	NO _x	PM ₁₀ BW, TW, roadway dust	PM _{2.5} BW, TW, roadway dust	CO ₂	CH ₄	N ₂ O	CO _{2e}			
First Buildings - 46 KVA Backup Generator	50	0.73	4	2	25	0.656328	1.65717	0.18939087	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	5.21	
Second set of Buildings - 46 KVA Backup Generator	50	0.73	4	1	25	0.328164	0.828585	0.09469544	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	
First Buildings - Fire Pump	50	0.73	2	2	25	0.328164	0.828585	0.09469544	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	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.

Number of backup generators and site:

Size	Number of Units	Horsepower
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 CO _{2e}	CH ₄	
28	1	
GWP CO _{2e}	N ₂ O	
265	1	
Horsepower	Kilowatt	
1.359621617	1	

Emission Factors

Power Rating (Horsepower)	Emission Factors for Tier 4 final								
	TOG (lb/hp-hr)	ROG (lb/hp-hr)	CO (g/hp-hr)	NO _x (g/h)	SO ₂ (g/h)	PM ₁₀ (g/l)	PM _{2.5} (g/l)	CO ₂ (lb/hp-hr)	CH ₄ (g/hp-hr)
200 kW (220 hp)	0.00247	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/m ²) 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.
P	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 Factors		
lbs	tons	
	2000	1
lbs	grams	
	1	453.59237

Report generated on: 2023-10-27 10:15:30
Report ID: 1234567890

ID	Name	Age	Gender	Address	City	State	Zip	Phone	Email	Notes
1001	John Doe	35	M	123 Main St	New York	NY	10001	212-555-1234	john.doe@example.com	Active
1002	Jane Smith	28	F	456 Park Ave	New York	NY	10017	212-555-5678	jane.smith@example.com	Active
1003	Robert Johnson	42	M	789 Broadway	New York	NY	10018	212-555-9012	robert.johnson@example.com	Active
1004	Emily White	22	F	1010 5th Ave	New York	NY	10017	212-555-3456	emily.white@example.com	Active
1005	Michael Brown	30	M	2020 6th Ave	New York	NY	10011	212-555-7890	michael.brown@example.com	Active
1006	Sarah Green	38	F	3030 7th Ave	New York	NY	10014	212-555-2345	sarah.green@example.com	Active
1007	David Lee	25	M	4040 8th Ave	New York	NY	10018	212-555-6789	david.lee@example.com	Active
1008	Alice Black	32	F	5050 9th Ave	New York	NY	10018	212-555-0123	alice.black@example.com	Active
1009	James Wilson	40	M	6060 10th Ave	New York	NY	10019	212-555-4567	james.wilson@example.com	Active
1010	Olivia Taylor	27	F	7070 11th Ave	New York	NY	10019	212-555-8901	olivia.taylor@example.com	Active

Report generated on: 2023-10-27 10:15:30
Report ID: 1234567890

ID	Name	Age	Gender	Address	City	State	Zip	Phone	Email	Notes
1011	Benjamin King	33	M	8080 12th Ave	New York	NY	10019	212-555-2345	benjamin.king@example.com	Active
1012	Mia Hall	29	F	9090 13th Ave	New York	NY	10019	212-555-6789	mia.hall@example.com	Active
1013	Ethan Clark	37	M	10100 14th Ave	New York	NY	10019	212-555-0123	ethan.clark@example.com	Active
1014	Ava Lewis	24	F	11110 15th Ave	New York	NY	10019	212-555-4567	ava.lewis@example.com	Active
1015	Noah Walker	31	M	12120 16th Ave	New York	NY	10019	212-555-8901	noah.walker@example.com	Active
1016	Isabella Young	26	F	13130 17th Ave	New York	NY	10019	212-555-2345	isabella.young@example.com	Active
1017	Liam King	34	M	14140 18th Ave	New York	NY	10019	212-555-6789	liam.king@example.com	Active
1018	Zoe Hall	28	F	15150 19th Ave	New York	NY	10019	212-555-0123	zoe.hall@example.com	Active
1019	Lucas Clark	36	M	16160 20th Ave	New York	NY	10019	212-555-4567	lucas.clark@example.com	Active
1020	Charlotte Lewis	25	F	17170 21st Ave	New York	NY	10019	212-555-8901	charlotte.lewis@example.com	Active

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

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

Un/Mit.	TOG	ROG	NOx	CO	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

% Reduced	83%	81%	89%	11%	—	91%	—	7%	90%	—	12%	—	—	—	—	—	—	—
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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	CO	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

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

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	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

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

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 Equipment	3.23	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 Equipment	0.40	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	—	—	—	—	—	—	—

Highway 12 Logistics Center Managed Open Space Construction Detailed Report, 5/18/2023

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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	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 Movement	—	—	—	—	—	—	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

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

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 Equipment	0.50	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 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 Equipment	0.06	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 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 Equipment	0.01	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 Movement:	—	—	—	—	—	—	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)

Vegetation	TOG	ROG	NOx	CO	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	CO	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

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

Highway 12 Logistics Center Managed Open Space Construction Detailed Report, 5/18/2023

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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)

Vegetation	TOG	ROG	NOx	CO	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

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	CO	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

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

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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
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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 (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)
------------	--	--	--	--	-----------------------------

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

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

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres
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5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres
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5.18.1.2. Mitigated

Biomass Cover Type	Initial Acres	Final Acres
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5.18.2. Sequestration

5.18.2.1. Unmitigated

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

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
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

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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	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

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8. User Changes to Default Data

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	—	—	—	—
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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
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

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

Un/Mit.	TOG	ROG	NOx	CO	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

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

Year	TOG	ROG	NOx	CO	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
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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	CO	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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	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

3. Construction Emissions Details

3.1. Site Preparation (2024) - Unmitigated

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

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	4.34	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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.71	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 Movement:	—	—	—	—	—	—	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 Equipment	0.13	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 Movement:	—	—	—	—	—	—	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

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

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.50	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

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Dust From Material Movement:	—	—	—	—	—	—	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 Equipment	0.08	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 Movement:	—	—	—	—	—	—	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 Equipment	0.01	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 Movement:	—	—	—	—	—	—	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

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

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 Equipment	4.19	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 Movement	—	—	—	—	—	—	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 Equipment	4.19	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

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Dust From Material Movement:	—	—	—	—	—	—	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 Equipment	1.78	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 Movement:	—	—	—	—	—	—	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 Equipment	0.32	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 Movement:	—	—	—	—	—	—	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

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

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 Equipment	0.64	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 Movement	—	—	—	—	—	—	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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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Off-Road Equipment	0.64	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 Movement	—	—	—	—	—	—	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 Equipment	0.27	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 Movement	—	—	—	—	—	—	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 Equipment	0.05	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 Movement	—	—	—	—	—	—	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

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

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.63	0.53	4.53	4.54	0.01	0.27	—	0.27	0.25	—	0.25	—	632	632	0.03	0.01	—	634

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Dust From Material Movement:	—	—	—	—	—	—	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 Equipment	0.03	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 Movement:	—	—	—	—	—	—	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 Equipment	0.01	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 Movement:	—	—	—	—	—	—	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

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

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	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 Movement	—	—	—	—	—	—	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 Equipment	< 0.005	< 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

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Dust From Material Movement:	—	—	—	—	—	—	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 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 Movement:	—	—	—	—	—	—	< 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
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3.7. Linear, Grading & Excavation (2024) - Unmitigated

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

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 Equipment	4.81	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 Movement	—	—	—	—	—	—	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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	4.81	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 Movement	—	—	—	—	—	—	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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.03	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	

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Dust From Material Movement:	—	—	—	—	—	—	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 Equipment	0.19	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 Movement:	—	—	—	—	—	—	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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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

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

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

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 Equipment	0.76	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 Movement:	—	—	—	—	—	—	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 Equipment	0.76	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 Movement:	—	—	—	—	—	—	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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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Off-Road Equipment	0.16	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 Movement	—	—	—	—	—	—	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 Equipment	0.03	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 Movement	—	—	—	—	—	—	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

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

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 Equipment	2.44	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 Movement	—	—	—	—	—	—	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 Equipment	0.45	0.38	3.60	3.80	0.01	0.15	—	0.15	0.14	—	0.14	—	762	762	0.03	0.01	—	764

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Dust From Material Movement:	—	—	—	—	—	—	0.30	0.30	—	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	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 Movement:	—	—	—	—	—	—	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

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

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

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 Equipment	0.83	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 Movement	—	—	—	—	—	—	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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	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 Movement	—	—	—	—	—	—	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	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 Movement:	—	—	—	—	—	—	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

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

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

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Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.10	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	0.09	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	0.02	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

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

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 Equipment	0.18	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 Equipment	0.01	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 Equipment	< 0.005	< 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

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

Vegetation	TOG	ROG	NOx	CO	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	CO	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

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

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

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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)

Vegetation	TOG	ROG	NOx	CO	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

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	CO	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

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

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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

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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/Backhoes	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/Backhoes	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
Linear, 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/Backhoes	Diesel	Average	4.00	8.00	84.0	0.37
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, 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/Backhoes	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/Backhoes	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/Backhoes	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

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Grading	Excavators	Diesel	Tier 4 Final	2.00	8.00	36.0	0.38
Grading	Tractors/Loaders/Backhoes	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
Grading	Rubber Tired Dozers	Diesel	Tier 4 Final	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	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, Grading & Excavation	Excavators	Diesel	Tier 4 Final	3.00	8.00	36.0	0.38
Linear, Grading & Excavation	Crawler Tractors	Diesel	Tier 4 Final	1.00	8.00	87.0	0.43
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	Signal Boards	Electric	Average	3.00	8.00	6.00	0.82
Linear, Grading & Excavation	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	4.00	8.00	84.0	0.37
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, Drainage, Utilities, & Sub-Grade	Scrapers	Diesel	Tier 4 Final	1.00	8.00	423	0.48
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	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	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	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/Backhoes	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 (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)
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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

Land Use	Area Paved (acres)	% Asphalt
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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

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres
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5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres
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5.18.1.2. Mitigated

Biomass Cover Type	Initial Acres	Final Acres
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5.18.2. Sequestration

5.18.2.1. Unmitigated

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

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
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.

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	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	—

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 ft)	Special Landscape Area (sq ft)	Population	Description
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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

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

Un/Mit.	TOG	ROG	NOx	CO	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

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

Year	TOG	ROG	NOx	CO	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

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

Year	TOG	ROG	NOx	CO	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

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

Un/Mit.	TOG	ROG	NOx	CO	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

% Reduced	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	53%	14%
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2.5. Operations Emissions by Sector, Unmitigated

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

Sector	TOG	ROG	NOx	CO	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
Stationary	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

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Stationary	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
Stationary	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
Stationary	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

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

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Sector	TOG	ROG	NOx	CO	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
Stationary	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
Stationary	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
Stationary	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
Stationary	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

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

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

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Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.69	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 Movement	—	—	—	—	—	—	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 Equipment	0.13	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 Movement	—	—	—	—	—	—	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 Equipment	0.02	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 Movement	—	—	—	—	—	—	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

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

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.47	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

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Dust From Material Movement:	—	—	—	—	—	—	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 Equipment	0.02	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 Movement:	—	—	—	—	—	—	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 Equipment	< 0.005	< 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 Movement:	—	—	—	—	—	—	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

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

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.44	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 Equipment	0.19	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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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Off-Road Equipment	0.04	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

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

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

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Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.55	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 Equipment	0.07	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 Equipment	0.01	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

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

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 Equipment	1.35	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 Equipment	1.35	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 Equipment	0.46	0.39	3.58	4.47	0.01	0.15	—	0.15	0.14	—	0.14	—	821	821	0.03	0.01	—	824

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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	0.08	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	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	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	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	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	0.00	—

3.6. Building Construction (2025) - Mitigated

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

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 Equipment	0.54	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 Equipment	0.54	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 Equipment	0.18	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 Equipment	0.03	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

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

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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Off-Road Equipment	0.95	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 Equipment	0.03	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 Equipment	0.01	< 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

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

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 Equipment	0.44	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 Equipment	0.01	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	—

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Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 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

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

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

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Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	0.13	0.88	1.14	< 0.005	0.03	—	0.03	0.03	—	0.03	—	134	134	0.01	< 0.005	—	134
Architectural 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 Equipment	0.01	< 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
Architectural 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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 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
Architectural 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	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	0.08	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	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	0.02	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	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	—

3.10. Architectural Coating (2025) - Mitigated

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

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 Equipment	0.15	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	—

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Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	< 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
Architectural 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 Equipment	< 0.005	< 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
Architectural 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	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	0.02	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	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

4.1. Mobile Emissions by Land Use

4.1.1. 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	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-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 Recreational	0.00	0.00	0.00	0.00	0.00	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-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	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

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Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-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 Recreational	0.00	0.00	0.00	0.00	0.00	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-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-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 Recreational	0.00	0.00	0.00	0.00	0.00	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-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	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

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

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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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-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 Recreational	0.00	0.00	0.00	0.00	0.00	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-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-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 Recreational	0.00	0.00	0.00	0.00	0.00	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-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-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 Recreational	0.00	0.00	0.00	0.00	0.00	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-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	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

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	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	11,798	11,798	1.91	0.23	—	11,914
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	494	494	0.08	0.01	—	499
User Defined Recreational	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00

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Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	12,291	12,291	1.99	0.24	—	12,413
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	11,798	11,798	1.91	0.23	—	11,914
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	494	494	0.08	0.01	—	499
User Defined Recreational	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	12,291	12,291	1.99	0.24	—	12,413
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-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 Recreational	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	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

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	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	11,798	11,798	1.91	0.23	—	11,914
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	494	494	0.08	0.01	—	499
User Defined Recreational	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	12,291	12,291	1.99	0.24	—	12,413
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	11,798	11,798	1.91	0.23	—	11,914
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	494	494	0.08	0.01	—	499
User Defined Recreational	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00

Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	12,291	12,291	1.99	0.24	—	12,413
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-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 Recreational	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	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

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	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-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

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User Defined Recreational	0.00	0.00	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-Asphalt Surfaces	0.00	0.00	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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-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 Recreational	0.00	0.00	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-Asphalt Surfaces	0.00	0.00	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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-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 Recreational	0.00	0.00	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-Asphalt Surfaces	0.00	0.00	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

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	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-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 Recreational	0.00	0.00	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-Asphalt Surfaces	0.00	0.00	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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-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 Recreational	0.00	0.00	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-Asphalt Surfaces	0.00	0.00	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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-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 Recreational	0.00	0.00	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-Asphalt Surfaces	0.00	0.00	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

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

Source	TOG	ROG	NOx	CO	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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape 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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape 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

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

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	18.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	2.55	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	18.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	2.55	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	21.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	3.39	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.47	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Landscape 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

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	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-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 Recreational	—	—	—	—	—	—	—	—	—	—	—	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
Total	—	—	—	—	—	—	—	—	—	—	—	382	735	1,117	39.3	0.95	—	2,382
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Refrigerated Warehouse-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 Recreational	—	—	—	—	—	—	—	—	—	—	—	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
Total	—	—	—	—	—	—	—	—	—	—	—	382	735	1,117	39.3	0.95	—	2,382
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-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 Recreational	—	—	—	—	—	—	—	—	—	—	—	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
Total	—	—	—	—	—	—	—	—	—	—	—	63.3	122	185	6.51	0.16	—	394

4.4.2. 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	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
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Highway 12 Logistics Center Construction Phase 2 + Ops Bldgs A, B/C Detailed Report, 8/29/2023

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-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 Recreational	—	—	—	—	—	—	—	—	—	—	—	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
Total	—	—	—	—	—	—	—	—	—	—	—	382	735	1,117	39.3	0.95	—	2,382
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-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 Recreational	—	—	—	—	—	—	—	—	—	—	—	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
Total	—	—	—	—	—	—	—	—	—	—	—	382	735	1,117	39.3	0.95	—	2,382
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Refrigerated	—	—	—	—	—	—	—	—	—	—	—	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 Recreational	—	—	—	—	—	—	—	—	—	—	—	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
Total	—	—	—	—	—	—	—	—	—	—	—	63.3	122	185	6.51	0.16	—	394

4.5. Waste Emissions by Land Use

4.5.1. 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	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-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 Recreational	—	—	—	—	—	—	—	—	—	—	—	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

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

Total	—	—	—	—	—	—	—	—	—	—	—	437	0.00	437	43.7	0.00	—	1,529
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-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 Recreational	—	—	—	—	—	—	—	—	—	—	—	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
Total	—	—	—	—	—	—	—	—	—	—	—	437	0.00	437	43.7	0.00	—	1,529
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-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 Recreational	—	—	—	—	—	—	—	—	—	—	—	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
Total	—	—	—	—	—	—	—	—	—	—	—	72.4	0.00	72.4	7.23	0.00	—	253

4.5.2. 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	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-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 Recreational	—	—	—	—	—	—	—	—	—	—	—	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
Total	—	—	—	—	—	—	—	—	—	—	—	437	0.00	437	43.7	0.00	—	1,529
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-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 Recreational	—	—	—	—	—	—	—	—	—	—	—	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

Total	—	—	—	—	—	—	—	—	—	—	—	437	0.00	437	43.7	0.00	—	1,529
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-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 Recreational	—	—	—	—	—	—	—	—	—	—	—	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
Total	—	—	—	—	—	—	—	—	—	—	—	72.4	0.00	72.4	7.23	0.00	—	253

4.6. Refrigerant Emissions by Land Use

4.6.1. 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	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	22,994	22,994
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	22,994	22,994

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	22,994	22,994
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	22,994	22,994
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3,807	3,807
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3,807	3,807

4.6.2. 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	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	10,700	10,700
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	10,700	10,700
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Refrigerated Warehouse Rail	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	10,700	10,700
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	10,700	10,700
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,771	1,771
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,771	1,771

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)

Equipment Type	TOG	ROG	NOx	CO	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	—	—
undefined	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	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	—	—
undefined	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	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	—	—
undefined	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	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

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

Equipment Type	TOG	ROG	NOx	CO	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	—	—
undefined	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	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	—	—
undefined	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	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	—	—
undefined	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	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

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

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	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
undefined	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	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
undefined	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Emergency Generator	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
undefined	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	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

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

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	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
undefined	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	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
undefined	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	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
undefined	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	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)

Equipment Type	TOG	ROG	NOx	CO	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)

Equipment Type	TOG	ROG	NOx	CO	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

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

Vegetation	TOG	ROG	NOx	CO	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	CO	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

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

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Remove	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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)

Vegetation	TOG	ROG	NOx	CO	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

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	CO	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

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

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

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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/Backhoes	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/Backhoes	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/Backhoes	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/Backhoes	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	—	—	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	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)

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 (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

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

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres
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5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres
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5.18.1.2. Mitigated

Biomass Cover Type	Initial Acres	Final Acres
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5.18.2. Sequestration

5.18.2.1. Unmitigated

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

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
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.

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	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.
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. 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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8. User Changes to Default Data

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 ft)	Special Landscape Area (sq ft)	Population	Description
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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

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

Un/Mit.	TOG	ROG	NOx	CO	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

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

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	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

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

Year	TOG	ROG	NOx	CO	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

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

Un/Mit.	TOG	ROG	NOx	CO	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
% Reduced	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	53%	13%

2.5. Operations Emissions by Sector, Unmitigated

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

Sector	TOG	ROG	NOx	CO	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
Stationary	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

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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
Stationary	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
Stationary	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
Stationary	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

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

Sector	TOG	ROG	NOx	CO	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
Stationary	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
Stationary	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
Stationary	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
Stationary	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

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

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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 Equipment	2.43	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 Movement:	—	—	—	—	—	—	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 Equipment	0.11	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 Movement:	—	—	—	—	—	—	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 Equipment	0.02	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 Movement:	—	—	—	—	—	—	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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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

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

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 Equipment	0.47	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

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Dust From Material Movement:	—	—	—	—	—	—	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 Equipment	0.02	0.02	0.11	1.24	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	230	230	0.01	< 0.005	—
Dust From Material Movement:	—	—	—	—	—	—	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 Equipment	< 0.005	< 0.005	0.02	0.23	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	38.1	38.1	< 0.005	< 0.005	—
Dust From Material Movement:	—	—	—	—	—	—	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

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

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 Equipment	1.35	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 Equipment	1.35	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	—

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Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.34	0.28	2.62	3.27	0.01	0.11	—	0.11	0.10	—	0.10	—	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 Equipment	0.06	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

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

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 Equipment	0.54	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 Equipment	0.54	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 Equipment	0.13	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 Equipment	0.02	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

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

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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Off-Road Equipment	1.28	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 Equipment	1.28	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 Equipment	0.28	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 Equipment	0.05	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

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

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 Equipment	0.52	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 Equipment	0.52	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	—

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Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	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 Equipment	0.02	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

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

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 Equipment	0.91	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 Equipment	0.03	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 Equipment	0.01	< 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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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

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

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 Equipment	0.43	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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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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 Equipment	0.02	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 Equipment	< 0.005	< 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	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	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	—	

3.9. Architectural Coating (2026) - Unmitigated

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

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 Equipment	0.15	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 Equipment	0.01	< 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 Equipment	< 0.005	< 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
Architectural 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

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

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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 Equipment	0.15	0.12	0.86	1.13	< 0.005	0.02	—	0.02	0.02	—	0.02	—	134	134	0.01	< 0.005	—	134
Architectural 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 Equipment	0.01	< 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
Architectural 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 Equipment	< 0.005	< 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
Architectural 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

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	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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Refrigerated Warehouse-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 Recreational	0.00	0.00	0.00	0.00	0.00	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-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-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 Recreational	0.00	0.00	0.00	0.00	0.00	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-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-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	0.00
User Defined Recreational	0.00	0.00	0.00	0.00	0.00	0.00	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-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	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

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	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-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 Recreational	0.00	0.00	0.00	0.00	0.00	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-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Refrigerated Warehouse-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 Recreational	0.00	0.00	0.00	0.00	0.00	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-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-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 Recreational	0.00	0.00	0.00	0.00	0.00	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-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	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

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	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
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Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	5,653	5,653	0.91	0.11	—	5,709
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	293	293	0.05	0.01	—	296
User Defined Recreational	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	5,946	5,946	0.96	0.12	—	6,005
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	5,653	5,653	0.91	0.11	—	5,709
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	293	293	0.05	0.01	—	296
User Defined Recreational	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	5,946	5,946	0.96	0.12	—	6,005
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Refrigerated	—	—	—	—	—	—	—	—	—	—	—	—	936	936	0.15	0.02	—	945
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	48.5	48.5	0.01	< 0.005	—	49.0
User Defined Recreational	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	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

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	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	5,653	5,653	0.91	0.11	—	5,709
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	293	293	0.05	0.01	—	296
User Defined Recreational	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	5,946	5,946	0.96	0.12	—	6,005

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	5,653	5,653	0.91	0.11	—	5,709
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	293	293	0.05	0.01	—	296
User Defined Recreational	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	5,946	5,946	0.96	0.12	—	6,005
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	936	936	0.15	0.02	—	945
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	48.5	48.5	0.01	< 0.005	—	49.0
User Defined Recreational	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	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

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

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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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-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 Recreational	0.00	0.00	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-Asphalt Surfaces	0.00	0.00	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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-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 Recreational	0.00	0.00	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-Asphalt Surfaces	0.00	0.00	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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-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 Recreational	0.00	0.00	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-Asphalt Surfaces	0.00	0.00	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

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	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-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 Recreational	0.00	0.00	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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Other Non-Asphalt Surfaces	0.00	0.00	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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-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 Recreational	0.00	0.00	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-Asphalt Surfaces	0.00	0.00	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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-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 Recreational	0.00	0.00	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-Asphalt Surfaces	0.00	0.00	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

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

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	8.90	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	1.23	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	8.90	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	1.23	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	10.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	1.62	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Architectural	—	0.22	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	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

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

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	8.90	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	1.23	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	8.90	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	1.23	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Total	—	10.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	1.62	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.22	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	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

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	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-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 Recreational	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

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Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-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 Recreational	—	—	—	—	—	—	—	—	—	—	—	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
Total	—	—	—	—	—	—	—	—	—	—	—	183	359	543	18.8	0.45	—	1,149
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-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 Recreational	—	—	—	—	—	—	—	—	—	—	—	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
Total	—	—	—	—	—	—	—	—	—	—	—	30.3	59.5	89.8	3.12	0.08	—	190

4.4.2. 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	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-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 Recreational	—	—	—	—	—	—	—	—	—	—	—	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
Total	—	—	—	—	—	—	—	—	—	—	—	183	359	543	18.8	0.45	—	1,149
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-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 Recreational	—	—	—	—	—	—	—	—	—	—	—	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
Total	—	—	—	—	—	—	—	—	—	—	—	183	359	543	18.8	0.45	—	1,149
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-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 Recreational	—	—	—	—	—	—	—	—	—	—	—	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
Total	—	—	—	—	—	—	—	—	—	—	—	30.3	59.5	89.8	3.12	0.08	—	190

4.5. Waste Emissions by Land Use

4.5.1. 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	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	209	0.00	209	20.9	0.00	—	733

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Parking Lot	—	—	—	—	—	—	—	—	—	—	—	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
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-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 Recreational	—	—	—	—	—	—	—	—	—	—	—	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
Total	—	—	—	—	—	—	—	—	—	—	—	209	0.00	209	20.9	0.00	—	733
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-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 Recreational	—	—	—	—	—	—	—	—	—	—	—	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
Total	—	—	—	—	—	—	—	—	—	—	—	34.7	0.00	34.7	3.47	0.00	—	121

4.5.2. 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	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-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 Recreational	—	—	—	—	—	—	—	—	—	—	—	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
Total	—	—	—	—	—	—	—	—	—	—	—	209	0.00	209	20.9	0.00	—	733
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Refrigerated Warehouse-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 Recreational	—	—	—	—	—	—	—	—	—	—	—	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
Total	—	—	—	—	—	—	—	—	—	—	—	209	0.00	209	20.9	0.00	—	733
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-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 Recreational	—	—	—	—	—	—	—	—	—	—	—	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
Total	—	—	—	—	—	—	—	—	—	—	—	34.7	0.00	34.7	3.47	0.00	—	121

4.6. Refrigerant Emissions by Land Use

4.6.1. 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	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	11,018	11,018
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	11,018	11,018
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	11,018	11,018
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	11,018	11,018
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,824	1,824
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,824	1,824

4.6.2. 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	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	5,127	5,127
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	5,127	5,127
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	5,127	5,127
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	5,127	5,127
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	849	849
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	849	849

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)

Equipment Type	TOG	ROG	NOx	CO	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	—	—
undefined	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	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	—	—
undefined	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	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	—	—
undefined	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	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

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

Equipment Type	TOG	ROG	NOx	CO	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	—	—
undefined	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	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	—	—
undefined	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	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	—	—
undefined	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	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

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

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	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
undefined	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	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	
undefined	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	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	
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	
undefined	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	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

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

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e	
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Emergency Generator	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	
undefined	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	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
undefined	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	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
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
undefined	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	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

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

Equipment Type	TOG	ROG	NOx	CO	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)

Equipment Type	TOG	ROG	NOx	CO	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

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

Vegetation	TOG	ROG	NOx	CO	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	CO	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

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

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

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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)

Vegetation	TOG	ROG	NOx	CO	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

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	CO	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

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

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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/Backhoes	Diesel	Average	2.00	8.00	84.0	0.37

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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/Backhoes	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/Backhoes	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/Backhoes	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	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
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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)
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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

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

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres
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5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres
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5.18.1.2. Mitigated

Biomass Cover Type	Initial Acres	Final Acres
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5.18.2. Sequestration

5.18.2.1. Unmitigated

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

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
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.

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	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).

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8. User Changes to Default Data

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	—	—	—	—
---------------	------	------	------	------	---	---	---	---

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

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

Un/Mit.	TOG	ROG	NOx	CO	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%	—	—	—	—	—	—	—

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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

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

Year	TOG	ROG	NOx	CO	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	CO	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

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

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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Off-Road Equipment	4.34	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	0.48	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	0.09	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	—	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	—

3.2. Site Preparation (2024) - Mitigated

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

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.50	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 Movement	—	—	—	—	—	—	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	—

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Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	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 Movement	—	—	—	—	—	—	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 Equipment	0.01	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 Movement	—	—	—	—	—	—	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	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

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

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 Equipment	4.19	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 Movement:	—	—	—	—	—	—	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 Equipment	4.19	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 Movement:	—	—	—	—	—	—	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	—

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Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.26	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 Movement	—	—	—	—	—	—	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 Equipment	0.23	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 Movement	—	—	—	—	—	—	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

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

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 Equipment	0.64	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 Movement	—	—	—	—	—	—	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 Equipment	0.64	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

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Dust From Material Movement:	—	—	—	—	—	—	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 Equipment	0.19	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 Movement:	—	—	—	—	—	—	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 Equipment	0.04	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 Movement:	—	—	—	—	—	—	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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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	—

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

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

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.63	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 Movement	—	—	—	—	—	—	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	—

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Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	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 Movement	—	—	—	—	—	—	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 Equipment	< 0.005	< 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 Movement	—	—	—	—	—	—	< 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	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	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

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

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	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 Movement	—	—	—	—	—	—	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 Equipment	< 0.005	< 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 Movement	—	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—

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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	< 0.005	< 0.005	0.01	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	3.73	3.73	< 0.005	< 0.005	—	3.74
Dust From Material Movement	—	—	—	—	—	—	< 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	—	
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	0.02	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	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	< 0.005	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	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	—

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

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

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	4.81	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 Movement	—	—	—	—	—	—	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 Equipment	0.67	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 Movement	—	—	—	—	—	—	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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	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 Movement:	—	—	—	—	—	—	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

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

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

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Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.76	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 Movement	—	—	—	—	—	—	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 Equipment	0.11	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 Movement	—	—	—	—	—	—	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 Equipment	0.02	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 Movement	—	—	—	—	—	—	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

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

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 Equipment	2.44	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

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Dust From Material Movement:	—	—	—	—	—	—	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 Equipment	0.30	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 Movement:	—	—	—	—	—	—	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 Equipment	0.05	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 Movement:	—	—	—	—	—	—	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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	—

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

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

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 Equipment	0.83	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 Movement	—	—	—	—	—	—	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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Reduced Footprint Hwy 12 Logistics Center - Phase 1 Const (Whole Site preparation + Offsite) Detailed Report, 8/18/2023

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10	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 Movement	—	—	—	—	—	—	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 Equipment	0.02	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 Movement	—	—	—	—	—	—	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

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

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 Equipment	1.10	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 Equipment	0.06	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 Equipment	0.01	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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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

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

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 Equipment	0.18	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

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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	0.01	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	0.00	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 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	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	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	< 0.005	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	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	—	1.84	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)

Vegetation	TOG	ROG	NOx	CO	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	CO	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

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

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Remove	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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)

Vegetation	TOG	ROG	NOx	CO	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

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	CO	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

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

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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/Backhoes	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/Backhoes	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

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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/Backhoes	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/Backhoes	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

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Linear, Paving	Signal Boards	Electric	Average	3.00	8.00	6.00	0.82
Linear, Paving	Tractors/Loaders/Backhoes	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/Backhoes	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/Backhoes	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

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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/Backhoes	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/Backhoes	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/Backhoes	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 (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)
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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
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5.18.1.2. Mitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres
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5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres
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5.18.1.2. Mitigated

Biomass Cover Type	Initial Acres	Final Acres
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5.18.2. Sequestration

5.18.2.1. Unmitigated

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

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
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.

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	Total developed area site prep and grading (51.83 acres), plus construction of offsite roadway and utility improvements in Phase 1 of construction.

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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8. User Changes to Default Data

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 ft)	Special Landscape Area (sq ft)	Population	Description
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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

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

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	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

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% 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

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

Year	TOG	ROG	NOx	CO	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	CO	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

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

Un/Mit.	TOG	ROG	NOx	CO	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

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

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
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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
Stationary	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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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
Stationary	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

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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
Stationary	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
Stationary	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

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

Sector	TOG	ROG	NOx	CO	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

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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
Stationary	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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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
Stationary	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.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	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

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

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 Equipment	2.69	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 Movement	—	—	—	—	—	—	2.65	2.65	—	0.29	0.29	—	—	—	—	—	—	—

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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	0.06	0.61	0.54	< 0.005	0.03	—	0.03	0.02	—	0.02	—	135	135	0.01	< 0.005	—	136	
Dust From Material Movement	—	—	—	—	—	—	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	0.00	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	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 Movement	—	—	—	—	—	—	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	0.06	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	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

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

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 Equipment	0.47	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 Movement	—	—	—	—	—	—	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 Equipment	0.01	0.01	0.07	0.73	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	135	135	0.01	< 0.005	—	136

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Dust From Material Movement:	—	—	—	—	—	—	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 Equipment	< 0.005	< 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 Movement:	—	—	—	—	—	—	< 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	—
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	0.00	—
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3.3. Building Construction (2024) - Unmitigated

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

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 Equipment	1.44	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 Equipment	1.44	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 Equipment	0.41	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 Equipment	0.07	0.06	0.58	0.68	< 0.005	0.03	—	0.03	0.02	—	0.02	—	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	—

3.4. Building Construction (2024) - Mitigated

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

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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Off-Road Equipment	0.55	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 Equipment	0.55	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 Equipment	0.16	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 Equipment	0.03	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

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

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.01	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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Reduced Footprint Hwy 12 Logistics Center - Construction + Ops Bldgs A & B Detailed Report, 8/30/2023

Off-Road Equipment	0.02	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 Equipment	< 0.005	< 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

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

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.47	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 Equipment	0.01	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 Equipment	< 0.005	< 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

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

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.17	0.14	0.91	1.15	< 0.005	0.03	—	0.03	0.03	—	0.03	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	—	440	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Reduced Footprint Hwy 12 Logistics Center - Construction + Ops Bldgs A & B Detailed Report, 8/30/2023

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 Equipment	< 0.005	< 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	
Architectural 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 Equipment	< 0.005	< 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	
Architectural 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

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

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.17	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 Equipment	< 0.005	< 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 Equipment	< 0.005	< 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
Architectural 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

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	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-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 Recreational	0.00	0.00	0.00	0.00	0.00	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-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-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 Recreational	0.00	0.00	0.00	0.00	0.00	0.00	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-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-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	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	0.00
User Defined Recreational	0.00	0.00	0.00	0.00	0.00	0.00	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-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	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	0.00

4.1.2. 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	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-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

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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	0.00
User Defined Recreational	0.00	0.00	0.00	0.00	0.00	0.00	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-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-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	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	0.00
User Defined Recreational	0.00	0.00	0.00	0.00	0.00	0.00	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-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-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	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	0.00

User Defined Recreational	0.00	0.00	0.00	0.00	0.00	0.00	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-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	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	0.00

4.2. Energy

4.2.1. Electricity Emissions By Land Use - 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	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e	
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	4,886	4,886	0.79	0.10	—	4,934	
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	275	275	0.04	0.01	—	277	
User Defined Recreational	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00	
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00	
Total	—	—	—	—	—	—	—	—	—	—	—	—	5,161	5,161	0.83	0.10	—	5,212	
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	4,886	4,886	0.79	0.10	—	4,934
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	275	275	0.04	0.01	—	277
User Defined Recreational	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	5,161	5,161	0.83	0.10	—	5,212
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	809	809	0.13	0.02	—	817
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	45.5	45.5	0.01	< 0.005	—	45.9
User Defined Recreational	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	854	854	0.14	0.02	—	863

4.2.2. Electricity Emissions By Land Use - 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	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
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Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	4,886	4,886	0.79	0.10	—	4,934
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	275	275	0.04	0.01	—	277
User Defined Recreational	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	5,161	5,161	0.83	0.10	—	5,212
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	4,886	4,886	0.79	0.10	—	4,934
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	275	275	0.04	0.01	—	277
User Defined Recreational	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	5,161	5,161	0.83	0.10	—	5,212
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Refrigerated	—	—	—	—	—	—	—	—	—	—	—	—	809	809	0.13	0.02	—	817
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	45.5	45.5	0.01	< 0.005	—	45.9
User Defined Recreational	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	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

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	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-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 Recreational	0.00	0.00	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-Asphalt Surfaces	0.00	0.00	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

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Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-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 Recreational	0.00	0.00	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-Asphalt Surfaces	0.00	0.00	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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-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 Recreational	0.00	0.00	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-Asphalt Surfaces	0.00	0.00	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

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

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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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-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 Recreational	0.00	0.00	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-Asphalt Surfaces	0.00	0.00	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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-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 Recreational	0.00	0.00	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-Asphalt Surfaces	0.00	0.00	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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-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 Recreational	0.00	0.00	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-Asphalt Surfaces	0.00	0.00	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

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

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	7.71	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	1.08	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	7.71	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	1.08	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	8.80	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	1.41	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	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

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

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	7.71	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Architectural	—	1.08	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	7.71	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	1.08	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	8.80	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	1.41	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	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

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

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

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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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-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 Recreational	—	—	—	—	—	—	—	—	—	—	—	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
Total	—	—	—	—	—	—	—	—	—	—	—	158	312	470	16.3	0.39	—	994
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-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 Recreational	—	—	—	—	—	—	—	—	—	—	—	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
Total	—	—	—	—	—	—	—	—	—	—	—	158	312	470	16.3	0.39	—	994

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-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 Recreational	—	—	—	—	—	—	—	—	—	—	—	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
Total	—	—	—	—	—	—	—	—	—	—	—	26.2	51.6	77.8	2.70	0.06	—	165

4.4.2. 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	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-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 Recreational	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

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Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	158	312	470	16.3	0.39	—	994
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-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 Recreational	—	—	—	—	—	—	—	—	—	—	—	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
Total	—	—	—	—	—	—	—	—	—	—	—	158	312	470	16.3	0.39	—	994
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-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 Recreational	—	—	—	—	—	—	—	—	—	—	—	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
Total	—	—	—	—	—	—	—	—	—	—	—	26.2	51.6	77.8	2.70	0.06	—	165

4.5. Waste Emissions by Land Use

4.5.1. 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	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-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 Recreational	—	—	—	—	—	—	—	—	—	—	—	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
Total	—	—	—	—	—	—	—	—	—	—	—	181	0.00	181	18.1	0.00	—	633
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-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 Recreational	—	—	—	—	—	—	—	—	—	—	—	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
Total	—	—	—	—	—	—	—	—	—	—	—	181	0.00	181	18.1	0.00	—	633
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-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 Recreational	—	—	—	—	—	—	—	—	—	—	—	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
Total	—	—	—	—	—	—	—	—	—	—	—	30.0	0.00	30.0	3.00	0.00	—	105

4.5.2. 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	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	181	0.00	181	18.1	0.00	—	633

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Parking Lot	—	—	—	—	—	—	—	—	—	—	—	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
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-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 Recreational	—	—	—	—	—	—	—	—	—	—	—	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
Total	—	—	—	—	—	—	—	—	—	—	—	181	0.00	181	18.1	0.00	—	633
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-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 Recreational	—	—	—	—	—	—	—	—	—	—	—	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
Total	—	—	—	—	—	—	—	—	—	—	—	30.0	0.00	30.0	3.00	0.00	—	105

4.6. Refrigerant Emissions by Land Use

4.6.1. 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	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	9,523	9,523
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	9,523	9,523
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	9,523	9,523
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	9,523	9,523
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Refrigerated	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,577	1,577
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,577	1,577

4.6.2. 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	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4,431	4,431
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4,431	4,431
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4,431	4,431
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4,431	4,431
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-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)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	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	—	—
undefined	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	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	—	—
undefined	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	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	—	—
undefined	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	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

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

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	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	—	—
undefined	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	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	—	—
undefined	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	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	—	—
undefined	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	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

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

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
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Reduced Footprint Hwy 12 Logistics Center - Construction + Ops Bldgs A & B Detailed Report, 8/30/2023

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	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
undefined	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	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
undefined	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	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
undefined	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	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

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

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	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
undefined	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	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
undefined	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	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
undefined	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	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)

Equipment Type	TOG	ROG	NOx	CO	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)

Equipment Type	TOG	ROG	NOx	CO	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

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

Vegetation	TOG	ROG	NOx	CO	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	CO	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

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

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Sequest	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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)

Vegetation	TOG	ROG	NOx	CO	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

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	CO	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

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

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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
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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/Backhoes	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/Backhoes	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/Backhoes	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/Backhoes	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 Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
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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	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
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Refrigerated Warehouse-No Rail	Cold storage	R-404A	3,922	7.50	7.50	7.50	25.0
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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)
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5.17. User Defined

Equipment Type	Fuel Type
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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

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres
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5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres
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5.18.1.2. Mitigated

Biomass Cover Type	Initial Acres	Final Acres
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5.18.2. Sequestration

5.18.2.1. Unmitigated

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

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
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
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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.

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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4.1.1. Unmitigated

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8. User Changes to Default Data

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 ft)	Special Landscape Area (sq ft)	Population	Description
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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

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

Un/Mit.	TOG	ROG	NOx	CO	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%	—	—	—	—	—	—	—

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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

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

Year	TOG	ROG	NOx	CO	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	CO	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

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

Un/Mit.	TOG	ROG	NOx	CO	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

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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

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

Sector	TOG	ROG	NOx	CO	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

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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
Stationary	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
Stationary	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

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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
Stationary	< 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
Stationary	< 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

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

Sector	TOG	ROG	NOx	CO	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

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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
Stationary	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
Stationary	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
Stationary	< 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
Stationary	< 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

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

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.80	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 Movement	—	—	—	—	—	—	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	—

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Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10	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 Movement	—	—	—	—	—	—	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 Equipment	0.02	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 Movement	—	—	—	—	—	—	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	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

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

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.64	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 Movement	—	—	—	—	—	—	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 Equipment	0.02	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 Movement	—	—	—	—	—	—	0.07	0.07	—	0.03	0.03	—	—	—	—	—	—	—	—

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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	< 0.005	< 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 Movement	—	—	—	—	—	—	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

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

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 Equipment	1.35	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 Equipment	1.35	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 Equipment	0.39	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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	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

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

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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Off-Road Equipment	0.54	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 Equipment	0.54	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 Equipment	0.15	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 Equipment	0.03	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	—	0.00	0.00	0.00	0.00	0.00	—

3.5. Paving (2025) - Unmitigated

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

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 Equipment	0.95	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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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Off-Road Equipment	0.02	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 Equipment	< 0.005	< 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

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

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 Equipment	0.44	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 Equipment	0.01	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 Equipment	< 0.005	< 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

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

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 Equipment	0.15	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	—

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Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 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
Architectural 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 Equipment	< 0.005	< 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
Architectural 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	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	< 0.005	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	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	—

3.8. Architectural Coating (2025) - Mitigated

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

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 Equipment	0.15	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 Equipment	< 0.005	< 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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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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	< 0.005	< 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	
Architectural 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

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	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-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 Recreational	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	2,440	2,440	0.39	0.05	—	2,464

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Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-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 Recreational	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	2,440	2,440	0.39	0.05	—	2,464
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	390	390	0.06	0.01	—	394
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	13.7	13.7	< 0.005	< 0.005	—	13.9
User Defined Recreational	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	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

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

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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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-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 Recreational	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	2,440	2,440	0.39	0.05	—	2,464
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-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 Recreational	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	2,440	2,440	0.39	0.05	—	2,464

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	390	390	0.06	0.01	—	394
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	13.7	13.7	< 0.005	< 0.005	—	13.9
User Defined Recreational	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	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

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	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-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 Recreational	0.00	0.00	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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Other Non-Asphalt Surfaces	0.00	0.00	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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-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 Recreational	0.00	0.00	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-Asphalt Surfaces	0.00	0.00	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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-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 Recreational	0.00	0.00	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-Asphalt Surfaces	0.00	0.00	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

4.2.4. Natural Gas Emissions By Land Use - 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	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-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 Recreational	0.00	0.00	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-Asphalt Surfaces	0.00	0.00	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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-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 Recreational	0.00	0.00	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-Asphalt Surfaces	0.00	0.00	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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-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 Recreational	0.00	0.00	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-Asphalt Surfaces	0.00	0.00	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

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

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	3.71	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.52	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Landscape Equipment	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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	3.71	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.52	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	4.23	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	0.68	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.09	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	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

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

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

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Consumer Products	—	3.71	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.52	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	3.71	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.52	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	4.23	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	0.68	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.09	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	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

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	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-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 Recreational	—	—	—	—	—	—	—	—	—	—	—	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
Total	—	—	—	—	—	—	—	—	—	—	—	76.4	150	226	7.86	0.19	—	479
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-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 Recreational	—	—	—	—	—	—	—	—	—	—	—	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
Total	—	—	—	—	—	—	—	—	—	—	—	76.4	150	226	7.86	0.19	—	479
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-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 Recreational	—	—	—	—	—	—	—	—	—	—	—	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
Total	—	—	—	—	—	—	—	—	—	—	—	12.6	24.8	37.4	1.30	0.03	—	79.3

4.4.2. 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	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	76.4	150	226	7.86	0.19	—	479

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Parking Lot	—	—	—	—	—	—	—	—	—	—	—	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
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-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 Recreational	—	—	—	—	—	—	—	—	—	—	—	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
Total	—	—	—	—	—	—	—	—	—	—	—	76.4	150	226	7.86	0.19	—	479
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-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 Recreational	—	—	—	—	—	—	—	—	—	—	—	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
Total	—	—	—	—	—	—	—	—	—	—	—	12.6	24.8	37.4	1.30	0.03	—	79.3

4.5. Waste Emissions by Land Use

4.5.1. 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	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-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 Recreational	—	—	—	—	—	—	—	—	—	—	—	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
Total	—	—	—	—	—	—	—	—	—	—	—	87.3	0.00	87.3	8.73	0.00	—	306
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Refrigerated Warehouse-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 Recreational	—	—	—	—	—	—	—	—	—	—	—	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
Total	—	—	—	—	—	—	—	—	—	—	—	87.3	0.00	87.3	8.73	0.00	—	306
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-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 Recreational	—	—	—	—	—	—	—	—	—	—	—	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
Total	—	—	—	—	—	—	—	—	—	—	—	14.5	0.00	14.5	1.45	0.00	—	50.6

4.5.2. 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	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
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Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-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 Recreational	—	—	—	—	—	—	—	—	—	—	—	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
Total	—	—	—	—	—	—	—	—	—	—	—	87.3	0.00	87.3	8.73	0.00	—	306
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-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 Recreational	—	—	—	—	—	—	—	—	—	—	—	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
Total	—	—	—	—	—	—	—	—	—	—	—	87.3	0.00	87.3	8.73	0.00	—	306
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Refrigerated	—	—	—	—	—	—	—	—	—	—	—	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 Recreational	—	—	—	—	—	—	—	—	—	—	—	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
Total	—	—	—	—	—	—	—	—	—	—	—	14.5	0.00	14.5	1.45	0.00	—	50.6

4.6. Refrigerant Emissions by Land Use

4.6.1. 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	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4,594	4,594
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4,594	4,594
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4,594	4,594

Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4,594	4,594
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	761	761
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	761	761

4.6.2. 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	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2,138	2,138
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2,138	2,138
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2,138	2,138
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2,138	2,138
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Refrigerated Warehouse Rail	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	354	354
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	354	354

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)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	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	—	—
undefined	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	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	—	—
undefined	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	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	—	—
undefined	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	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)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	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	—	—
undefined	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	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	—	—
undefined	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	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	—	—
undefined	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	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

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

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

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Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	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
undefined	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	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
undefined	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	< 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
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

undefined	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	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

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

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	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
undefined	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	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
undefined	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	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	< 0.005	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
undefined	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	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)

Equipment Type	TOG	ROG	NOx	CO	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)

Equipment Type	TOG	ROG	NOx	CO	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

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

Vegetation	TOG	ROG	NOx	CO	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	CO	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

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

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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)

Vegetation	TOG	ROG	NOx	CO	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

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	CO	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

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

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Remove	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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/Backhoes	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/Backhoes	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/Backhoes	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/Backhoes	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	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 (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

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

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres
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5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres
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5.18.1.2. Mitigated

Biomass Cover Type	Initial Acres	Final Acres
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5.18.2. Sequestration

5.18.2.1. Unmitigated

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

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
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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

Reduced Footprint Hwy 12 Logistics Center - Construction + Ops Bldg C Detailed Report, 8/30/2023

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.

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.

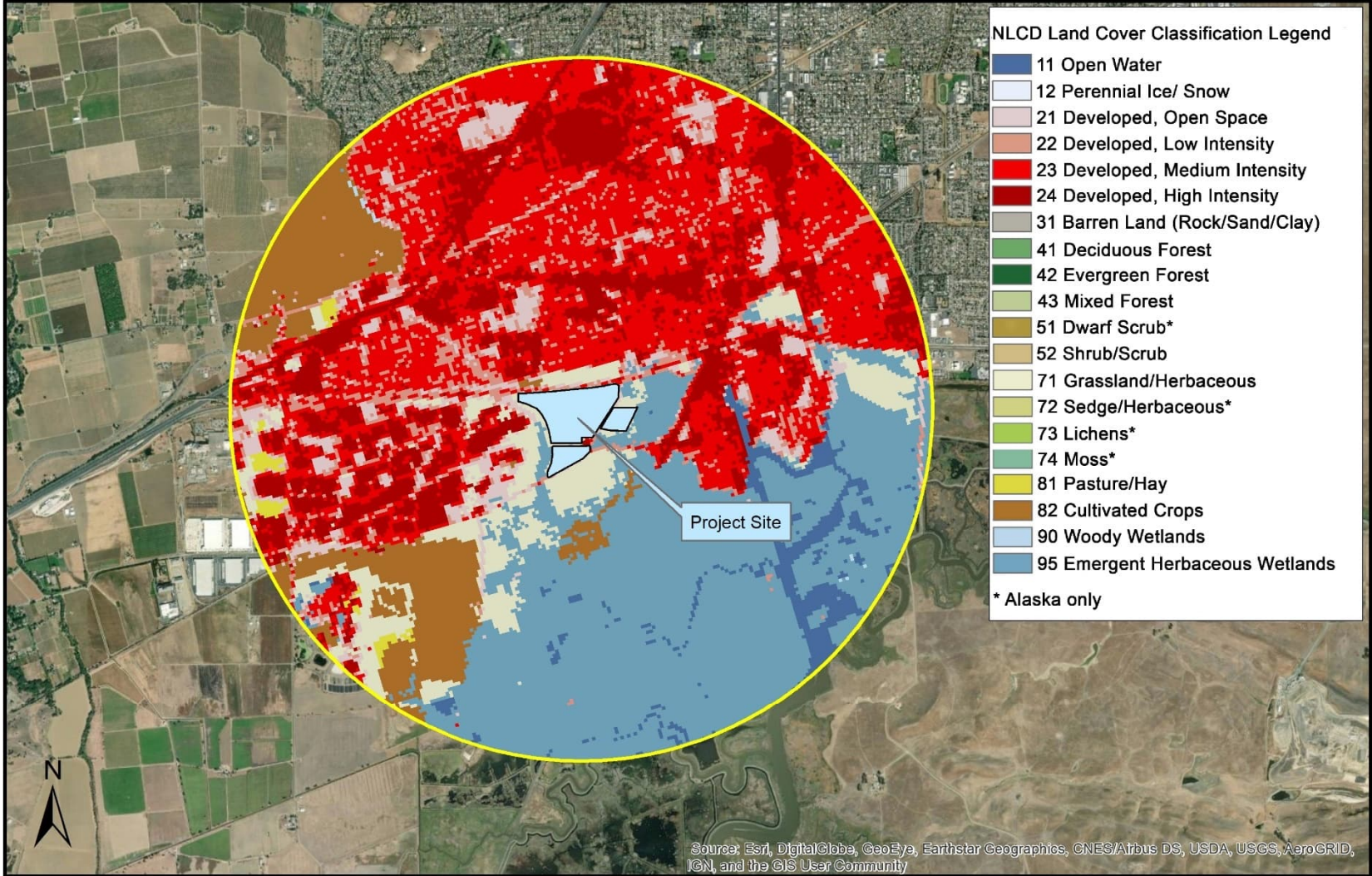
8. User Changes to Default Data

Screen	Justification
Land Use	Reduced Footprint 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



Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community



3km Radius
Project Footprint

Land Cover within 3 km of Proposed Project Site



Sources: Esri, HERE, Garmin, SCS Intermap,

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
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	Total:	31415
	Urban	42%

Attachment C Health Risk Assessment and PM_{2.5} Modeling Inputs (Project)

Construction Road Segments (Cars) - UNMITIGATED

Road	Road Width (ft)	Road Width (m)	Base Elevation varies - AERMAP	SourceID	Line Volume Src Type	Release Height from (m)	Initial Lateral Dimension (m)	Initial Vertical Dimension (m)	# Volume Sources	Total Length (m)	g/s per vol (1 g/s)	Route	Multiplier (1-one-way, 2-two-way)	Route	Notes	2024		2025		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)	Total PM2.5 (g/s/vol)	ROC (ton/yr)	ROC (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	CON2	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 W 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 W 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	6.26880E-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	r2	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	r2	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 - AERMAP	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	5.02047E-07	1.35652E-06	6.26084E-07	7.09E-04	1.06E-03	6.64E-04

Beginning 2024	
Route Length	meters miles
Inbound East	4061.9 2.517734
Outbound West	4043.2 2.512258
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 4.376413 r3
Avg.	4.376413
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

Construction Road Segments (Trucks) - UNMITIGATED

Road	Road Width (ft)	Road Width (m)	Base Elevation	SourceID	Line 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)	Route	Multiplier (1-one-way, 2-two-way)	Route	Notes	2024		2025		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)	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	Adjacent	3.40	varies - based on plume	3.16	19	393.8	5.2633E-02	Inbound and Outbound	2	r3	All Constr	1.08E-01	6.94E-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 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 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 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%	5.59E-02	3.28E-01	9.88E-02	6.08E-01	6.53E-02	4.02E-01	2.48467E-07	7.88932E-07	3.65075E-07			
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%	5.65E-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 Chabourne 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	r2	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 Chabourne 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	r2	60%	1.10E-01	6.47E-01	1.95E-01	1.20E+00	1.29E-01	7.92E-01	3.07120E-07	9.75324E-07	4.51327E-07			
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	r2	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 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%	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 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%	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 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%	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			

Route Length	Beginning 2024	
	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	3.72283
Hay 12 Route	8095.1	5.030062
Penn Ave	7043.25	4.376473
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

Unmitigated

CONSTRUCTION YEAR 2024

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	Penn Ave Southbound North from SR 12 and South of W Texas St	SR 12 Westbound West of Chadbourne Rd and East of Beck Ave	SR 12 Eastbound West of Chadbourne Rd and East of Beck Ave	SR 12 Westbound West of Beck Ave and East of Penn Ave	SR 12 Eastbound West of Beck Ave and East of Penn 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%	6.71E-03	8.52E-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	3.96E-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	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

Ib/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	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	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	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	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	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	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	2.84E-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	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	1.06E-05	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	2.00E-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

Unmitigated

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	Penn Ave Southbound North from SR 12 and South of W Texas St	SR 12 Westbound West of Chadbourne Rd and East of Beck Ave	SR 12 Eastbound West of Chadbourne Rd and East of Beck Ave	SR 12 Westbound West of Beck Ave and East of Penn Ave	SR 12 Eastbound West of Beck Ave and East of Penn 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	5.23E-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	3.33E-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	3.38E-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	2.54E-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	1.17E-06	1.04E-06	1.04E-06	6.75E-07	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	5.95E-06	5.97E-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	1.33E-06	1.33E-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	2.53E-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	3.85E-06	3.87E-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	4.82E-08	4.83E-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	7.37E-06	7.40E-06
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	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

CONSTRUCTION YEAR 2026

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	Penn Ave Southbound North from SR 12 and South of W Texas St	SR 12 Westbound West of Chadbourne Rd and East of Beck Ave	SR 12 Eastbound West of Chadbourne Rd and East of Beck Ave	SR 12 Westbound West of Beck Ave and East of Penn Ave	SR 12 Eastbound West of Beck Ave and East of Penn 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%	6.29E-03	7.99E-03	3.88E-03	3.26E-03	3.27E-03	6.40E-03	6.41E-03	5.71E-03	5.73E-03	3.71E-03	3.72E-03
Acrolein	0.13%	2.92E-03	3.71E-03	1.80E-03	1.51E-03	1.52E-03	2.97E-03	2.98E-03	2.65E-03	2.66E-03	1.72E-03	1.73E-03
Benzene	2.47%	5.55E-02	7.04E-02	3.42E-02	2.87E-02	2.88E-02	5.64E-02	5.66E-02	5.04E-02	5.06E-02	3.27E-02	3.28E-02
1,3-Butadiene	0.55%	1.23E-02	1.57E-02	7.63E-03	6.40E-03	6.41E-03	1.26E-02	1.26E-02	1.12E-02	1.13E-02	7.29E-03	7.31E-03
Ethylbenzene	1.05%	2.36E-02	2.99E-02	1.46E-02	1.22E-02	1.22E-02	2.40E-02	2.41E-02	2.14E-02	2.15E-02	1.39E-02	1.40E-02
Formaldehyde	1.58%	3.55E-02	4.51E-02	2.19E-02	1.84E-02	1.84E-02	3.61E-02	3.62E-02	3.22E-02	3.23E-02	2.09E-02	2.10E-02
Hexane	1.60%	3.59E-02	4.56E-02	2.22E-02	1.86E-02	1.87E-02	3.66E-02	3.67E-02	3.26E-02	3.27E-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	2.74E-03	2.75E-03	2.45E-03	2.46E-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	4.09E-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	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	6.99E-02	7.01E-02	6.24E-02	6.26E-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	2.74E-03	2.75E-03	2.45E-03	2.46E-03	1.59E-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	1.32E-01	1.18E-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

Ib/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	6.54E-07	4.23E-07	4.25E-07
Acrolein	0.13%	3.33E-07	4.23E-07	2.06E-07	1.73E-07	1.73E-07	3.39E-07	3.40E-07	3.03E-07	3.04E-07	1.97E-07	1.97E-07
Benzene	2.47%	6.33E-06	8.04E-06	3.91E-06	3.28E-06	3.29E-06	6.44E-06	6.46E-06	5.75E-06	5.77E-06	3.74E-06	3.75E-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	1.29E-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	2.74E-06	2.75E-06	2.45E-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	3.69E-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	2.80E-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	1.30E-07	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	7.98E-06	8.00E-06	7.13E-06	7.15E-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	2.80E-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)

SRC ID	SRC No.	CAS	Pollutant	2024	
				lb/yr	lb/hr
DEMO	1	9901	DieselExhPM	3.43E+02	0.00E+00
CONST_PHASE1	2	9901	DieselExhPM	3.71E+01	0.00E+00
CONST_OFFSITE	3	9901	DieselExhPM	1.89E+02	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	6.76E-06
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	78933	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	108883	Toluene	1.38E-01	1.58E-05
PEN1	4	1330207	Xylenes	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	71432	Benzene	7.52E-02	8.58E-06
COR2	5	106990	1,3-Butadiene	1.67E-02	1.91E-06
COR2	5	100414	Ethylbenzene	3.20E-02	3.65E-06

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	91203	Naphthalene	1.52E-03	1.74E-07
COR2	5	115071	Propylene	9.31E-02	1.06E-05
COR2	5	100425	Styrene	3.65E-03	4.17E-07
COR2	5	108883	Toluene	1.75E-01	2.00E-05
COR2	5	1330207	Xylenes	1.46E-01	1.67E-05
PEN2	6	75070	Acetaldehyde	4.14E-03	4.73E-07
PEN2	6	107028	Acrolein	1.92E-03	2.20E-07
PEN2	6	71432	Benzene	3.65E-02	4.17E-06
PEN2	6	106990	1,3-Butadiene	8.14E-03	9.29E-07
PEN2	6	100414	Ethylbenzene	1.55E-02	1.77E-06
PEN2	6	50000	Formaldehyde	2.34E-02	2.67E-06
PEN2	6	110543	Hexane	2.37E-02	2.70E-06
PEN2	6	67561	Methanol	1.78E-03	2.03E-07
PEN2	6	78933	Methyl Ethyl Ketone	2.96E-04	3.38E-08
PEN2	6	91203	Naphthalene	7.40E-04	8.45E-08
PEN2	6	115071	Propylene	4.53E-02	5.17E-06
PEN2	6	100425	Styrene	1.78E-03	2.03E-07
PEN2	6	108883	Toluene	8.52E-02	9.73E-06
PEN2	6	1330207	Xylenes	7.10E-02	8.11E-06
PEN3	7	75070	Acetaldehyde	3.47E-03	3.97E-07
PEN3	7	107028	Acrolein	1.61E-03	1.84E-07
PEN3	7	71432	Benzene	3.06E-02	3.50E-06
PEN3	7	106990	1,3-Butadiene	6.82E-03	7.79E-07
PEN3	7	100414	Ethylbenzene	1.30E-02	1.49E-06
PEN3	7	50000	Formaldehyde	1.96E-02	2.24E-06
PEN3	7	110543	Hexane	1.99E-02	2.27E-06
PEN3	7	67561	Methanol	1.49E-03	1.70E-07
PEN3	7	78933	Methyl Ethyl Ketone	2.48E-04	2.83E-08
PEN3	7	91203	Naphthalene	6.20E-04	7.08E-08
PEN3	7	115071	Propylene	3.80E-02	4.33E-06
PEN3	7	100425	Styrene	1.49E-03	1.70E-07
PEN3	7	108883	Toluene	7.15E-02	8.16E-06
PEN3	7	1330207	Xylenes	5.96E-02	6.80E-06
PEN4	8	75070	Acetaldehyde	3.48E-03	3.98E-07
PEN4	8	107028	Acrolein	1.62E-03	1.85E-07
PEN4	8	71432	Benzene	3.07E-02	3.51E-06
PEN4	8	106990	1,3-Butadiene	6.85E-03	7.81E-07
PEN4	8	100414	Ethylbenzene	1.31E-02	1.49E-06
PEN4	8	50000	Formaldehyde	1.97E-02	2.24E-06
PEN4	8	110543	Hexane	1.99E-02	2.27E-06
PEN4	8	67561	Methanol	1.49E-03	1.70E-07
PEN4	8	78933	Methyl Ethyl Ketone	2.49E-04	2.84E-08
PEN4	8	91203	Naphthalene	6.22E-04	7.10E-08

PEN4	8	115071	Propylene	3.81E-02	4.35E-06
PEN4	8	100425	Styrene	1.49E-03	1.70E-07
PEN4	8	108883	Toluene	7.17E-02	8.18E-06
PEN4	8	1330207	Xylenes	5.97E-02	6.82E-06
HY03	9	75070	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	106990	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	91203	Naphthalene	1.22E-03	1.40E-07
HY04	10	115071	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	Xylenes	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	71432	Benzene	5.38E-02	6.14E-06
HY05	11	106990	1,3-Butadiene	1.20E-02	1.37E-06
HY05	11	100414	Ethylbenzene	2.29E-02	2.61E-06
HY05	11	50000	Formaldehyde	3.44E-02	3.93E-06
HY05	11	110543	Hexane	3.48E-02	3.98E-06
HY05	11	67561	Methanol	2.61E-03	2.98E-07
HY05	11	78933	Methyl Ethyl Ketone	4.35E-04	4.97E-08
HY05	11	91203	Naphthalene	1.09E-03	1.24E-07
HY05	11	115071	Propylene	6.66E-02	7.61E-06
HY05	11	100425	Styrene	2.61E-03	2.98E-07
HY05	11	108883	Toluene	1.25E-01	1.43E-05
HY05	11	1330207	Xylenes	1.05E-01	1.19E-05
HY06	12	75070	Acetaldehyde	6.12E-03	6.98E-07

HY06	12	107028	Acrolein	2.84E-03	3.24E-07
HY06	12	71432	Benzene	5.39E-02	6.16E-06
HY06	12	106990	1,3-Butadiene	1.20E-02	1.37E-06
HY06	12	100414	Ethylbenzene	2.29E-02	2.62E-06
HY06	12	50000	Formaldehyde	3.45E-02	3.94E-06
HY06	12	110543	Hexane	3.49E-02	3.99E-06
HY06	12	67561	Methanol	2.62E-03	2.99E-07
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-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	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
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	100425	Styrene	1.70E-03	1.94E-07
PEN6	14	108883	Toluene	8.17E-02	9.33E-06
PEN6	14	1330207	Xylenes	6.81E-02	7.77E-06

HARP2 Emission Inputs (Unmitigated)

SRC ID	SRC No.	CAS	Pollutant	2025	
				lb/yr	lb/hr
CONST_PHASE1	2	9901	DieselExhPM	5.38E+01	0.00E+00
PEN1	4	9901	DieselExhPM	1.87E-01	0.00E+00
COR2	5	9901	DieselExhPM	2.37E-01	0.00E+00
PEN2	6	9901	DieselExhPM	1.15E-01	0.00E+00
PEN3	7	9901	DieselExhPM	9.66E-02	0.00E+00
PEN4	8	9901	DieselExhPM	9.69E-02	0.00E+00
HY03	9	9901	DieselExhPM	1.90E-01	0.00E+00
HY04	10	9901	DieselExhPM	1.90E-01	0.00E+00
HY05	11	9901	DieselExhPM	1.70E-01	0.00E+00
HY06	12	9901	DieselExhPM	1.70E-01	0.00E+00
PEN5	13	9901	DieselExhPM	1.10E-01	0.00E+00
PEN6	14	9901	DieselExhPM	1.10E-01	0.00E+00
PEN1_TRK	15	9901	DieselExhPM	1.91E-01	0.00E+00
COR2_TRK	16	9901	DieselExhPM	2.42E-01	0.00E+00
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	50000	Formaldehyde	5.65E-02	6.45E-06
PEN1	4	110543	Hexane	5.72E-02	6.53E-06
PEN1	4	67561	Methanol	4.29E-03	4.90E-07
PEN1	4	78933	Methyl Ethyl Ketone	7.15E-04	8.17E-08
PEN1	4	91203	Naphthalene	1.79E-03	2.04E-07
PEN1	4	115071	Propylene	1.09E-01	1.25E-05
PEN1	4	100425	Styrene	4.29E-03	4.90E-07
PEN1	4	108883	Toluene	2.06E-01	2.35E-05
PEN1	4	1330207	Xylenes	1.72E-01	1.96E-05
COR2	5	75070	Acetaldehyde	1.27E-02	1.45E-06
COR2	5	107028	Acrolein	5.91E-03	6.74E-07
COR2	5	71432	Benzene	1.12E-01	1.28E-05
COR2	5	106990	1,3-Butadiene	2.50E-02	2.85E-06
COR2	5	100414	Ethylbenzene	4.77E-02	5.45E-06
COR2	5	50000	Formaldehyde	7.18E-02	8.20E-06
COR2	5	110543	Hexane	7.27E-02	8.30E-06

COR2	5	67561	Methanol	5.45E-03	6.22E-07
COR2	5	78933	Methyl Ethyl Ketone	9.09E-04	1.04E-07
COR2	5	91203	Naphthalene	2.27E-03	2.59E-07
COR2	5	115071	Propylene	1.39E-01	1.59E-05
COR2	5	100425	Styrene	5.45E-03	6.22E-07
COR2	5	108883	Toluene	2.62E-01	2.99E-05
COR2	5	1330207	Xylenes	2.18E-01	2.49E-05
PEN2	6	75070	Acetaldehyde	6.19E-03	7.06E-07
PEN2	6	107028	Acrolein	2.87E-03	3.28E-07
PEN2	6	71432	Benzene	5.46E-02	6.23E-06
PEN2	6	106990	1,3-Butadiene	1.22E-02	1.39E-06
PEN2	6	100414	Ethylbenzene	2.32E-02	2.65E-06
PEN2	6	50000	Formaldehyde	3.49E-02	3.98E-06
PEN2	6	110543	Hexane	3.53E-02	4.04E-06
PEN2	6	67561	Methanol	2.65E-03	3.03E-07
PEN2	6	78933	Methyl Ethyl Ketone	4.42E-04	5.04E-08
PEN2	6	91203	Naphthalene	1.10E-03	1.26E-07
PEN2	6	115071	Propylene	6.76E-02	7.72E-06
PEN2	6	100425	Styrene	2.65E-03	3.03E-07
PEN2	6	108883	Toluene	1.27E-01	1.45E-05
PEN2	6	1330207	Xylenes	1.06E-01	1.21E-05
PEN3	7	75070	Acetaldehyde	5.19E-03	5.92E-07
PEN3	7	107028	Acrolein	2.41E-03	2.75E-07
PEN3	7	71432	Benzene	4.58E-02	5.22E-06
PEN3	7	106990	1,3-Butadiene	1.02E-02	1.16E-06
PEN3	7	100414	Ethylbenzene	1.95E-02	2.22E-06
PEN3	7	50000	Formaldehyde	2.93E-02	3.34E-06
PEN3	7	110543	Hexane	2.96E-02	3.38E-06
PEN3	7	67561	Methanol	2.22E-03	2.54E-07
PEN3	7	78933	Methyl Ethyl Ketone	3.71E-04	4.23E-08
PEN3	7	91203	Naphthalene	9.26E-04	1.06E-07
PEN3	7	115071	Propylene	5.67E-02	6.47E-06
PEN3	7	100425	Styrene	2.22E-03	2.54E-07
PEN3	7	108883	Toluene	1.07E-01	1.22E-05
PEN3	7	1330207	Xylenes	8.89E-02	1.02E-05
PEN4	8	75070	Acetaldehyde	5.20E-03	5.94E-07
PEN4	8	107028	Acrolein	2.42E-03	2.76E-07
PEN4	8	71432	Benzene	4.59E-02	5.24E-06
PEN4	8	106990	1,3-Butadiene	1.02E-02	1.17E-06
PEN4	8	100414	Ethylbenzene	1.95E-02	2.23E-06
PEN4	8	50000	Formaldehyde	2.94E-02	3.35E-06
PEN4	8	110543	Hexane	2.97E-02	3.39E-06
PEN4	8	67561	Methanol	2.23E-03	2.55E-07
PEN4	8	78933	Methyl Ethyl Ketone	3.72E-04	4.24E-08
PEN4	8	91203	Naphthalene	9.29E-04	1.06E-07
PEN4	8	115071	Propylene	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	107028	Acrolein	4.73E-03	5.40E-07
HY03	9	71432	Benzene	8.99E-02	1.03E-05
HY03	9	106990	1,3-Butadiene	2.00E-02	2.29E-06
HY03	9	100414	Ethylbenzene	3.82E-02	4.36E-06
HY03	9	50000	Formaldehyde	5.75E-02	6.56E-06
HY03	9	110543	Hexane	5.82E-02	6.65E-06
HY03	9	67561	Methanol	4.37E-03	4.99E-07
HY03	9	78933	Methyl Ethyl Ketone	7.28E-04	8.31E-08
HY03	9	91203	Naphthalene	1.82E-03	2.08E-07
HY03	9	115071	Propylene	1.11E-01	1.27E-05
HY03	9	100425	Styrene	4.37E-03	4.99E-07
HY03	9	108883	Toluene	2.10E-01	2.39E-05
HY03	9	1330207	Xylenes	1.75E-01	1.99E-05
HY04	10	75070	Acetaldehyde	1.02E-02	1.17E-06
HY04	10	107028	Acrolein	4.75E-03	5.42E-07
HY04	10	71432	Benzene	9.02E-02	1.03E-05
HY04	10	106990	1,3-Butadiene	2.01E-02	2.29E-06
HY04	10	100414	Ethylbenzene	3.83E-02	4.38E-06
HY04	10	50000	Formaldehyde	5.77E-02	6.58E-06
HY04	10	110543	Hexane	5.84E-02	6.67E-06
HY04	10	67561	Methanol	4.38E-03	5.00E-07
HY04	10	78933	Methyl Ethyl Ketone	7.30E-04	8.33E-08
HY04	10	91203	Naphthalene	1.83E-03	2.08E-07
HY04	10	115071	Propylene	1.12E-01	1.28E-05
HY04	10	100425	Styrene	4.38E-03	5.00E-07
HY04	10	108883	Toluene	2.10E-01	2.40E-05
HY04	10	1330207	Xylenes	1.75E-01	2.00E-05
HY05	11	75070	Acetaldehyde	9.10E-03	1.04E-06
HY05	11	107028	Acrolein	4.23E-03	4.82E-07
HY05	11	71432	Benzene	8.03E-02	9.17E-06
HY05	11	106990	1,3-Butadiene	1.79E-02	2.04E-06
HY05	11	100414	Ethylbenzene	3.41E-02	3.90E-06
HY05	11	50000	Formaldehyde	5.14E-02	5.86E-06
HY05	11	110543	Hexane	5.20E-02	5.94E-06
HY05	11	67561	Methanol	3.90E-03	4.45E-07
HY05	11	78933	Methyl Ethyl Ketone	6.50E-04	7.42E-08
HY05	11	91203	Naphthalene	1.63E-03	1.86E-07
HY05	11	115071	Propylene	9.95E-02	1.14E-05
HY05	11	100425	Styrene	3.90E-03	4.45E-07
HY05	11	108883	Toluene	1.87E-01	2.14E-05
HY05	11	1330207	Xylenes	1.56E-01	1.78E-05
HY06	12	75070	Acetaldehyde	9.13E-03	1.04E-06
HY06	12	107028	Acrolein	4.24E-03	4.84E-07
HY06	12	71432	Benzene	8.05E-02	9.19E-06

HY06	12	106990	1,3-Butadiene	1.79E-02	2.05E-06
HY06	12	100414	Ethylbenzene	3.42E-02	3.91E-06
HY06	12	50000	Formaldehyde	5.15E-02	5.88E-06
HY06	12	110543	Hexane	5.22E-02	5.96E-06
HY06	12	67561	Methanol	3.91E-03	4.47E-07
HY06	12	78933	Methyl Ethyl Ketone	6.52E-04	7.45E-08
HY06	12	91203	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	91203	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	75070	Acetaldehyde	5.93E-03	6.77E-07
PEN6	14	107028	Acrolein	2.75E-03	3.14E-07
PEN6	14	71432	Benzene	5.23E-02	5.97E-06
PEN6	14	106990	1,3-Butadiene	1.16E-02	1.33E-06
PEN6	14	100414	Ethylbenzene	2.22E-02	2.54E-06
PEN6	14	50000	Formaldehyde	3.35E-02	3.82E-06
PEN6	14	110543	Hexane	3.39E-02	3.87E-06
PEN6	14	67561	Methanol	2.54E-03	2.90E-07
PEN6	14	78933	Methyl Ethyl Ketone	4.23E-04	4.83E-08
PEN6	14	91203	Naphthalene	1.06E-03	1.21E-07
PEN6	14	115071	Propylene	6.48E-02	7.40E-06
PEN6	14	100425	Styrene	2.54E-03	2.90E-07
PEN6	14	108883	Toluene	1.22E-01	1.39E-05
PEN6	14	1330207	Xylenes	1.02E-01	1.16E-05

HARP2 Emission Inputs (Unmitigated)

SRC ID	SRC No.	CAS	Pollutant	2026	
				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	9901	DieselExhPM	1.53E-01	0.00E+00
PEN2	4	9901	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	9901	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	75070	Acetaldehyde	7.99E-03	9.12E-07
COR2	3	107028	Acrolein	3.71E-03	4.23E-07
COR2	3	71432	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

COR2	3	67561	Methanol	3.42E-03	3.91E-07
COR2	3	78933	Methyl Ethyl Ketone	5.70E-04	6.51E-08
COR2	3	91203	Naphthalene	1.43E-03	1.63E-07
COR2	3	115071	Propylene	8.73E-02	9.96E-06
COR2	3	100425	Styrene	3.42E-03	3.91E-07
COR2	3	108883	Toluene	1.64E-01	1.88E-05
COR2	3	1330207	Xylenes	1.37E-01	1.56E-05
PEN2	4	75070	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	91203	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	110543	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	50000	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	78933	Methyl Ethyl Ketone	2.33E-04	2.66E-08
PEN4	6	91203	Naphthalene	5.83E-04	6.66E-08
PEN4	6	115071	Propylene	3.57E-02	4.07E-06
PEN4	6	100425	Styrene	1.40E-03	1.60E-07

PEN4	6	108883	Toluene	6.72E-02	7.67E-06
PEN4	6	1330207	Xylenes	5.60E-02	6.39E-06
HY03	7	75070	Acetaldehyde	6.40E-03	7.30E-07
HY03	7	107028	Acrolein	2.97E-03	3.39E-07
HY03	7	71432	Benzene	5.64E-02	6.44E-06
HY03	7	106990	1,3-Butadiene	1.26E-02	1.43E-06
HY03	7	100414	Ethylbenzene	2.40E-02	2.74E-06
HY03	7	50000	Formaldehyde	3.61E-02	4.12E-06
HY03	7	110543	Hexane	3.66E-02	4.17E-06
HY03	7	67561	Methanol	2.74E-03	3.13E-07
HY03	7	78933	Methyl Ethyl Ketone	4.57E-04	5.22E-08
HY03	7	91203	Naphthalene	1.14E-03	1.30E-07
HY03	7	115071	Propylene	6.99E-02	7.98E-06
HY03	7	100425	Styrene	2.74E-03	3.13E-07
HY03	7	108883	Toluene	1.32E-01	1.50E-05
HY03	7	1330207	Xylenes	1.10E-01	1.25E-05
HY04	8	75070	Acetaldehyde	6.41E-03	7.32E-07
HY04	8	107028	Acrolein	2.98E-03	3.40E-07
HY04	8	71432	Benzene	5.66E-02	6.46E-06
HY04	8	106990	1,3-Butadiene	1.26E-02	1.44E-06
HY04	8	100414	Ethylbenzene	2.41E-02	2.75E-06
HY04	8	50000	Formaldehyde	3.62E-02	4.13E-06
HY04	8	110543	Hexane	3.67E-02	4.18E-06
HY04	8	67561	Methanol	2.75E-03	3.14E-07
HY04	8	78933	Methyl Ethyl Ketone	4.58E-04	5.23E-08
HY04	8	91203	Naphthalene	1.15E-03	1.31E-07
HY04	8	115071	Propylene	7.01E-02	8.00E-06
HY04	8	100425	Styrene	2.75E-03	3.14E-07
HY04	8	108883	Toluene	1.32E-01	1.51E-05
HY04	8	1330207	Xylenes	1.10E-01	1.26E-05
HY05	9	75070	Acetaldehyde	5.71E-03	6.52E-07
HY05	9	107028	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	67561	Methanol	2.45E-03	2.79E-07
HY05	9	78933	Methyl Ethyl Ketone	4.08E-04	4.66E-08
HY05	9	91203	Naphthalene	1.02E-03	1.16E-07
HY05	9	115071	Propylene	6.24E-02	7.13E-06
HY05	9	100425	Styrene	2.45E-03	2.79E-07
HY05	9	108883	Toluene	1.18E-01	1.34E-05
HY05	9	1330207	Xylenes	9.79E-02	1.12E-05
HY06	10	75070	Acetaldehyde	5.73E-03	6.54E-07
HY06	10	107028	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	110543	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	100425	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	Xylenes	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	115071	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

Equipment Type	Buildings	Days Per Year	Emissions (tons/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

Model ID	Buildings	No. of Sources	X/Q	Emissions (lbs/year)	Annual Emissions (g/s) per source
				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

HARP ID	Buildings		Emissions (lbs/year)
			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

On-Site Stationary Source Emissions
Unmitigated

Equipment Type	Buildings	No. of Units	Days Per Year	Emissions (tons/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

Generators	Model ID	Group ID	No. of Sources	X/Q	Emissions (lbs/year)		Annual Emissions (g/s)	
					PM _{2.5} Exhaust		PM _{2.5} Exhaust	
					PM _{2.5} Exhaust	Annual Emissions (g/s)	PM _{2.5} Exhaust	Annual Emissions (g/s)
	GEN_A	GEN_A	1	1.00000E+00	4.81E+00	6.91853E-05	6.91853E-05	
	GEN_BC	GEN_BC	1	1.00000E+00	4.81E+00	6.91853E-05	6.91853E-05	
	GEN_D	GEN_D	1	1.00000E+00	4.81E+00	6.91853E-05	6.91853E-05	
	GEN_E	GEN_E	1	1.00000E+00	4.81E+00	6.91853E-05	6.91853E-05	
	GEN_F	GEN_F	1	1.00000E+00	4.81E+00	6.91853E-05	6.91853E-05	
	GEN_G	GEN_G	1	1.00000E+00	4.81E+00	6.91853E-05	6.91853E-05	

FWPs	Model ID	Group ID	No. of Sources	X/Q	Emissions (lbs/year)		Annual Emissions (g/s)	
					PM _{2.5} Exhaust		PM _{2.5} Exhaust	
					PM _{2.5} Exhaust	Annual Emissions (g/s)	PM _{2.5} Exhaust	Annual Emissions (g/s)
	FWP_A	FWP_A	1	1.00000E+00	4.81E+00	6.91853E-05	6.91853E-05	
	FWP_BC	FWP_BC	1	1.00000E+00	4.81E+00	6.91853E-05	6.91853E-05	
	FWP_D	FWP_D	1	1.00000E+00	4.81E+00	6.91853E-05	6.91853E-05	
	FWP_E	FWP_E	1	1.00000E+00	4.81E+00	6.91853E-05	6.91853E-05	
	FWP_F	FWP_F	1	1.00000E+00	4.81E+00	6.91853E-05	6.91853E-05	
	FWP_G	FWP_G	1	1.00000E+00	4.81E+00	6.91853E-05	6.91853E-05	

Equipment Type	Buildings	Days Per Year	Emissions (tons/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

TRUs - Idling at Docks	Model ID	Group ID	No. of Sources	X/Q	Emissions (lbs/year)		Annual Emissions (g/s)	
					PM _{2.5} Exhaust		PM _{2.5} Exhaust	
					PM _{2.5} Exhaust	Annual Emissions (g/s)	PM _{2.5} Exhaust	Annual Emissions (g/s)
	TRU_A1-TRU_A46	TRU_A	46	2.17391E-02	1.271E+02	3.97290E-05	3.97290E-05	
	TRU_B1-TRU_B224	TRU_BC	224	4.46429E-03	6.187E+02	3.97290E-05	3.97290E-05	
	TRU_D1-TRU_D20	TRU_D	20	5.00000E-02	7.147E+01	5.14020E-05	5.14020E-05	
	TRU_E1-TRU_E20	TRU_E	20	5.00000E-02	7.147E+01	5.14020E-05	5.14020E-05	
	TRU_F1-TRU_F33	TRU_F	33	3.03030E-02	1.179E+02	5.14020E-05	5.14020E-05	
	TRU_G1-TRU_G27	TRU_G	27	3.70370E-02	9.649E+01	5.14020E-05	5.14020E-05	

Onsite Road Segments - Personal Worker Vehicles (Cars) (Unmitigated)

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	8.30630E-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 (Unmitigated)

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 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 South 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

Unmitigated

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

	(% 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

	(% 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 Sources (Unmitigated)						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

Unmitigated

SRC ID	SRC No.	CAS	Pollutant	(Interim Ops - Onsite)	
				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	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	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	50000	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	91203	Naphthalene	5.44E-02	6.21E-06
TRUCKS	10	115071	Propylene	3.33E+00	3.80E-04
TRUCKS	10	100425	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

Unmitigated

SRC ID	SRC No.	CAS	Pollutant	(Interim Ops - Offsite)	
				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

PEN1_Cars	1	71432	Benzene	1.05E+00	1.20E-04
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	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 Ketone	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	107028	Acrolein	3.42E-04	3.91E-08
COR1_Cars	2	71432	Benzene	6.50E-03	7.42E-07
COR1_Cars	2	106990	1,3-Butadiene	1.45E-03	1.65E-07
COR1_Cars	2	100414	Ethylbenzene	2.76E-03	3.16E-07
COR1_Cars	2	50000	Formaldehyde	4.16E-03	4.75E-07
COR1_Cars	2	110543	Hexane	4.21E-03	4.81E-07
COR1_Cars	2	67561	Methanol	3.16E-04	3.61E-08
COR1_Cars	2	78933	Methyl Ethyl Ketone	5.27E-05	6.01E-09
COR1_Cars	2	91203	Naphthalene	1.32E-04	1.50E-08
COR1_Cars	2	115071	Propylene	8.06E-03	9.20E-07
COR1_Cars	2	100425	Styrene	3.16E-04	3.61E-08
COR1_Cars	2	108883	Toluene	1.52E-02	1.73E-06
COR1_Cars	2	1330207	Xylenes	1.26E-02	1.44E-06
COR2_Cars	3	75070	Acetaldehyde	1.25E-02	1.43E-06
COR2_Cars	3	107028	Acrolein	5.82E-03	6.64E-07
COR2_Cars	3	71432	Benzene	1.11E-01	1.26E-05
COR2_Cars	3	106990	1,3-Butadiene	2.46E-02	2.81E-06
COR2_Cars	3	100414	Ethylbenzene	4.70E-02	5.36E-06
COR2_Cars	3	50000	Formaldehyde	7.07E-02	8.07E-06
COR2_Cars	3	110543	Hexane	7.16E-02	8.17E-06
COR2_Cars	3	67561	Methanol	5.37E-03	6.13E-07
COR2_Cars	3	78933	Methyl Ethyl Ketone	8.95E-04	1.02E-07
COR2_Cars	3	91203	Naphthalene	2.24E-03	2.55E-07
COR2_Cars	3	115071	Propylene	1.37E-01	1.56E-05
COR2_Cars	3	100425	Styrene	5.37E-03	6.13E-07
COR2_Cars	3	108883	Toluene	2.58E-01	2.94E-05
COR2_Cars	3	1330207	Xylenes	2.15E-01	2.45E-05
PEN2_Cars	4	75070	Acetaldehyde	1.35E-02	1.54E-06
PEN2_Cars	4	107028	Acrolein	6.27E-03	7.16E-07
PEN2_Cars	4	71432	Benzene	1.19E-01	1.36E-05
PEN2_Cars	4	106990	1,3-Butadiene	2.65E-02	3.03E-06
PEN2_Cars	4	100414	Ethylbenzene	5.07E-02	5.79E-06
PEN2_Cars	4	50000	Formaldehyde	7.63E-02	8.71E-06
PEN2_Cars	4	110543	Hexane	7.72E-02	8.82E-06

PEN2_Cars	4	67561	Methanol	5.79E-03	6.61E-07
PEN2_Cars	4	78933	Methyl Ethyl Ketone	9.65E-04	1.10E-07
PEN2_Cars	4	91203	Naphthalene	2.41E-03	2.76E-07
PEN2_Cars	4	115071	Propylene	1.48E-01	1.69E-05
PEN2_Cars	4	100425	Styrene	5.79E-03	6.61E-07
PEN2_Cars	4	108883	Toluene	2.78E-01	3.17E-05
PEN2_Cars	4	1330207	Xylenes	2.32E-01	2.64E-05
HY01_Cars	5	75070	Acetaldehyde	1.65E-02	1.88E-06
HY01_Cars	5	107028	Acrolein	7.64E-03	8.73E-07
HY01_Cars	5	71432	Benzene	1.45E-01	1.66E-05
HY01_Cars	5	106990	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 Ketone	1.18E-03	1.34E-07
HY01_Cars	5	91203	Naphthalene	2.94E-03	3.36E-07
HY01_Cars	5	115071	Propylene	1.80E-01	2.05E-05
HY01_Cars	5	100425	Styrene	7.06E-03	8.05E-07
HY01_Cars	5	108883	Toluene	3.39E-01	3.87E-05
HY01_Cars	5	1330207	Xylenes	2.82E-01	3.22E-05
HY02_Cars	6	75070	Acetaldehyde	2.63E-02	3.00E-06
HY02_Cars	6	107028	Acrolein	1.22E-02	1.39E-06
HY02_Cars	6	71432	Benzene	2.32E-01	2.65E-05
HY02_Cars	6	106990	1,3-Butadiene	5.16E-02	5.90E-06
HY02_Cars	6	100414	Ethylbenzene	9.86E-02	1.13E-05
HY02_Cars	6	50000	Formaldehyde	1.48E-01	1.69E-05
HY02_Cars	6	110543	Hexane	1.50E-01	1.72E-05
HY02_Cars	6	67561	Methanol	1.13E-02	1.29E-06
HY02_Cars	6	78933	Methyl Ethyl Ketone	1.88E-03	2.14E-07
HY02_Cars	6	91203	Naphthalene	4.70E-03	5.36E-07
HY02_Cars	6	115071	Propylene	2.87E-01	3.28E-05
HY02_Cars	6	100425	Styrene	1.13E-02	1.29E-06
HY02_Cars	6	108883	Toluene	5.41E-01	6.17E-05
HY02_Cars	6	1330207	Xylenes	4.51E-01	5.15E-05
PEN3_Cars	7	75070	Acetaldehyde	1.33E-02	1.51E-06
PEN3_Cars	7	107028	Acrolein	6.16E-03	7.03E-07
PEN3_Cars	7	71432	Benzene	1.17E-01	1.34E-05
PEN3_Cars	7	106990	1,3-Butadiene	2.61E-02	2.98E-06
PEN3_Cars	7	100414	Ethylbenzene	4.98E-02	5.68E-06
PEN3_Cars	7	50000	Formaldehyde	7.49E-02	8.55E-06
PEN3_Cars	7	110543	Hexane	7.58E-02	8.66E-06
PEN3_Cars	7	67561	Methanol	5.69E-03	6.49E-07
PEN3_Cars	7	78933	Methyl Ethyl Ketone	9.48E-04	1.08E-07
PEN3_Cars	7	91203	Naphthalene	2.37E-03	2.70E-07
PEN3_Cars	7	115071	Propylene	1.45E-01	1.66E-05
PEN3_Cars	7	100425	Styrene	5.69E-03	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	107028	Acrolein	8.44E-03	9.64E-07
PEN4_Cars	8	71432	Benzene	1.60E-01	1.83E-05
PEN4_Cars	8	106990	1,3-Butadiene	3.57E-02	4.08E-06
PEN4_Cars	8	100414	Ethylbenzene	6.82E-02	7.78E-06
PEN4_Cars	8	50000	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 Ketone	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	108883	Toluene	3.74E-01	4.27E-05
PEN4_Cars	8	1330207	Xylenes	3.12E-01	3.56E-05
WTX1_Cars	9	75070	Acetaldehyde	4.91E-03	5.61E-07
WTX1_Cars	9	107028	Acrolein	2.28E-03	2.60E-07
WTX1_Cars	9	71432	Benzene	4.34E-02	4.95E-06
WTX1_Cars	9	106990	1,3-Butadiene	9.65E-03	1.10E-06
WTX1_Cars	9	100414	Ethylbenzene	1.84E-02	2.10E-06
WTX1_Cars	9	50000	Formaldehyde	2.77E-02	3.17E-06
WTX1_Cars	9	110543	Hexane	2.81E-02	3.21E-06
WTX1_Cars	9	67561	Methanol	2.11E-03	2.40E-07
WTX1_Cars	9	78933	Methyl Ethyl Ketone	3.51E-04	4.01E-08
WTX1_Cars	9	91203	Naphthalene	8.78E-04	1.00E-07
WTX1_Cars	9	115071	Propylene	5.37E-02	6.13E-06
WTX1_Cars	9	100425	Styrene	2.11E-03	2.40E-07
WTX1_Cars	9	108883	Toluene	1.01E-01	1.15E-05
WTX1_Cars	9	1330207	Xylenes	8.43E-02	9.62E-06
BEK1_Cars	10	75070	Acetaldehyde	1.70E-02	1.94E-06
BEK1_Cars	10	107028	Acrolein	7.87E-03	8.99E-07
BEK1_Cars	10	71432	Benzene	1.50E-01	1.71E-05
BEK1_Cars	10	106990	1,3-Butadiene	3.33E-02	3.80E-06
BEK1_Cars	10	100414	Ethylbenzene	6.36E-02	7.26E-06
BEK1_Cars	10	50000	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	78933	Methyl Ethyl Ketone	1.21E-03	1.38E-07
BEK1_Cars	10	91203	Naphthalene	3.03E-03	3.46E-07
BEK1_Cars	10	115071	Propylene	1.85E-01	2.12E-05
BEK1_Cars	10	100425	Styrene	7.27E-03	8.30E-07
BEK1_Cars	10	108883	Toluene	3.49E-01	3.98E-05
BEK1_Cars	10	1330207	Xylenes	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

BEK2_Cars	11	106990	1,3-Butadiene	3.33E-02	3.80E-06
BEK2_Cars	11	100414	Ethylbenzene	6.36E-02	7.26E-06
BEK2_Cars	11	50000	Formaldehyde	9.57E-02	1.09E-05
BEK2_Cars	11	110543	Hexane	9.69E-02	1.11E-05
BEK2_Cars	11	67561	Methanol	7.27E-03	8.30E-07
BEK2_Cars	11	78933	Methyl Ethyl Ketone	1.21E-03	1.38E-07
BEK2_Cars	11	91203	Naphthalene	3.03E-03	3.46E-07
BEK2_Cars	11	115071	Propylene	1.85E-01	2.12E-05
BEK2_Cars	11	100425	Styrene	7.27E-03	8.30E-07
BEK2_Cars	11	108883	Toluene	3.49E-01	3.98E-05
BEK2_Cars	11	1330207	Xylenes	2.91E-01	3.32E-05
COR3_Cars	12	75070	Acetaldehyde	2.46E-03	2.81E-07
COR3_Cars	12	107028	Acrolein	1.14E-03	1.30E-07
COR3_Cars	12	71432	Benzene	2.17E-02	2.47E-06
COR3_Cars	12	106990	1,3-Butadiene	4.83E-03	5.51E-07
COR3_Cars	12	100414	Ethylbenzene	9.21E-03	1.05E-06
COR3_Cars	12	50000	Formaldehyde	1.39E-02	1.58E-06
COR3_Cars	12	110543	Hexane	1.40E-02	1.60E-06
COR3_Cars	12	67561	Methanol	1.05E-03	1.20E-07
COR3_Cars	12	78933	Methyl Ethyl Ketone	1.76E-04	2.00E-08
COR3_Cars	12	91203	Naphthalene	4.39E-04	5.01E-08
COR3_Cars	12	115071	Propylene	2.69E-02	3.07E-06
COR3_Cars	12	100425	Styrene	1.05E-03	1.20E-07
COR3_Cars	12	108883	Toluene	5.06E-02	5.77E-06
COR3_Cars	12	1330207	Xylenes	4.21E-02	4.81E-06
BEK3_Cars	13	75070	Acetaldehyde	6.39E-03	7.29E-07
BEK3_Cars	13	107028	Acrolein	2.97E-03	3.39E-07
BEK3_Cars	13	71432	Benzene	5.64E-02	6.43E-06
BEK3_Cars	13	106990	1,3-Butadiene	1.25E-02	1.43E-06
BEK3_Cars	13	100414	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 Ketone	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	108883	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	50000	Formaldehyde	1.39E-02	1.58E-06
BEK4_Cars	14	110543	Hexane	1.40E-02	1.60E-06
BEK4_Cars	14	67561	Methanol	1.05E-03	1.20E-07

BEK4_Cars	14	78933	Methyl Ethyl Ketor	1.76E-04	2.00E-08
BEK4_Cars	14	91203	Naphthalene	4.39E-04	5.01E-08
BEK4_Cars	14	115071	Propylene	2.69E-02	3.07E-06
BEK4_Cars	14	100425	Styrene	1.05E-03	1.20E-07
BEK4_Cars	14	108883	Toluene	5.06E-02	5.77E-06
BEK4_Cars	14	1330207	Xylenes	4.21E-02	4.81E-06
BEK5_Cars	15	75070	Acetaldehyde	3.93E-03	4.49E-07
BEK5_Cars	15	107028	Acrolein	1.83E-03	2.08E-07
BEK5_Cars	15	71432	Benzene	3.47E-02	3.96E-06
BEK5_Cars	15	106990	1,3-Butadiene	7.72E-03	8.82E-07
BEK5_Cars	15	100414	Ethylbenzene	1.47E-02	1.68E-06
BEK5_Cars	15	50000	Formaldehyde	2.22E-02	2.53E-06
BEK5_Cars	15	110543	Hexane	2.25E-02	2.56E-06
BEK5_Cars	15	67561	Methanol	1.69E-03	1.92E-07
BEK5_Cars	15	78933	Methyl Ethyl Ketor	2.81E-04	3.21E-08
BEK5_Cars	15	91203	Naphthalene	7.02E-04	8.01E-08
BEK5_Cars	15	115071	Propylene	4.30E-02	4.90E-06
BEK5_Cars	15	100425	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	100414	Ethylbenzene	0.00E+00	0.00E+00
CBN1_Cars	16	50000	Formaldehyde	0.00E+00	0.00E+00
CBN1_Cars	16	110543	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	91203	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	Xylenes	0.00E+00	0.00E+00
CBN2_Cars	17	75070	Acetaldehyde	0.00E+00	0.00E+00
CBN2_Cars	17	107028	Acrolein	0.00E+00	0.00E+00
CBN2_Cars	17	71432	Benzene	0.00E+00	0.00E+00
CBN2_Cars	17	106990	1,3-Butadiene	0.00E+00	0.00E+00
CBN2_Cars	17	100414	Ethylbenzene	0.00E+00	0.00E+00
CBN2_Cars	17	50000	Formaldehyde	0.00E+00	0.00E+00
CBN2_Cars	17	110543	Hexane	0.00E+00	0.00E+00
CBN2_Cars	17	67561	Methanol	0.00E+00	0.00E+00
CBN2_Cars	17	78933	Methyl Ethyl Ketor	0.00E+00	0.00E+00
CBN2_Cars	17	91203	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	Xylenes	0.00E+00	0.00E+00
HY03_Cars	18	75070	Acetaldehyde	1.45E-02	1.66E-06
HY03_Cars	18	107028	Acrolein	6.73E-03	7.68E-07
HY03_Cars	18	71432	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	110543	Hexane	8.28E-02	9.46E-06
HY03_Cars	18	67561	Methanol	6.21E-03	7.09E-07
HY03_Cars	18	78933	Methyl Ethyl Ketone	1.04E-03	1.18E-07
HY03_Cars	18	91203	Naphthalene	2.59E-03	2.96E-07
HY03_Cars	18	115071	Propylene	1.58E-01	1.81E-05
HY03_Cars	18	100425	Styrene	6.21E-03	7.09E-07
HY03_Cars	18	108883	Toluene	2.98E-01	3.40E-05
HY03_Cars	18	1330207	Xylenes	2.49E-01	2.84E-05
HY04_Cars	19	75070	Acetaldehyde	1.23E-03	1.40E-07
HY04_Cars	19	107028	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	100414	Ethylbenzene	4.61E-03	5.26E-07
HY04_Cars	19	50000	Formaldehyde	6.93E-03	7.91E-07
HY04_Cars	19	110543	Hexane	7.02E-03	8.01E-07
HY04_Cars	19	67561	Methanol	5.27E-04	6.01E-08
HY04_Cars	19	78933	Methyl Ethyl Ketone	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	100425	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	100414	Ethylbenzene	7.00E-02	7.99E-06
HY05_Cars	20	50000	Formaldehyde	1.05E-01	1.20E-05
HY05_Cars	20	110543	Hexane	1.07E-01	1.22E-05
HY05_Cars	20	67561	Methanol	8.00E-03	9.14E-07
HY05_Cars	20	78933	Methyl Ethyl Ketone	1.33E-03	1.52E-07
HY05_Cars	20	91203	Naphthalene	3.33E-03	3.81E-07
HY05_Cars	20	115071	Propylene	2.04E-01	2.33E-05
HY05_Cars	20	100425	Styrene	8.00E-03	9.14E-07
HY05_Cars	20	108883	Toluene	3.84E-01	4.39E-05
HY05_Cars	20	1330207	Xylenes	3.20E-01	3.65E-05
HY06_Cars	21	75070	Acetaldehyde	2.58E-02	2.95E-06
HY06_Cars	21	107028	Acrolein	1.20E-02	1.37E-06
HY06_Cars	21	71432	Benzene	2.28E-01	2.60E-05
HY06_Cars	21	106990	1,3-Butadiene	5.07E-02	5.79E-06

HY06_Cars	21	100414	Ethylbenzene	9.68E-02	1.10E-05
HY06_Cars	21	50000	Formaldehyde	1.46E-01	1.66E-05
HY06_Cars	21	110543	Hexane	1.47E-01	1.68E-05
HY06_Cars	21	67561	Methanol	1.11E-02	1.26E-06
HY06_Cars	21	78933	Methyl Ethyl Ketone	1.84E-03	2.10E-07
HY06_Cars	21	91203	Naphthalene	4.61E-03	5.26E-07
HY06_Cars	21	115071	Propylene	2.82E-01	3.22E-05
HY06_Cars	21	100425	Styrene	1.11E-02	1.26E-06
HY06_Cars	21	108883	Toluene	5.31E-01	6.06E-05
HY06_Cars	21	1330207	Xylenes	4.42E-01	5.05E-05
PEN1_Trucks	22	75070	Acetaldehyde	3.50E-01	4.00E-05
PEN1_Trucks	22	107028	Acrolein	1.63E-01	1.86E-05
PEN1_Trucks	22	71432	Benzene	3.09E+00	3.53E-04
PEN1_Trucks	22	106990	1,3-Butadiene	6.88E-01	7.85E-05
PEN1_Trucks	22	100414	Ethylbenzene	1.31E+00	1.50E-04
PEN1_Trucks	22	50000	Formaldehyde	1.98E+00	2.26E-04
PEN1_Trucks	22	110543	Hexane	2.00E+00	2.28E-04
PEN1_Trucks	22	67561	Methanol	1.50E-01	1.71E-05
PEN1_Trucks	22	78933	Methyl Ethyl Ketone	2.50E-02	2.86E-06
PEN1_Trucks	22	91203	Naphthalene	6.25E-02	7.14E-06
PEN1_Trucks	22	115071	Propylene	3.83E+00	4.37E-04
PEN1_Trucks	22	100425	Styrene	1.50E-01	1.71E-05
PEN1_Trucks	22	108883	Toluene	7.20E+00	8.22E-04
PEN1_Trucks	22	1330207	Xylenes	6.00E+00	6.85E-04
COR1_Trucks	23	75070	Acetaldehyde	2.18E-03	2.48E-07
COR1_Trucks	23	107028	Acrolein	1.01E-03	1.15E-07
COR1_Trucks	23	71432	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	50000	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 Ketone	1.55E-04	1.77E-08
COR1_Trucks	23	91203	Naphthalene	3.88E-04	4.43E-08
COR1_Trucks	23	115071	Propylene	2.38E-02	2.71E-06
COR1_Trucks	23	100425	Styrene	9.32E-04	1.06E-07
COR1_Trucks	23	108883	Toluene	4.48E-02	5.11E-06
COR1_Trucks	23	1330207	Xylenes	3.73E-02	4.26E-06
COR2_Trucks	24	75070	Acetaldehyde	3.70E-02	4.22E-06
COR2_Trucks	24	107028	Acrolein	1.72E-02	1.96E-06
COR2_Trucks	24	71432	Benzene	3.26E-01	3.72E-05
COR2_Trucks	24	106990	1,3-Butadiene	7.26E-02	8.29E-06
COR2_Trucks	24	100414	Ethylbenzene	1.39E-01	1.58E-05
COR2_Trucks	24	50000	Formaldehyde	2.09E-01	2.38E-05
COR2_Trucks	24	110543	Hexane	2.11E-01	2.41E-05
COR2_Trucks	24	67561	Methanol	1.58E-02	1.81E-06
COR2_Trucks	24	78933	Methyl Ethyl Ketone	2.64E-03	3.02E-07

COR2_Trucks	24	91203	Naphthalene	6.60E-03	7.54E-07
COR2_Trucks	24	115071	Propylene	4.04E-01	4.61E-05
COR2_Trucks	24	100425	Styrene	1.58E-02	1.81E-06
COR2_Trucks	24	108883	Toluene	7.61E-01	8.68E-05
COR2_Trucks	24	1330207	Xylenes	6.34E-01	7.24E-05
PEN2_Trucks	25	75070	Acetaldehyde	3.99E-02	4.55E-06
PEN2_Trucks	25	107028	Acrolein	1.85E-02	2.11E-06
PEN2_Trucks	25	71432	Benzene	3.52E-01	4.02E-05
PEN2_Trucks	25	106990	1,3-Butadiene	7.83E-02	8.94E-06
PEN2_Trucks	25	100414	Ethylbenzene	1.50E-01	1.71E-05
PEN2_Trucks	25	50000	Formaldehyde	2.25E-01	2.57E-05
PEN2_Trucks	25	110543	Hexane	2.28E-01	2.60E-05
PEN2_Trucks	25	67561	Methanol	1.71E-02	1.95E-06
PEN2_Trucks	25	78933	Methyl Ethyl Ketone	2.85E-03	3.25E-07
PEN2_Trucks	25	91203	Naphthalene	7.12E-03	8.13E-07
PEN2_Trucks	25	115071	Propylene	4.36E-01	4.98E-05
PEN2_Trucks	25	100425	Styrene	1.71E-02	1.95E-06
PEN2_Trucks	25	108883	Toluene	8.20E-01	9.37E-05
PEN2_Trucks	25	1330207	Xylenes	6.84E-01	7.80E-05
HY01_Trucks	26	75070	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	106990	1,3-Butadiene	9.54E-02	1.09E-05
HY01_Trucks	26	100414	Ethylbenzene	1.82E-01	2.08E-05
HY01_Trucks	26	50000	Formaldehyde	2.74E-01	3.13E-05
HY01_Trucks	26	110543	Hexane	2.78E-01	3.17E-05
HY01_Trucks	26	67561	Methanol	2.08E-02	2.38E-06
HY01_Trucks	26	78933	Methyl Ethyl Ketone	3.47E-03	3.96E-07
HY01_Trucks	26	91203	Naphthalene	8.68E-03	9.90E-07
HY01_Trucks	26	115071	Propylene	5.31E-01	6.06E-05
HY01_Trucks	26	100425	Styrene	2.08E-02	2.38E-06
HY01_Trucks	26	108883	Toluene	9.99E-01	1.14E-04
HY01_Trucks	26	1330207	Xylenes	8.33E-01	9.51E-05
HY02_Trucks	27	75070	Acetaldehyde	7.76E-02	8.86E-06
HY02_Trucks	27	107028	Acrolein	3.60E-02	4.11E-06
HY02_Trucks	27	71432	Benzene	6.84E-01	7.81E-05
HY02_Trucks	27	106990	1,3-Butadiene	1.52E-01	1.74E-05
HY02_Trucks	27	100414	Ethylbenzene	2.91E-01	3.32E-05
HY02_Trucks	27	50000	Formaldehyde	4.38E-01	5.00E-05
HY02_Trucks	27	110543	Hexane	4.43E-01	5.06E-05
HY02_Trucks	27	67561	Methanol	3.33E-02	3.80E-06
HY02_Trucks	27	78933	Methyl Ethyl Ketone	5.54E-03	6.33E-07
HY02_Trucks	27	91203	Naphthalene	1.39E-02	1.58E-06
HY02_Trucks	27	115071	Propylene	8.48E-01	9.68E-05
HY02_Trucks	27	100425	Styrene	3.33E-02	3.80E-06
HY02_Trucks	27	108883	Toluene	1.60E+00	1.82E-04
HY02_Trucks	27	1330207	Xylenes	1.33E+00	1.52E-04

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	100414	Ethylbenzene	1.47E-01	1.68E-05
PEN3_Trucks	28	50000	Formaldehyde	2.21E-01	2.52E-05
PEN3_Trucks	28	110543	Hexane	2.24E-01	2.55E-05
PEN3_Trucks	28	67561	Methanol	1.68E-02	1.92E-06
PEN3_Trucks	28	78933	Methyl Ethyl Ketone	2.80E-03	3.19E-07
PEN3_Trucks	28	91203	Naphthalene	6.99E-03	7.98E-07
PEN3_Trucks	28	115071	Propylene	4.28E-01	4.89E-05
PEN3_Trucks	28	100425	Styrene	1.68E-02	1.92E-06
PEN3_Trucks	28	108883	Toluene	8.06E-01	9.20E-05
PEN3_Trucks	28	1330207	Xylenes	6.71E-01	7.66E-05
PEN4_Trucks	29	75070	Acetaldehyde	5.37E-02	6.13E-06
PEN4_Trucks	29	107028	Acrolein	2.49E-02	2.84E-06
PEN4_Trucks	29	71432	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	110543	Hexane	3.07E-01	3.50E-05
PEN4_Trucks	29	67561	Methanol	2.30E-02	2.63E-06
PEN4_Trucks	29	78933	Methyl Ethyl Ketone	3.83E-03	4.38E-07
PEN4_Trucks	29	91203	Naphthalene	9.58E-03	1.09E-06
PEN4_Trucks	29	115071	Propylene	5.86E-01	6.69E-05
PEN4_Trucks	29	100425	Styrene	2.30E-02	2.63E-06
PEN4_Trucks	29	108883	Toluene	1.10E+00	1.26E-04
PEN4_Trucks	29	1330207	Xylenes	9.20E-01	1.05E-04
WTX1_Trucks	30	75070	Acetaldehyde	1.45E-02	1.66E-06
WTX1_Trucks	30	107028	Acrolein	6.73E-03	7.69E-07
WTX1_Trucks	30	71432	Benzene	1.28E-01	1.46E-05
WTX1_Trucks	30	106990	1,3-Butadiene	2.85E-02	3.25E-06
WTX1_Trucks	30	100414	Ethylbenzene	5.44E-02	6.21E-06
WTX1_Trucks	30	50000	Formaldehyde	8.18E-02	9.34E-06
WTX1_Trucks	30	110543	Hexane	8.29E-02	9.46E-06
WTX1_Trucks	30	67561	Methanol	6.22E-03	7.10E-07
WTX1_Trucks	30	78933	Methyl Ethyl Ketone	1.04E-03	1.18E-07
WTX1_Trucks	30	91203	Naphthalene	2.59E-03	2.96E-07
WTX1_Trucks	30	115071	Propylene	1.58E-01	1.81E-05
WTX1_Trucks	30	100425	Styrene	6.22E-03	7.10E-07
WTX1_Trucks	30	108883	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	107028	Acrolein	2.32E-02	2.65E-06
BEK1_Trucks	31	71432	Benzene	4.41E-01	5.04E-05
BEK1_Trucks	31	106990	1,3-Butadiene	9.83E-02	1.12E-05
BEK1_Trucks	31	100414	Ethylbenzene	1.88E-01	2.14E-05

BEK1_Trucks	31	50000	Formaldehyde	2.82E-01	3.22E-05
BEK1_Trucks	31	110543	Hexane	2.86E-01	3.26E-05
BEK1_Trucks	31	67561	Methanol	2.14E-02	2.45E-06
BEK1_Trucks	31	78933	Methyl Ethyl Ketone	3.57E-03	4.08E-07
BEK1_Trucks	31	91203	Naphthalene	8.93E-03	1.02E-06
BEK1_Trucks	31	115071	Propylene	5.47E-01	6.24E-05
BEK1_Trucks	31	100425	Styrene	2.14E-02	2.45E-06
BEK1_Trucks	31	108883	Toluene	1.03E+00	1.17E-04
BEK1_Trucks	31	1330207	Xylenes	8.58E-01	9.79E-05
BEK2_Trucks	32	75070	Acetaldehyde	5.00E-02	5.71E-06
BEK2_Trucks	32	107028	Acrolein	2.32E-02	2.65E-06
BEK2_Trucks	32	71432	Benzene	4.41E-01	5.04E-05
BEK2_Trucks	32	106990	1,3-Butadiene	9.83E-02	1.12E-05
BEK2_Trucks	32	100414	Ethylbenzene	1.88E-01	2.14E-05
BEK2_Trucks	32	50000	Formaldehyde	2.82E-01	3.22E-05
BEK2_Trucks	32	110543	Hexane	2.86E-01	3.26E-05
BEK2_Trucks	32	67561	Methanol	2.14E-02	2.45E-06
BEK2_Trucks	32	78933	Methyl Ethyl Ketone	3.57E-03	4.08E-07
BEK2_Trucks	32	91203	Naphthalene	8.93E-03	1.02E-06
BEK2_Trucks	32	115071	Propylene	5.47E-01	6.24E-05
BEK2_Trucks	32	100425	Styrene	2.14E-02	2.45E-06
BEK2_Trucks	32	108883	Toluene	1.03E+00	1.17E-04
BEK2_Trucks	32	1330207	Xylenes	8.58E-01	9.79E-05
HY04_Cars	19	75070	Acetaldehyde	3.63E-03	4.14E-07
COR3_Trucks	33	107028	Acrolein	3.37E-03	3.84E-07
COR3_Trucks	33	71432	Benzene	6.40E-02	7.30E-06
COR3_Trucks	33	106990	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 Ketone	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	100425	Styrene	3.11E-03	3.55E-07
COR3_Trucks	33	108883	Toluene	1.49E-01	1.70E-05
COR3_Trucks	33	1330207	Xylenes	1.24E-01	1.42E-05
BEK3_Trucks	34	75070	Acetaldehyde	1.89E-02	2.15E-06
BEK3_Trucks	34	107028	Acrolein	8.75E-03	9.99E-07
BEK3_Trucks	34	71432	Benzene	1.66E-01	1.90E-05
BEK3_Trucks	34	106990	1,3-Butadiene	3.70E-02	4.23E-06
BEK3_Trucks	34	100414	Ethylbenzene	7.07E-02	8.07E-06
BEK3_Trucks	34	50000	Formaldehyde	1.06E-01	1.21E-05
BEK3_Trucks	34	110543	Hexane	1.08E-01	1.23E-05
BEK3_Trucks	34	67561	Methanol	8.08E-03	9.22E-07
BEK3_Trucks	34	78933	Methyl Ethyl Ketone	1.35E-03	1.54E-07
BEK3_Trucks	34	91203	Naphthalene	3.37E-03	3.84E-07

BEK3_Trucks	34	115071	Propylene	2.06E-01	2.35E-05
BEK3_Trucks	34	100425	Styrene	8.08E-03	9.22E-07
BEK3_Trucks	34	108883	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	106990	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	67561	Methanol	3.11E-03	3.55E-07
BEK4_Trucks	35	78933	Methyl Ethyl Ketone	5.18E-04	5.91E-08
BEK4_Trucks	35	91203	Naphthalene	1.29E-03	1.48E-07
BEK4_Trucks	35	115071	Propylene	7.92E-02	9.05E-06
BEK4_Trucks	35	100425	Styrene	3.11E-03	3.55E-07
BEK4_Trucks	35	108883	Toluene	1.49E-01	1.70E-05
BEK4_Trucks	35	1330207	Xylenes	1.24E-01	1.42E-05
BEK5_Trucks	36	75070	Acetaldehyde	1.16E-02	1.32E-06
BEK5_Trucks	36	107028	Acrolein	5.39E-03	6.15E-07
BEK5_Trucks	36	71432	Benzene	1.02E-01	1.17E-05
BEK5_Trucks	36	106990	1,3-Butadiene	2.28E-02	2.60E-06
BEK5_Trucks	36	100414	Ethylbenzene	4.35E-02	4.97E-06
BEK5_Trucks	36	50000	Formaldehyde	6.55E-02	7.47E-06
BEK5_Trucks	36	110543	Hexane	6.63E-02	7.57E-06
BEK5_Trucks	36	67561	Methanol	4.97E-03	5.68E-07
BEK5_Trucks	36	78933	Methyl Ethyl Ketone	8.29E-04	9.46E-08
BEK5_Trucks	36	91203	Naphthalene	2.07E-03	2.37E-07
BEK5_Trucks	36	115071	Propylene	1.27E-01	1.45E-05
BEK5_Trucks	36	100425	Styrene	4.97E-03	5.68E-07
BEK5_Trucks	36	108883	Toluene	2.39E-01	2.72E-05
BEK5_Trucks	36	1330207	Xylenes	1.99E-01	2.27E-05
CBN1_Trucks	37	75070	Acetaldehyde	0.00E+00	0.00E+00
CBN1_Trucks	37	107028	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	78933	Methyl Ethyl Ketone	0.00E+00	0.00E+00
CBN1_Trucks	37	91203	Naphthalene	0.00E+00	0.00E+00
CBN1_Trucks	37	115071	Propylene	0.00E+00	0.00E+00
CBN1_Trucks	37	100425	Styrene	0.00E+00	0.00E+00
CBN1_Trucks	37	108883	Toluene	0.00E+00	0.00E+00
CBN1_Trucks	37	1330207	Xylenes	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	50000	Formaldehyde	0.00E+00	0.00E+00
CBN2_Trucks	38	110543	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	4.28E-02	4.88E-06
HY03_Trucks	39	107028	Acrolein	1.99E-02	2.27E-06
HY03_Trucks	39	71432	Benzene	3.77E-01	4.31E-05
HY03_Trucks	39	106990	1,3-Butadiene	8.40E-02	9.59E-06
HY03_Trucks	39	100414	Ethylbenzene	1.60E-01	1.83E-05
HY03_Trucks	39	50000	Formaldehyde	2.41E-01	2.76E-05
HY03_Trucks	39	110543	Hexane	2.44E-01	2.79E-05
HY03_Trucks	39	67561	Methanol	1.83E-02	2.09E-06
HY03_Trucks	39	78933	Methyl Ethyl Ketone	3.06E-03	3.49E-07
HY03_Trucks	39	91203	Naphthalene	7.64E-03	8.72E-07
HY03_Trucks	39	115071	Propylene	4.68E-01	5.34E-05
HY03_Trucks	39	100425	Styrene	1.83E-02	2.09E-06
HY03_Trucks	39	108883	Toluene	8.80E-01	1.00E-04
HY03_Trucks	39	1330207	Xylenes	7.33E-01	8.37E-05
HY04_Trucks	40	75070	Acetaldehyde	3.63E-03	4.14E-07
HY04_Trucks	40	107028	Acrolein	1.68E-03	1.92E-07
HY04_Trucks	40	71432	Benzene	3.20E-02	3.65E-06
HY04_Trucks	40	106990	1,3-Butadiene	7.12E-03	8.13E-07
HY04_Trucks	40	100414	Ethylbenzene	1.36E-02	1.55E-06
HY04_Trucks	40	50000	Formaldehyde	2.05E-02	2.34E-06
HY04_Trucks	40	110543	Hexane	2.07E-02	2.37E-06
HY04_Trucks	40	67561	Methanol	1.55E-03	1.77E-07
HY04_Trucks	40	78933	Methyl Ethyl Ketone	2.59E-04	2.96E-08
HY04_Trucks	40	91203	Naphthalene	6.47E-04	7.39E-08
HY04_Trucks	40	115071	Propylene	3.96E-02	4.52E-06
HY04_Trucks	40	100425	Styrene	1.55E-03	1.77E-07
HY04_Trucks	40	108883	Toluene	7.46E-02	8.51E-06
HY04_Trucks	40	1330207	Xylenes	6.22E-02	7.10E-06
HY05_Trucks	41	75070	Acetaldehyde	5.51E-02	6.29E-06
HY05_Trucks	41	107028	Acrolein	2.56E-02	2.92E-06
HY05_Trucks	41	71432	Benzene	4.86E-01	5.55E-05
HY05_Trucks	41	106990	1,3-Butadiene	1.08E-01	1.24E-05
HY05_Trucks	41	100414	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 Ketone	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 Ketone	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	100425	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

SRC ID	SRC No.	CAS	Pollutant	(Full Build Ops - Offsite)	
				lb/yr	lb/hr
PEN1_Cars	1	9901	DieselExhPM	2.09E+00	0.00E+00
COR1_Cars	2	9901	DieselExhPM	1.30E-02	0.00E+00
COR2_Cars	3	9901	DieselExhPM	2.21E-01	0.00E+00
PEN2_Cars	4	9901	DieselExhPM	2.38E-01	0.00E+00
HY01_Cars	5	9901	DieselExhPM	2.90E-01	0.00E+00
HY02_Cars	6	9901	DieselExhPM	4.63E-01	0.00E+00
PEN3_Cars	7	9901	DieselExhPM	2.34E-01	0.00E+00
PEN4_Cars	8	9901	DieselExhPM	3.21E-01	0.00E+00
WTX1_Cars	9	9901	DieselExhPM	8.66E-02	0.00E+00
BEK1_Cars	10	9901	DieselExhPM	2.99E-01	0.00E+00
BEK2_Cars	11	9901	DieselExhPM	2.99E-01	0.00E+00
COR3_Cars	12	9901	DieselExhPM	4.33E-02	0.00E+00
BEK3_Cars	13	9901	DieselExhPM	1.13E-01	0.00E+00
BEK4_Cars	14	9901	DieselExhPM	4.33E-02	0.00E+00
BEK5_Cars	15	9901	DieselExhPM	6.93E-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	2.56E-01	0.00E+00
HY04_Cars	19	9901	DieselExhPM	2.17E-02	0.00E+00
HY05_Cars	20	9901	DieselExhPM	3.29E-01	0.00E+00
HY06_Cars	21	9901	DieselExhPM	4.55E-01	0.00E+00
PEN1_Trucks	22	9901	DieselExhPM	1.26E+01	0.00E+00
COR1_Trucks	23	9901	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

PEN1_Cars	1	71432	Benzene	1.51E+00	1.72E-04
PEN1_Cars	1	106990	1,3-Butadiene	3.36E-01	3.84E-05
PEN1_Cars	1	100414	Ethylbenzene	6.42E-01	7.32E-05
PEN1_Cars	1	50000	Formaldehyde	9.65E-01	1.10E-04
PEN1_Cars	1	110543	Hexane	9.78E-01	1.12E-04
PEN1_Cars	1	67561	Methanol	7.33E-02	8.37E-06
PEN1_Cars	1	78933	Methyl Ethyl Ketone	1.22E-02	1.40E-06
PEN1_Cars	1	91203	Naphthalene	3.06E-02	3.49E-06
PEN1_Cars	1	115071	Propylene	1.87E+00	2.13E-04
PEN1_Cars	1	100425	Styrene	7.33E-02	8.37E-06
PEN1_Cars	1	108883	Toluene	3.52E+00	4.02E-04
PEN1_Cars	1	1330207	Xylenes	2.93E+00	3.35E-04
COR1_Cars	2	75070	Acetaldehyde	1.06E-03	1.21E-07
COR1_Cars	2	107028	Acrolein	4.93E-04	5.63E-08
COR1_Cars	2	71432	Benzene	9.37E-03	1.07E-06
COR1_Cars	2	106990	1,3-Butadiene	2.09E-03	2.38E-07
COR1_Cars	2	100414	Ethylbenzene	3.99E-03	4.55E-07
COR1_Cars	2	50000	Formaldehyde	6.00E-03	6.85E-07
COR1_Cars	2	110543	Hexane	6.07E-03	6.93E-07
COR1_Cars	2	67561	Methanol	4.55E-04	5.20E-08
COR1_Cars	2	78933	Methyl Ethyl Ketone	7.59E-05	8.67E-09
COR1_Cars	2	91203	Naphthalene	1.90E-04	2.17E-08
COR1_Cars	2	115071	Propylene	1.16E-02	1.33E-06
COR1_Cars	2	100425	Styrene	4.55E-04	5.20E-08
COR1_Cars	2	108883	Toluene	2.19E-02	2.50E-06
COR1_Cars	2	1330207	Xylenes	1.82E-02	2.08E-06
COR2_Cars	3	75070	Acetaldehyde	1.81E-02	2.06E-06
COR2_Cars	3	107028	Acrolein	8.39E-03	9.58E-07
COR2_Cars	3	71432	Benzene	1.59E-01	1.82E-05
COR2_Cars	3	106990	1,3-Butadiene	3.55E-02	4.05E-06
COR2_Cars	3	100414	Ethylbenzene	6.77E-02	7.73E-06
COR2_Cars	3	50000	Formaldehyde	1.02E-01	1.16E-05
COR2_Cars	3	110543	Hexane	1.03E-01	1.18E-05
COR2_Cars	3	67561	Methanol	7.74E-03	8.84E-07
COR2_Cars	3	78933	Methyl Ethyl Ketone	1.29E-03	1.47E-07
COR2_Cars	3	91203	Naphthalene	3.23E-03	3.68E-07
COR2_Cars	3	115071	Propylene	1.97E-01	2.25E-05
COR2_Cars	3	100425	Styrene	7.74E-03	8.84E-07
COR2_Cars	3	108883	Toluene	3.72E-01	4.24E-05
COR2_Cars	3	1330207	Xylenes	3.10E-01	3.54E-05
PEN2_Cars	4	75070	Acetaldehyde	1.95E-02	2.22E-06
PEN2_Cars	4	107028	Acrolein	9.05E-03	1.03E-06
PEN2_Cars	4	71432	Benzene	1.72E-01	1.96E-05
PEN2_Cars	4	106990	1,3-Butadiene	3.83E-02	4.37E-06
PEN2_Cars	4	100414	Ethylbenzene	7.31E-02	8.34E-06
PEN2_Cars	4	50000	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	78933	Methyl Ethyl Ketone	1.39E-03	1.59E-07
PEN2_Cars	4	91203	Naphthalene	3.48E-03	3.97E-07
PEN2_Cars	4	115071	Propylene	2.13E-01	2.43E-05
PEN2_Cars	4	100425	Styrene	8.35E-03	9.53E-07
PEN2_Cars	4	108883	Toluene	4.01E-01	4.58E-05
PEN2_Cars	4	1330207	Xylenes	3.34E-01	3.81E-05
HY01_Cars	5	75070	Acetaldehyde	2.37E-02	2.71E-06
HY01_Cars	5	107028	Acrolein	1.10E-02	1.26E-06
HY01_Cars	5	71432	Benzene	2.09E-01	2.39E-05
HY01_Cars	5	106990	1,3-Butadiene	4.66E-02	5.32E-06
HY01_Cars	5	100414	Ethylbenzene	8.90E-02	1.02E-05
HY01_Cars	5	50000	Formaldehyde	1.34E-01	1.53E-05
HY01_Cars	5	110543	Hexane	1.36E-01	1.55E-05
HY01_Cars	5	67561	Methanol	1.02E-02	1.16E-06
HY01_Cars	5	78933	Methyl Ethyl Ketone	1.70E-03	1.94E-07
HY01_Cars	5	91203	Naphthalene	4.24E-03	4.84E-07
HY01_Cars	5	115071	Propylene	2.59E-01	2.96E-05
HY01_Cars	5	100425	Styrene	1.02E-02	1.16E-06
HY01_Cars	5	108883	Toluene	4.88E-01	5.57E-05
HY01_Cars	5	1330207	Xylenes	4.07E-01	4.64E-05
HY02_Cars	6	75070	Acetaldehyde	3.79E-02	4.33E-06
HY02_Cars	6	107028	Acrolein	1.76E-02	2.01E-06
HY02_Cars	6	71432	Benzene	3.34E-01	3.82E-05
HY02_Cars	6	106990	1,3-Butadiene	7.45E-02	8.50E-06
HY02_Cars	6	100414	Ethylbenzene	1.42E-01	1.62E-05
HY02_Cars	6	50000	Formaldehyde	2.14E-01	2.44E-05
HY02_Cars	6	110543	Hexane	2.17E-01	2.47E-05
HY02_Cars	6	67561	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	100425	Styrene	1.62E-02	1.85E-06
HY02_Cars	6	108883	Toluene	7.80E-01	8.90E-05
HY02_Cars	6	1330207	Xylenes	6.50E-01	7.42E-05
PEN3_Cars	7	75070	Acetaldehyde	1.91E-02	2.18E-06
PEN3_Cars	7	107028	Acrolein	8.88E-03	1.01E-06
PEN3_Cars	7	71432	Benzene	1.69E-01	1.93E-05
PEN3_Cars	7	106990	1,3-Butadiene	3.76E-02	4.29E-06
PEN3_Cars	7	100414	Ethylbenzene	7.17E-02	8.19E-06
PEN3_Cars	7	50000	Formaldehyde	1.08E-01	1.23E-05
PEN3_Cars	7	110543	Hexane	1.09E-01	1.25E-05
PEN3_Cars	7	67561	Methanol	8.20E-03	9.36E-07
PEN3_Cars	7	78933	Methyl Ethyl Ketone	1.37E-03	1.56E-07
PEN3_Cars	7	91203	Naphthalene	3.42E-03	3.90E-07
PEN3_Cars	7	115071	Propylene	2.09E-01	2.39E-05
PEN3_Cars	7	100425	Styrene	8.20E-03	9.36E-07

PEN3_Cars	7	108883	Toluene	3.94E-01	4.49E-05
PEN3_Cars	7	1330207	Xylenes	3.28E-01	3.74E-05
PEN4_Cars	8	75070	Acetaldehyde	2.62E-02	2.99E-06
PEN4_Cars	8	107028	Acrolein	1.22E-02	1.39E-06
PEN4_Cars	8	71432	Benzene	2.31E-01	2.64E-05
PEN4_Cars	8	106990	1,3-Butadiene	5.15E-02	5.88E-06
PEN4_Cars	8	100414	Ethylbenzene	9.83E-02	1.12E-05
PEN4_Cars	8	50000	Formaldehyde	1.48E-01	1.69E-05
PEN4_Cars	8	110543	Hexane	1.50E-01	1.71E-05
PEN4_Cars	8	67561	Methanol	1.12E-02	1.28E-06
PEN4_Cars	8	78933	Methyl Ethyl Ketone	1.87E-03	2.14E-07
PEN4_Cars	8	91203	Naphthalene	4.68E-03	5.34E-07
PEN4_Cars	8	115071	Propylene	2.86E-01	3.27E-05
PEN4_Cars	8	100425	Styrene	1.12E-02	1.28E-06
PEN4_Cars	8	108883	Toluene	5.39E-01	6.16E-05
PEN4_Cars	8	1330207	Xylenes	4.49E-01	5.13E-05
WTX1_Cars	9	75070	Acetaldehyde	7.08E-03	8.09E-07
WTX1_Cars	9	107028	Acrolein	3.29E-03	3.75E-07
WTX1_Cars	9	71432	Benzene	6.25E-02	7.13E-06
WTX1_Cars	9	106990	1,3-Butadiene	1.39E-02	1.59E-06
WTX1_Cars	9	100414	Ethylbenzene	2.66E-02	3.03E-06
WTX1_Cars	9	50000	Formaldehyde	4.00E-02	4.56E-06
WTX1_Cars	9	110543	Hexane	4.05E-02	4.62E-06
WTX1_Cars	9	67561	Methanol	3.04E-03	3.47E-07
WTX1_Cars	9	78933	Methyl Ethyl Ketone	5.06E-04	5.78E-08
WTX1_Cars	9	91203	Naphthalene	1.27E-03	1.44E-07
WTX1_Cars	9	115071	Propylene	7.74E-02	8.84E-06
WTX1_Cars	9	100425	Styrene	3.04E-03	3.47E-07
WTX1_Cars	9	108883	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	107028	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	100414	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	67561	Methanol	1.05E-02	1.20E-06
BEK1_Cars	10	78933	Methyl Ethyl Ketone	1.75E-03	1.99E-07
BEK1_Cars	10	91203	Naphthalene	4.36E-03	4.98E-07
BEK1_Cars	10	115071	Propylene	2.67E-01	3.05E-05
BEK1_Cars	10	100425	Styrene	1.05E-02	1.20E-06
BEK1_Cars	10	108883	Toluene	5.03E-01	5.74E-05
BEK1_Cars	10	1330207	Xylenes	4.19E-01	4.78E-05
BEK2_Cars	11	75070	Acetaldehyde	2.44E-02	2.79E-06
BEK2_Cars	11	107028	Acrolein	1.13E-02	1.30E-06
BEK2_Cars	11	71432	Benzene	2.16E-01	2.46E-05

BEK2_Cars	11	106990	1,3-Butadiene	4.80E-02	5.48E-06
BEK2_Cars	11	100414	Ethylbenzene	9.17E-02	1.05E-05
BEK2_Cars	11	50000	Formaldehyde	1.38E-01	1.57E-05
BEK2_Cars	11	110543	Hexane	1.40E-01	1.59E-05
BEK2_Cars	11	67561	Methanol	1.05E-02	1.20E-06
BEK2_Cars	11	78933	Methyl Ethyl Ketone	1.75E-03	1.99E-07
BEK2_Cars	11	91203	Naphthalene	4.36E-03	4.98E-07
BEK2_Cars	11	115071	Propylene	2.67E-01	3.05E-05
BEK2_Cars	11	100425	Styrene	1.05E-02	1.20E-06
BEK2_Cars	11	108883	Toluene	5.03E-01	5.74E-05
BEK2_Cars	11	1330207	Xylenes	4.19E-01	4.78E-05
COR3_Cars	12	75070	Acetaldehyde	3.54E-03	4.04E-07
COR3_Cars	12	107028	Acrolein	1.64E-03	1.88E-07
COR3_Cars	12	71432	Benzene	3.12E-02	3.57E-06
COR3_Cars	12	106990	1,3-Butadiene	6.96E-03	7.94E-07
COR3_Cars	12	100414	Ethylbenzene	1.33E-02	1.52E-06
COR3_Cars	12	50000	Formaldehyde	2.00E-02	2.28E-06
COR3_Cars	12	110543	Hexane	2.02E-02	2.31E-06
COR3_Cars	12	67561	Methanol	1.52E-03	1.73E-07
COR3_Cars	12	78933	Methyl Ethyl Ketone	2.53E-04	2.89E-08
COR3_Cars	12	91203	Naphthalene	6.33E-04	7.22E-08
COR3_Cars	12	115071	Propylene	3.87E-02	4.42E-06
COR3_Cars	12	100425	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	71432	Benzene	8.12E-02	9.27E-06
BEK3_Cars	13	106990	1,3-Butadiene	1.81E-02	2.07E-06
BEK3_Cars	13	100414	Ethylbenzene	3.45E-02	3.94E-06
BEK3_Cars	13	50000	Formaldehyde	5.20E-02	5.93E-06
BEK3_Cars	13	110543	Hexane	5.26E-02	6.01E-06
BEK3_Cars	13	67561	Methanol	3.95E-03	4.51E-07
BEK3_Cars	13	78933	Methyl Ethyl Ketone	6.58E-04	7.51E-08
BEK3_Cars	13	91203	Naphthalene	1.64E-03	1.88E-07
BEK3_Cars	13	115071	Propylene	1.01E-01	1.15E-05
BEK3_Cars	13	100425	Styrene	3.95E-03	4.51E-07
BEK3_Cars	13	108883	Toluene	1.89E-01	2.16E-05
BEK3_Cars	13	1330207	Xylenes	1.58E-01	1.80E-05
BEK4_Cars	14	75070	Acetaldehyde	3.54E-03	4.04E-07
BEK4_Cars	14	107028	Acrolein	1.64E-03	1.88E-07
BEK4_Cars	14	71432	Benzene	3.12E-02	3.57E-06
BEK4_Cars	14	106990	1,3-Butadiene	6.96E-03	7.94E-07
BEK4_Cars	14	100414	Ethylbenzene	1.33E-02	1.52E-06
BEK4_Cars	14	50000	Formaldehyde	2.00E-02	2.28E-06
BEK4_Cars	14	110543	Hexane	2.02E-02	2.31E-06
BEK4_Cars	14	67561	Methanol	1.52E-03	1.73E-07

BEK4_Cars	14	78933	Methyl Ethyl Ketone	2.53E-04	2.89E-08
BEK4_Cars	14	91203	Naphthalene	6.33E-04	7.22E-08
BEK4_Cars	14	115071	Propylene	3.87E-02	4.42E-06
BEK4_Cars	14	100425	Styrene	1.52E-03	1.73E-07
BEK4_Cars	14	108883	Toluene	7.29E-02	8.32E-06
BEK4_Cars	14	1330207	Xylenes	6.07E-02	6.93E-06
BEK5_Cars	15	75070	Acetaldehyde	5.67E-03	6.47E-07
BEK5_Cars	15	107028	Acrolein	2.63E-03	3.00E-07
BEK5_Cars	15	71432	Benzene	5.00E-02	5.71E-06
BEK5_Cars	15	106990	1,3-Butadiene	1.11E-02	1.27E-06
BEK5_Cars	15	100414	Ethylbenzene	2.13E-02	2.43E-06
BEK5_Cars	15	50000	Formaldehyde	3.20E-02	3.65E-06
BEK5_Cars	15	110543	Hexane	3.24E-02	3.70E-06
BEK5_Cars	15	67561	Methanol	2.43E-03	2.77E-07
BEK5_Cars	15	78933	Methyl Ethyl Ketone	4.05E-04	4.62E-08
BEK5_Cars	15	91203	Naphthalene	1.01E-03	1.16E-07
BEK5_Cars	15	115071	Propylene	6.19E-02	7.07E-06
BEK5_Cars	15	100425	Styrene	2.43E-03	2.77E-07
BEK5_Cars	15	108883	Toluene	1.17E-01	1.33E-05
BEK5_Cars	15	1330207	Xylenes	9.72E-02	1.11E-05
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	100414	Ethylbenzene	0.00E+00	0.00E+00
CBN1_Cars	16	50000	Formaldehyde	0.00E+00	0.00E+00
CBN1_Cars	16	110543	Hexane	0.00E+00	0.00E+00
CBN1_Cars	16	67561	Methanol	0.00E+00	0.00E+00
CBN1_Cars	16	78933	Methyl Ethyl Ketone	0.00E+00	0.00E+00
CBN1_Cars	16	91203	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	Xylenes	0.00E+00	0.00E+00
CBN2_Cars	17	75070	Acetaldehyde	0.00E+00	0.00E+00
CBN2_Cars	17	107028	Acrolein	0.00E+00	0.00E+00
CBN2_Cars	17	71432	Benzene	0.00E+00	0.00E+00
CBN2_Cars	17	106990	1,3-Butadiene	0.00E+00	0.00E+00
CBN2_Cars	17	100414	Ethylbenzene	0.00E+00	0.00E+00
CBN2_Cars	17	50000	Formaldehyde	0.00E+00	0.00E+00
CBN2_Cars	17	110543	Hexane	0.00E+00	0.00E+00
CBN2_Cars	17	67561	Methanol	0.00E+00	0.00E+00
CBN2_Cars	17	78933	Methyl Ethyl Ketone	0.00E+00	0.00E+00
CBN2_Cars	17	91203	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	Xylenes	0.00E+00	0.00E+00
HY03_Cars	18	75070	Acetaldehyde	2.09E-02	2.39E-06
HY03_Cars	18	107028	Acrolein	9.70E-03	1.11E-06
HY03_Cars	18	71432	Benzene	1.84E-01	2.10E-05
HY03_Cars	18	106990	1,3-Butadiene	4.11E-02	4.69E-06
HY03_Cars	18	100414	Ethylbenzene	7.84E-02	8.95E-06
HY03_Cars	18	50000	Formaldehyde	1.18E-01	1.35E-05
HY03_Cars	18	110543	Hexane	1.19E-01	1.36E-05
HY03_Cars	18	67561	Methanol	8.96E-03	1.02E-06
HY03_Cars	18	78933	Methyl Ethyl Ketone	1.49E-03	1.70E-07
HY03_Cars	18	91203	Naphthalene	3.73E-03	4.26E-07
HY03_Cars	18	115071	Propylene	2.28E-01	2.61E-05
HY03_Cars	18	100425	Styrene	8.96E-03	1.02E-06
HY03_Cars	18	108883	Toluene	4.30E-01	4.91E-05
HY03_Cars	18	1330207	Xylenes	3.58E-01	4.09E-05
HY04_Cars	19	75070	Acetaldehyde	1.77E-03	2.02E-07
HY04_Cars	19	107028	Acrolein	8.22E-04	9.39E-08
HY04_Cars	19	71432	Benzene	1.56E-02	1.78E-06
HY04_Cars	19	106990	1,3-Butadiene	3.48E-03	3.97E-07
HY04_Cars	19	100414	Ethylbenzene	6.64E-03	7.58E-07
HY04_Cars	19	50000	Formaldehyde	9.99E-03	1.14E-06
HY04_Cars	19	110543	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	91203	Naphthalene	3.16E-04	3.61E-08
HY04_Cars	19	115071	Propylene	1.94E-02	2.21E-06
HY04_Cars	19	100425	Styrene	7.59E-04	8.67E-08
HY04_Cars	19	108883	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	107028	Acrolein	1.25E-02	1.43E-06
HY05_Cars	20	71432	Benzene	2.37E-01	2.71E-05
HY05_Cars	20	106990	1,3-Butadiene	5.29E-02	6.04E-06
HY05_Cars	20	100414	Ethylbenzene	1.01E-01	1.15E-05
HY05_Cars	20	50000	Formaldehyde	1.52E-01	1.73E-05
HY05_Cars	20	110543	Hexane	1.54E-01	1.76E-05
HY05_Cars	20	67561	Methanol	1.15E-02	1.32E-06
HY05_Cars	20	78933	Methyl Ethyl Ketone	1.92E-03	2.20E-07
HY05_Cars	20	91203	Naphthalene	4.81E-03	5.49E-07
HY05_Cars	20	115071	Propylene	2.94E-01	3.36E-05
HY05_Cars	20	100425	Styrene	1.15E-02	1.32E-06
HY05_Cars	20	108883	Toluene	5.54E-01	6.32E-05
HY05_Cars	20	1330207	Xylenes	4.62E-01	5.27E-05
HY06_Cars	21	75070	Acetaldehyde	3.72E-02	4.25E-06
HY06_Cars	21	107028	Acrolein	1.73E-02	1.97E-06
HY06_Cars	21	71432	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	50000	Formaldehyde	2.10E-01	2.40E-05
HY06_Cars	21	110543	Hexane	2.13E-01	2.43E-05
HY06_Cars	21	67561	Methanol	1.59E-02	1.82E-06
HY06_Cars	21	78933	Methyl Ethyl Ketone	2.66E-03	3.03E-07
HY06_Cars	21	91203	Naphthalene	6.64E-03	7.58E-07
HY06_Cars	21	115071	Propylene	4.06E-01	4.64E-05
HY06_Cars	21	100425	Styrene	1.59E-02	1.82E-06
HY06_Cars	21	108883	Toluene	7.65E-01	8.73E-05
HY06_Cars	21	1330207	Xylenes	6.38E-01	7.28E-05
PEN1_Trucks	22	75070	Acetaldehyde	5.17E-01	5.90E-05
PEN1_Trucks	22	107028	Acrolein	2.40E-01	2.74E-05
PEN1_Trucks	22	71432	Benzene	4.56E+00	5.21E-04
PEN1_Trucks	22	106990	1,3-Butadiene	1.02E+00	1.16E-04
PEN1_Trucks	22	100414	Ethylbenzene	1.94E+00	2.21E-04
PEN1_Trucks	22	50000	Formaldehyde	2.92E+00	3.33E-04
PEN1_Trucks	22	110543	Hexane	2.95E+00	3.37E-04
PEN1_Trucks	22	67561	Methanol	2.22E-01	2.53E-05
PEN1_Trucks	22	78933	Methyl Ethyl Ketone	3.69E-02	4.22E-06
PEN1_Trucks	22	91203	Naphthalene	9.23E-02	1.05E-05
PEN1_Trucks	22	115071	Propylene	5.65E+00	6.45E-04
PEN1_Trucks	22	100425	Styrene	2.22E-01	2.53E-05
PEN1_Trucks	22	108883	Toluene	1.06E+01	1.21E-03
PEN1_Trucks	22	1330207	Xylenes	8.86E+00	1.01E-03
COR1_Trucks	23	75070	Acetaldehyde	3.21E-03	3.67E-07
COR1_Trucks	23	107028	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	67561	Methanol	1.38E-03	1.57E-07
COR1_Trucks	23	78933	Methyl Ethyl Ketone	2.29E-04	2.62E-08
COR1_Trucks	23	91203	Naphthalene	5.73E-04	6.55E-08
COR1_Trucks	23	115071	Propylene	3.51E-02	4.01E-06
COR1_Trucks	23	100425	Styrene	1.38E-03	1.57E-07
COR1_Trucks	23	108883	Toluene	6.61E-02	7.54E-06
COR1_Trucks	23	1330207	Xylenes	5.51E-02	6.28E-06
COR2_Trucks	24	75070	Acetaldehyde	5.46E-02	6.23E-06
COR2_Trucks	24	107028	Acrolein	2.53E-02	2.89E-06
COR2_Trucks	24	71432	Benzene	4.82E-01	5.50E-05
COR2_Trucks	24	106990	1,3-Butadiene	1.07E-01	1.22E-05
COR2_Trucks	24	100414	Ethylbenzene	2.05E-01	2.34E-05
COR2_Trucks	24	50000	Formaldehyde	3.08E-01	3.52E-05
COR2_Trucks	24	110543	Hexane	3.12E-01	3.56E-05
COR2_Trucks	24	67561	Methanol	2.34E-02	2.67E-06
COR2_Trucks	24	78933	Methyl Ethyl Ketone	3.90E-03	4.45E-07

COR2_Trucks	24	91203	Naphthalene	9.75E-03	1.11E-06
COR2_Trucks	24	115071	Propylene	5.97E-01	6.81E-05
COR2_Trucks	24	100425	Styrene	2.34E-02	2.67E-06
COR2_Trucks	24	108883	Toluene	1.12E+00	1.28E-04
COR2_Trucks	24	1330207	Xylenes	9.36E-01	1.07E-04
PEN2_Trucks	25	75070	Acetaldehyde	5.89E-02	6.72E-06
PEN2_Trucks	25	107028	Acrolein	2.73E-02	3.12E-06
PEN2_Trucks	25	71432	Benzene	5.19E-01	5.93E-05
PEN2_Trucks	25	106990	1,3-Butadiene	1.16E-01	1.32E-05
PEN2_Trucks	25	100414	Ethylbenzene	2.21E-01	2.52E-05
PEN2_Trucks	25	50000	Formaldehyde	3.32E-01	3.79E-05
PEN2_Trucks	25	110543	Hexane	3.36E-01	3.84E-05
PEN2_Trucks	25	67561	Methanol	2.52E-02	2.88E-06
PEN2_Trucks	25	78933	Methyl Ethyl Ketone	4.21E-03	4.80E-07
PEN2_Trucks	25	91203	Naphthalene	1.05E-02	1.20E-06
PEN2_Trucks	25	115071	Propylene	6.43E-01	7.35E-05
PEN2_Trucks	25	100425	Styrene	2.52E-02	2.88E-06
PEN2_Trucks	25	108883	Toluene	1.21E+00	1.38E-04
PEN2_Trucks	25	1330207	Xylenes	1.01E+00	1.15E-04
HY01_Trucks	26	75070	Acetaldehyde	7.17E-02	8.19E-06
HY01_Trucks	26	107028	Acrolein	3.33E-02	3.80E-06
HY01_Trucks	26	71432	Benzene	6.33E-01	7.22E-05
HY01_Trucks	26	106990	1,3-Butadiene	1.41E-01	1.61E-05
HY01_Trucks	26	100414	Ethylbenzene	2.69E-01	3.07E-05
HY01_Trucks	26	50000	Formaldehyde	4.05E-01	4.62E-05
HY01_Trucks	26	110543	Hexane	4.10E-01	4.68E-05
HY01_Trucks	26	67561	Methanol	3.07E-02	3.51E-06
HY01_Trucks	26	78933	Methyl Ethyl Ketone	5.12E-03	5.85E-07
HY01_Trucks	26	91203	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	3.51E-06
HY01_Trucks	26	108883	Toluene	1.48E+00	1.68E-04
HY01_Trucks	26	1330207	Xylenes	1.23E+00	1.40E-04
HY02_Trucks	27	75070	Acetaldehyde	1.15E-01	1.31E-05
HY02_Trucks	27	107028	Acrolein	5.32E-02	6.07E-06
HY02_Trucks	27	71432	Benzene	1.01E+00	1.15E-04
HY02_Trucks	27	106990	1,3-Butadiene	2.25E-01	2.57E-05
HY02_Trucks	27	100414	Ethylbenzene	4.30E-01	4.90E-05
HY02_Trucks	27	50000	Formaldehyde	6.46E-01	7.38E-05
HY02_Trucks	27	110543	Hexane	6.55E-01	7.47E-05
HY02_Trucks	27	67561	Methanol	4.91E-02	5.60E-06
HY02_Trucks	27	78933	Methyl Ethyl Ketone	8.18E-03	9.34E-07
HY02_Trucks	27	91203	Naphthalene	2.05E-02	2.33E-06
HY02_Trucks	27	115071	Propylene	1.25E+00	1.43E-04
HY02_Trucks	27	100425	Styrene	4.91E-02	5.60E-06
HY02_Trucks	27	108883	Toluene	2.36E+00	2.69E-04
HY02_Trucks	27	1330207	Xylenes	1.96E+00	2.24E-04

PEN3_Trucks	28	75070	Acetaldehyde	5.78E-02	6.60E-06
PEN3_Trucks	28	107028	Acrolein	2.68E-02	3.06E-06
PEN3_Trucks	28	71432	Benzene	5.10E-01	5.82E-05
PEN3_Trucks	28	106990	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	91203	Naphthalene	1.03E-02	1.18E-06
PEN3_Trucks	28	115071	Propylene	6.32E-01	7.21E-05
PEN3_Trucks	28	100425	Styrene	2.48E-02	2.83E-06
PEN3_Trucks	28	108883	Toluene	1.19E+00	1.36E-04
PEN3_Trucks	28	1330207	Xylenes	9.91E-01	1.13E-04
PEN4_Trucks	29	75070	Acetaldehyde	7.92E-02	9.04E-06
PEN4_Trucks	29	107028	Acrolein	3.68E-02	4.20E-06
PEN4_Trucks	29	71432	Benzene	6.99E-01	7.98E-05
PEN4_Trucks	29	106990	1,3-Butadiene	1.56E-01	1.78E-05
PEN4_Trucks	29	100414	Ethylbenzene	2.97E-01	3.39E-05
PEN4_Trucks	29	50000	Formaldehyde	4.47E-01	5.10E-05
PEN4_Trucks	29	110543	Hexane	4.53E-01	5.17E-05
PEN4_Trucks	29	67561	Methanol	3.39E-02	3.88E-06
PEN4_Trucks	29	78933	Methyl Ethyl Ketone	5.66E-03	6.46E-07
PEN4_Trucks	29	91203	Naphthalene	1.41E-02	1.61E-06
PEN4_Trucks	29	115071	Propylene	8.66E-01	9.88E-05
PEN4_Trucks	29	100425	Styrene	3.39E-02	3.88E-06
PEN4_Trucks	29	108883	Toluene	1.63E+00	1.86E-04
PEN4_Trucks	29	1330207	Xylenes	1.36E+00	1.55E-04
WTX1_Trucks	30	75070	Acetaldehyde	2.14E-02	2.44E-06
WTX1_Trucks	30	107028	Acrolein	9.94E-03	1.13E-06
WTX1_Trucks	30	71432	Benzene	1.89E-01	2.16E-05
WTX1_Trucks	30	106990	1,3-Butadiene	4.21E-02	4.80E-06
WTX1_Trucks	30	100414	Ethylbenzene	8.03E-02	9.16E-06
WTX1_Trucks	30	50000	Formaldehyde	1.21E-01	1.38E-05
WTX1_Trucks	30	110543	Hexane	1.22E-01	1.40E-05
WTX1_Trucks	30	67561	Methanol	9.18E-03	1.05E-06
WTX1_Trucks	30	78933	Methyl Ethyl Ketone	1.53E-03	1.75E-07
WTX1_Trucks	30	91203	Naphthalene	3.82E-03	4.36E-07
WTX1_Trucks	30	115071	Propylene	2.34E-01	2.67E-05
WTX1_Trucks	30	100425	Styrene	9.18E-03	1.05E-06
WTX1_Trucks	30	108883	Toluene	4.40E-01	5.03E-05
WTX1_Trucks	30	1330207	Xylenes	3.67E-01	4.19E-05
BEK1_Trucks	31	75070	Acetaldehyde	7.39E-02	8.43E-06
BEK1_Trucks	31	107028	Acrolein	3.43E-02	3.91E-06
BEK1_Trucks	31	71432	Benzene	6.52E-01	7.44E-05
BEK1_Trucks	31	106990	1,3-Butadiene	1.45E-01	1.66E-05
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	110543	Hexane	4.22E-01	4.82E-05
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	91203	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	108883	Toluene	1.52E+00	1.73E-04
BEK1_Trucks	31	1330207	Xylenes	1.27E+00	1.45E-04
BEK2_Trucks	32	75070	Acetaldehyde	7.39E-02	8.43E-06
BEK2_Trucks	32	107028	Acrolein	3.43E-02	3.91E-06
BEK2_Trucks	32	71432	Benzene	6.52E-01	7.44E-05
BEK2_Trucks	32	106990	1,3-Butadiene	1.45E-01	1.66E-05
BEK2_Trucks	32	100414	Ethylbenzene	2.77E-01	3.16E-05
BEK2_Trucks	32	50000	Formaldehyde	4.17E-01	4.76E-05
BEK2_Trucks	32	110543	Hexane	4.22E-01	4.82E-05
BEK2_Trucks	32	67561	Methanol	3.17E-02	3.61E-06
BEK2_Trucks	32	78933	Methyl Ethyl Ketone	5.28E-03	6.02E-07
BEK2_Trucks	32	91203	Naphthalene	1.32E-02	1.51E-06
BEK2_Trucks	32	115071	Propylene	8.07E-01	9.21E-05
BEK2_Trucks	32	100425	Styrene	3.17E-02	3.61E-06
BEK2_Trucks	32	108883	Toluene	1.52E+00	1.73E-04
BEK2_Trucks	32	1330207	Xylenes	1.27E+00	1.45E-04
HY04_Cars	19	75070	Acetaldehyde	5.35E-03	6.11E-07
COR3_Trucks	33	107028	Acrolein	4.97E-03	5.67E-07
COR3_Trucks	33	71432	Benzene	9.44E-02	1.08E-05
COR3_Trucks	33	106990	1,3-Butadiene	2.10E-02	2.40E-06
COR3_Trucks	33	100414	Ethylbenzene	4.01E-02	4.58E-06
COR3_Trucks	33	50000	Formaldehyde	6.04E-02	6.90E-06
COR3_Trucks	33	110543	Hexane	6.12E-02	6.98E-06
COR3_Trucks	33	67561	Methanol	4.59E-03	5.24E-07
COR3_Trucks	33	78933	Methyl Ethyl Ketone	7.65E-04	8.73E-08
COR3_Trucks	33	91203	Naphthalene	1.91E-03	2.18E-07
COR3_Trucks	33	115071	Propylene	1.17E-01	1.34E-05
COR3_Trucks	33	100425	Styrene	4.59E-03	5.24E-07
COR3_Trucks	33	108883	Toluene	2.20E-01	2.51E-05
COR3_Trucks	33	1330207	Xylenes	1.84E-01	2.09E-05
BEK3_Trucks	34	75070	Acetaldehyde	2.78E-02	3.18E-06
BEK3_Trucks	34	107028	Acrolein	1.29E-02	1.48E-06
BEK3_Trucks	34	71432	Benzene	2.46E-01	2.80E-05
BEK3_Trucks	34	106990	1,3-Butadiene	5.47E-02	6.24E-06
BEK3_Trucks	34	100414	Ethylbenzene	1.04E-01	1.19E-05
BEK3_Trucks	34	50000	Formaldehyde	1.57E-01	1.79E-05
BEK3_Trucks	34	110543	Hexane	1.59E-01	1.82E-05
BEK3_Trucks	34	67561	Methanol	1.19E-02	1.36E-06
BEK3_Trucks	34	78933	Methyl Ethyl Ketone	1.99E-03	2.27E-07
BEK3_Trucks	34	91203	Naphthalene	4.97E-03	5.67E-07

BEK3_Trucks	34	115071	Propylene	3.04E-01	3.47E-05
BEK3_Trucks	34	100425	Styrene	1.19E-02	1.36E-06
BEK3_Trucks	34	108883	Toluene	5.73E-01	6.54E-05
BEK3_Trucks	34	1330207	Xylenes	4.77E-01	5.45E-05
BEK4_Trucks	35	75070	Acetaldehyde	1.07E-02	1.22E-06
BEK4_Trucks	35	107028	Acrolein	4.97E-03	5.67E-07
BEK4_Trucks	35	71432	Benzene	9.44E-02	1.08E-05
BEK4_Trucks	35	106990	1,3-Butadiene	2.10E-02	2.40E-06
BEK4_Trucks	35	100414	Ethylbenzene	4.01E-02	4.58E-06
BEK4_Trucks	35	50000	Formaldehyde	6.04E-02	6.90E-06
BEK4_Trucks	35	110543	Hexane	6.12E-02	6.98E-06
BEK4_Trucks	35	67561	Methanol	4.59E-03	5.24E-07
BEK4_Trucks	35	78933	Methyl Ethyl Ketone	7.65E-04	8.73E-08
BEK4_Trucks	35	91203	Naphthalene	1.91E-03	2.18E-07
BEK4_Trucks	35	115071	Propylene	1.17E-01	1.34E-05
BEK4_Trucks	35	100425	Styrene	4.59E-03	5.24E-07
BEK4_Trucks	35	108883	Toluene	2.20E-01	2.51E-05
BEK4_Trucks	35	1330207	Xylenes	1.84E-01	2.09E-05
BEK5_Trucks	36	75070	Acetaldehyde	1.71E-02	1.96E-06
BEK5_Trucks	36	107028	Acrolein	7.95E-03	9.08E-07
BEK5_Trucks	36	71432	Benzene	1.51E-01	1.72E-05
BEK5_Trucks	36	106990	1,3-Butadiene	3.36E-02	3.84E-06
BEK5_Trucks	36	100414	Ethylbenzene	6.42E-02	7.33E-06
BEK5_Trucks	36	50000	Formaldehyde	9.66E-02	1.10E-05
BEK5_Trucks	36	110543	Hexane	9.79E-02	1.12E-05
BEK5_Trucks	36	67561	Methanol	7.34E-03	8.38E-07
BEK5_Trucks	36	78933	Methyl Ethyl Ketone	1.22E-03	1.40E-07
BEK5_Trucks	36	91203	Naphthalene	3.06E-03	3.49E-07
BEK5_Trucks	36	115071	Propylene	1.87E-01	2.14E-05
BEK5_Trucks	36	100425	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	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	78933	Methyl Ethyl Ketone	0.00E+00	0.00E+00
CBN1_Trucks	37	91203	Naphthalene	0.00E+00	0.00E+00
CBN1_Trucks	37	115071	Propylene	0.00E+00	0.00E+00
CBN1_Trucks	37	100425	Styrene	0.00E+00	0.00E+00
CBN1_Trucks	37	108883	Toluene	0.00E+00	0.00E+00
CBN1_Trucks	37	1330207	Xylenes	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	50000	Formaldehyde	0.00E+00	0.00E+00
CBN2_Trucks	38	110543	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	6.32E-02	7.21E-06
HY03_Trucks	39	107028	Acrolein	2.93E-02	3.35E-06
HY03_Trucks	39	71432	Benzene	5.57E-01	6.36E-05
HY03_Trucks	39	106990	1,3-Butadiene	1.24E-01	1.42E-05
HY03_Trucks	39	100414	Ethylbenzene	2.37E-01	2.70E-05
HY03_Trucks	39	50000	Formaldehyde	3.56E-01	4.07E-05
HY03_Trucks	39	110543	Hexane	3.61E-01	4.12E-05
HY03_Trucks	39	67561	Methanol	2.71E-02	3.09E-06
HY03_Trucks	39	78933	Methyl Ethyl Ketone	4.51E-03	5.15E-07
HY03_Trucks	39	91203	Naphthalene	1.13E-02	1.29E-06
HY03_Trucks	39	115071	Propylene	6.90E-01	7.88E-05
HY03_Trucks	39	100425	Styrene	2.71E-02	3.09E-06
HY03_Trucks	39	108883	Toluene	1.30E+00	1.48E-04
HY03_Trucks	39	1330207	Xylenes	1.08E+00	1.24E-04
HY04_Trucks	40	75070	Acetaldehyde	5.35E-03	6.11E-07
HY04_Trucks	40	107028	Acrolein	2.48E-03	2.84E-07
HY04_Trucks	40	71432	Benzene	4.72E-02	5.39E-06
HY04_Trucks	40	106990	1,3-Butadiene	1.05E-02	1.20E-06
HY04_Trucks	40	100414	Ethylbenzene	2.01E-02	2.29E-06
HY04_Trucks	40	50000	Formaldehyde	3.02E-02	3.45E-06
HY04_Trucks	40	110543	Hexane	3.06E-02	3.49E-06
HY04_Trucks	40	67561	Methanol	2.29E-03	2.62E-07
HY04_Trucks	40	78933	Methyl Ethyl Ketone	3.82E-04	4.36E-08
HY04_Trucks	40	91203	Naphthalene	9.56E-04	1.09E-07
HY04_Trucks	40	115071	Propylene	5.85E-02	6.68E-06
HY04_Trucks	40	100425	Styrene	2.29E-03	2.62E-07
HY04_Trucks	40	108883	Toluene	1.10E-01	1.26E-05
HY04_Trucks	40	1330207	Xylenes	9.18E-02	1.05E-05
HY05_Trucks	41	75070	Acetaldehyde	8.14E-02	9.29E-06
HY05_Trucks	41	107028	Acrolein	3.78E-02	4.31E-06
HY05_Trucks	41	71432	Benzene	7.18E-01	8.19E-05
HY05_Trucks	41	106990	1,3-Butadiene	1.60E-01	1.82E-05
HY05_Trucks	41	100414	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 - Onsite)	
				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
GEN_D	3	9901	DieselExhPM	4.81E+00	0.00E+00
GEN_E	4	9901	DieselExhPM	4.81E+00	0.00E+00
GEN_F	5	9901	DieselExhPM	4.81E+00	0.00E+00
GEN_G	6	9901	DieselExhPM	4.81E+00	0.00E+00
FWP_A	7	9901	DieselExhPM	4.81E+00	0.00E+00
FWP_BC	8	9901	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	9901	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	9901	DieselExhPM	9.65E+01	0.00E+00
FLA	19	9901	DieselExhPM	3.93E+01	0.00E+00
FLB	20	9901	DieselExhPM	1.57E+02	0.00E+00
FLD	21	9901	DieselExhPM	3.26E+01	0.00E+00
FLE	22	9901	DieselExhPM	3.26E+01	0.00E+00
FLF	23	9901	DieselExhPM	3.26E+01	0.00E+00
FLG	24	9901	DieselExhPM	3.26E+01	0.00E+00
CARS	25	9901	DieselExhPM	3.31E+00	0.00E+00
TRUCKS	26	9901	DieselExhPM	6.06E+00	0.00E+00
CARS	25	75070	Acetaldehyde	1.12E+00	1.28E-04
CARS	25	107028	Acrolein	5.22E-01	5.95E-05
CARS	25	71432	Benzene	9.91E+00	1.13E-03
CARS	25	106990	1,3-Butadiene	2.21E+00	2.52E-04
CARS	25	100414	Ethylbenzene	4.21E+00	4.81E-04
CARS	25	50000	Formaldehyde	6.34E+00	7.24E-04
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	4.37E-01	4.99E-05
TRUCKS	26	107028	Acrolein	2.03E-01	2.31E-05
TRUCKS	26	71432	Benzene	3.85E+00	4.40E-04
TRUCKS	26	106990	1,3-Butadiene	8.58E-01	9.79E-05
TRUCKS	26	100414	Ethylbenzene	1.64E+00	1.87E-04
TRUCKS	26	50000	Formaldehyde	2.46E+00	2.81E-04
TRUCKS	26	110543	Hexane	2.50E+00	2.85E-04
TRUCKS	26	67561	Methanol	1.87E-01	2.14E-05
TRUCKS	26	78933	Methyl Ethyl Ketone	3.12E-02	3.56E-06
TRUCKS	26	91203	Naphthalene	7.80E-02	8.90E-06
TRUCKS	26	115071	Propylene	4.77E+00	5.45E-04
TRUCKS	26	100425	Styrene	1.87E-01	2.14E-05
TRUCKS	26	108883	Toluene	8.98E+00	1.03E-03
TRUCKS	26	1330207	Xylenes	7.49E+00	8.55E-04

Construction Road Segments (Cars) - MITRAIED

Route	Road Width (ft)	Road Width (m)	Base Elevation (feet)	SourceID	Line Volume	Release Height from (m)	Initial Lateral Dimension (m)	Initial Vertical Dimension (m)	# Volume Sources	Total Length (m)	g/s per vol (1 g/s)	Route	Multiplier (1-one way, 2-two-way)	Route	Notes
Henn Ave south from SR 12 and South to Project Entrance	30.00	15.24	varies - AERMAP	PER1	Adjacent	1.30	varies - based on plume	1.21	19	993.8	5.3625E-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	CO92	Adjacent	1.30	varies - based on plume	1.21	37	560.2	2.7027E-02	Inbound and Outbound	2	r3	All Constr
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	9.0999E-02	Inbound and Outbound	2	r3	All Constr
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%
SR 12 Westbound South 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	HW3	Adjacent	1.30	varies - based on plume	1.21	101	1535.1	9.9015E-03	Outbound	1	r2	60%
SR 12 Eastbound West of Chadbourne Rd and East of Beck Ave	30	9.14	varies - AERMAP	HW4	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	HW5	Adjacent	1.30	varies - based on plume	1.21	91	1370.9	1.0994E-02	Outbound	1	r2	60%
SR 12 Eastbound West of Beck Ave and East of Penn Ave	30	9.14	varies - AERMAP	HW6	Adjacent	1.30	varies - based on plume	1.21	91	1375.3	1.0964E-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	882.2	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%

2024		2025		2026		2024		2025		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)	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)	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)
1.10E+01	1.28E+00	1.87E+01	2.01E+00	1.20E+01	1.33E+00	3.26145E+06	8.85539E+06	4.06403E+06	1.20E+03	1.79E+03	1.12E+03	1.49E+01	1.62E+00	2.37E+01	2.56E+00	1.53E+01	1.69E+00
6.81E+00	7.90E+01	1.15E+01	1.24E+00	7.43E+00	8.20E+01	3.47905E+06	9.30295E+06	4.33514E+06	7.43E+04	1.10E+03	6.93E+04	5.71E+00	6.64E+01	9.66E+00	1.04E+00	6.23E+02	6.88E+01
5.71E+00	6.64E+01	9.66E+00	1.04E+00	6.23E+02	6.88E+01	5.01422E+07	1.35374E+06	6.24807E+07	6.20E+04	9.26E+04	5.81E+04	5.71E+00	6.64E+01	9.66E+00	1.05E+00	6.24E+02	6.90E+01
1.12E+01	1.30E+00	1.90E+01	2.05E+00	1.22E+01	1.35E+00	6.24274E+07	1.68544E+06	7.77892E+07	1.22E+03	1.82E+03	1.14E+03	1.12E+01	1.30E+00	1.90E+01	2.05E+00	1.22E+01	1.35E+00
1.13E+01	1.30E+00	1.90E+01	2.04E+00	1.22E+01	1.34E+00	6.19887E+07	1.67359E+06	7.72423E+07	1.22E+03	1.83E+03	1.15E+03	1.09E+01	1.14E+00	1.70E+01	1.83E+00	1.09E+01	1.21E+00
1.01E+01	1.17E+00	1.70E+01	1.84E+00	1.10E+01	1.21E+00	6.20751E+07	1.67992E+06	7.73500E+07	1.09E+03	1.63E+03	1.03E+03	6.51E+00	7.54E+01	1.10E+01	1.19E+00	7.09E+02	7.84E+01
6.53E+00	7.57E+01	1.10E+01	1.19E+00	7.12E+00	7.86E+01	5.02447E+07	1.35652E+06	6.24684E+07	7.09E+04	1.06E+03	6.64E+04						

Route Length	Beginnings 2024	meters	miles
Inbound East	452.0	2,937.94	
Outbound West	4043.2	2,5123.26	
Inbound South	2998.8	1,8632.44	
Outbound North	2992.8	1,8596.4	
Northern Route	5991.4	3,722883.1	
Hay 12 Route	8095.1	5,030962.2	
Penn Ave	2625.0	1,6374473.3	
Avg		4,374473	
Route %		40% r1	
		60% r2	
		100% r3	
Hours	Year		
Total Hours/12 months of Construction	2024	2460	2024
Total Hours/7 months of Construction	2025	1517	2025
Total Hours/10 months of Construction	2026	2167	2026

Construction Road Segments (Trucks) - MITIGATED

Road	Road Width (ft)	Road Width (m)	Base Elevation	SourceID	Line Volume Src Type	Height from 2023 BAAQMD	Initial Lateral Dimension (m)	Dimension (m) from 2023 BAAQMD	# Volume Sources	Total Length (m)	g/s per vol (1 g/s)	Route	Multiplier (1-one-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	3.40	varies - based on plume	3.16	19	393.8	5.2633E-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	3.40	varies - based on plume	3.16	37	500.2	2.7027E-02	Inbound and Outbound	2	r3	All Constr
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 Constr
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 Chabourne 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	r2	60%
SR 12 Eastbound West of Chabourne 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	r2	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	r2	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%

2024		2025		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)	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	1.40E+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			
6.34E-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			

Route Length	Beginning 2024	
	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	3.72283
Hay 12 Route	8095.1	5.030062
Penn Ave	7043.25	4.376473
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

Mitigated

CONSTRUCTION YEAR 2024

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	Penn Ave Southbound North from SR 12 and South of W Texas St	SR 12 Westbound West of Chadbourne Rd and East of Beck Ave	SR 12 Eastbound West of Chadbourne Rd and East of Beck Ave	SR 12 Westbound West of Beck Ave and East of Penn Ave	SR 12 Eastbound West of Beck Ave and East of Penn 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%	6.71E-03	8.52E-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	3.96E-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	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

Ib/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	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	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	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	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	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	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	2.84E-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	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	1.06E-05	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	2.00E-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

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	Penn Ave Southbound North from SR 12 and South of W Texas St	SR 12 Westbound West of Chadbourne Rd and East of Beck Ave	SR 12 Eastbound West of Chadbourne Rd and East of Beck Ave	SR 12 Westbound West of Beck Ave and East of Penn Ave	SR 12 Eastbound West of Beck Ave and East of Penn 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	5.23E-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	3.33E-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	3.38E-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	2.54E-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	1.17E-06	1.04E-06	1.04E-06	6.75E-07	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	5.95E-06	5.97E-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	1.33E-06	1.33E-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	2.53E-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	3.85E-06	3.87E-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	4.82E-08	4.83E-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	7.37E-06	7.40E-06
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	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

Mitigated

CONSTRUCTION YEAR 2026

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	Penn Ave Southbound North from SR 12 and South of W Texas St	SR 12 Westbound West of Chadbourne Rd and East of Beck Ave	SR 12 Eastbound West of Chadbourne Rd and East of Beck Ave	SR 12 Westbound West of Beck Ave and East of Penn Ave	SR 12 Eastbound West of Beck Ave and East of Penn 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%	6.29E-03	7.99E-03	3.88E-03	3.26E-03	3.27E-03	6.40E-03	6.41E-03	5.71E-03	5.73E-03	3.71E-03	3.72E-03
Acrolein	0.13%	2.92E-03	3.71E-03	1.80E-03	1.51E-03	1.52E-03	2.97E-03	2.98E-03	2.65E-03	2.66E-03	1.72E-03	1.73E-03
Benzene	2.47%	5.55E-02	7.04E-02	3.42E-02	2.87E-02	2.88E-02	5.64E-02	5.66E-02	5.04E-02	5.06E-02	3.27E-02	3.28E-02
1,3-Butadiene	0.55%	1.23E-02	1.57E-02	7.63E-03	6.40E-03	6.41E-03	1.26E-02	1.26E-02	1.12E-02	1.13E-02	7.29E-03	7.31E-03
Ethylbenzene	1.05%	2.36E-02	2.99E-02	1.46E-02	1.22E-02	1.22E-02	2.40E-02	2.41E-02	2.14E-02	2.15E-02	1.39E-02	1.40E-02
Formaldehyde	1.58%	3.55E-02	4.51E-02	2.19E-02	1.84E-02	1.84E-02	3.61E-02	3.62E-02	3.22E-02	3.23E-02	2.09E-02	2.10E-02
Hexane	1.60%	3.59E-02	4.56E-02	2.22E-02	1.86E-02	1.87E-02	3.66E-02	3.67E-02	3.26E-02	3.27E-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	2.74E-03	2.75E-03	2.45E-03	2.46E-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	4.09E-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	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	6.99E-02	7.01E-02	6.24E-02	6.26E-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	2.74E-03	2.75E-03	2.45E-03	2.46E-03	1.59E-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	1.32E-01	1.18E-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

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	6.54E-07	4.23E-07	4.25E-07
Acrolein	0.13%	3.33E-07	4.23E-07	2.06E-07	1.73E-07	1.73E-07	3.39E-07	3.40E-07	3.03E-07	3.04E-07	1.97E-07	1.97E-07
Benzene	2.47%	6.33E-06	8.04E-06	3.91E-06	3.28E-06	3.29E-06	6.44E-06	6.46E-06	5.75E-06	5.77E-06	3.74E-06	3.75E-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	1.29E-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	2.74E-06	2.75E-06	2.45E-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	3.69E-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	2.80E-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	1.30E-07	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	7.98E-06	8.00E-06	7.13E-06	7.15E-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	2.80E-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 (Mitigated)

SRC ID	SRC No.	CAS	Pollutant	2024	
				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	6.76E-06
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	78933	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	108883	Toluene	1.38E-01	1.58E-05
PEN1	4	1330207	Xylenes	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	71432	Benzene	7.52E-02	8.58E-06
COR2	5	106990	1,3-Butadiene	1.67E-02	1.91E-06
COR2	5	100414	Ethylbenzene	3.20E-02	3.65E-06

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	91203	Naphthalene	1.52E-03	1.74E-07
COR2	5	115071	Propylene	9.31E-02	1.06E-05
COR2	5	100425	Styrene	3.65E-03	4.17E-07
COR2	5	108883	Toluene	1.75E-01	2.00E-05
COR2	5	1330207	Xylenes	1.46E-01	1.67E-05
PEN2	6	75070	Acetaldehyde	4.14E-03	4.73E-07
PEN2	6	107028	Acrolein	1.92E-03	2.20E-07
PEN2	6	71432	Benzene	3.65E-02	4.17E-06
PEN2	6	106990	1,3-Butadiene	8.14E-03	9.29E-07
PEN2	6	100414	Ethylbenzene	1.55E-02	1.77E-06
PEN2	6	50000	Formaldehyde	2.34E-02	2.67E-06
PEN2	6	110543	Hexane	2.37E-02	2.70E-06
PEN2	6	67561	Methanol	1.78E-03	2.03E-07
PEN2	6	78933	Methyl Ethyl Ketone	2.96E-04	3.38E-08
PEN2	6	91203	Naphthalene	7.40E-04	8.45E-08
PEN2	6	115071	Propylene	4.53E-02	5.17E-06
PEN2	6	100425	Styrene	1.78E-03	2.03E-07
PEN2	6	108883	Toluene	8.52E-02	9.73E-06
PEN2	6	1330207	Xylenes	7.10E-02	8.11E-06
PEN3	7	75070	Acetaldehyde	3.47E-03	3.97E-07
PEN3	7	107028	Acrolein	1.61E-03	1.84E-07
PEN3	7	71432	Benzene	3.06E-02	3.50E-06
PEN3	7	106990	1,3-Butadiene	6.82E-03	7.79E-07
PEN3	7	100414	Ethylbenzene	1.30E-02	1.49E-06
PEN3	7	50000	Formaldehyde	1.96E-02	2.24E-06
PEN3	7	110543	Hexane	1.99E-02	2.27E-06
PEN3	7	67561	Methanol	1.49E-03	1.70E-07
PEN3	7	78933	Methyl Ethyl Ketone	2.48E-04	2.83E-08
PEN3	7	91203	Naphthalene	6.20E-04	7.08E-08
PEN3	7	115071	Propylene	3.80E-02	4.33E-06
PEN3	7	100425	Styrene	1.49E-03	1.70E-07
PEN3	7	108883	Toluene	7.15E-02	8.16E-06
PEN3	7	1330207	Xylenes	5.96E-02	6.80E-06
PEN4	8	75070	Acetaldehyde	3.48E-03	3.98E-07
PEN4	8	107028	Acrolein	1.62E-03	1.85E-07
PEN4	8	71432	Benzene	3.07E-02	3.51E-06
PEN4	8	106990	1,3-Butadiene	6.85E-03	7.81E-07
PEN4	8	100414	Ethylbenzene	1.31E-02	1.49E-06
PEN4	8	50000	Formaldehyde	1.97E-02	2.24E-06
PEN4	8	110543	Hexane	1.99E-02	2.27E-06
PEN4	8	67561	Methanol	1.49E-03	1.70E-07
PEN4	8	78933	Methyl Ethyl Ketone	2.49E-04	2.84E-08
PEN4	8	91203	Naphthalene	6.22E-04	7.10E-08

PEN4	8	115071	Propylene	3.81E-02	4.35E-06
PEN4	8	100425	Styrene	1.49E-03	1.70E-07
PEN4	8	108883	Toluene	7.17E-02	8.18E-06
PEN4	8	1330207	Xylenes	5.97E-02	6.82E-06
HY03	9	75070	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	106990	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	91203	Naphthalene	1.22E-03	1.40E-07
HY04	10	115071	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	Xylenes	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	71432	Benzene	5.38E-02	6.14E-06
HY05	11	106990	1,3-Butadiene	1.20E-02	1.37E-06
HY05	11	100414	Ethylbenzene	2.29E-02	2.61E-06
HY05	11	50000	Formaldehyde	3.44E-02	3.93E-06
HY05	11	110543	Hexane	3.48E-02	3.98E-06
HY05	11	67561	Methanol	2.61E-03	2.98E-07
HY05	11	78933	Methyl Ethyl Ketone	4.35E-04	4.97E-08
HY05	11	91203	Naphthalene	1.09E-03	1.24E-07
HY05	11	115071	Propylene	6.66E-02	7.61E-06
HY05	11	100425	Styrene	2.61E-03	2.98E-07
HY05	11	108883	Toluene	1.25E-01	1.43E-05
HY05	11	1330207	Xylenes	1.05E-01	1.19E-05
HY06	12	75070	Acetaldehyde	6.12E-03	6.98E-07

HY06	12	107028	Acrolein	2.84E-03	3.24E-07
HY06	12	71432	Benzene	5.39E-02	6.16E-06
HY06	12	106990	1,3-Butadiene	1.20E-02	1.37E-06
HY06	12	100414	Ethylbenzene	2.29E-02	2.62E-06
HY06	12	50000	Formaldehyde	3.45E-02	3.94E-06
HY06	12	110543	Hexane	3.49E-02	3.99E-06
HY06	12	67561	Methanol	2.62E-03	2.99E-07
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-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	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
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	100425	Styrene	1.70E-03	1.94E-07
PEN6	14	108883	Toluene	8.17E-02	9.33E-06
PEN6	14	1330207	Xylenes	6.81E-02	7.77E-06

HARP2 Emission Inputs (Mitigated)

SRC ID	SRC No.	CAS	Pollutant	2025	
				lb/yr	lb/hr
CONST_PHASE1	2	9901	DieselExhPM	1.40E+01	0.00E+00
PEN1	4	9901	DieselExhPM	1.87E-01	0.00E+00
COR2	5	9901	DieselExhPM	2.37E-01	0.00E+00
PEN2	6	9901	DieselExhPM	1.15E-01	0.00E+00
PEN3	7	9901	DieselExhPM	9.66E-02	0.00E+00
PEN4	8	9901	DieselExhPM	9.69E-02	0.00E+00
HY03	9	9901	DieselExhPM	1.90E-01	0.00E+00
HY04	10	9901	DieselExhPM	1.90E-01	0.00E+00
HY05	11	9901	DieselExhPM	1.70E-01	0.00E+00
HY06	12	9901	DieselExhPM	1.70E-01	0.00E+00
PEN5	13	9901	DieselExhPM	1.10E-01	0.00E+00
PEN6	14	9901	DieselExhPM	1.10E-01	0.00E+00
PEN1_TRK	15	9901	DieselExhPM	1.91E-01	0.00E+00
COR2_TRK	16	9901	DieselExhPM	2.42E-01	0.00E+00
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	50000	Formaldehyde	5.65E-02	6.45E-06
PEN1	4	110543	Hexane	5.72E-02	6.53E-06
PEN1	4	67561	Methanol	4.29E-03	4.90E-07
PEN1	4	78933	Methyl Ethyl Ketone	7.15E-04	8.17E-08
PEN1	4	91203	Naphthalene	1.79E-03	2.04E-07
PEN1	4	115071	Propylene	1.09E-01	1.25E-05
PEN1	4	100425	Styrene	4.29E-03	4.90E-07
PEN1	4	108883	Toluene	2.06E-01	2.35E-05
PEN1	4	1330207	Xylenes	1.72E-01	1.96E-05
COR2	5	75070	Acetaldehyde	1.27E-02	1.45E-06
COR2	5	107028	Acrolein	5.91E-03	6.74E-07
COR2	5	71432	Benzene	1.12E-01	1.28E-05
COR2	5	106990	1,3-Butadiene	2.50E-02	2.85E-06
COR2	5	100414	Ethylbenzene	4.77E-02	5.45E-06
COR2	5	50000	Formaldehyde	7.18E-02	8.20E-06
COR2	5	110543	Hexane	7.27E-02	8.30E-06

COR2	5	67561	Methanol	5.45E-03	6.22E-07
COR2	5	78933	Methyl Ethyl Ketone	9.09E-04	1.04E-07
COR2	5	91203	Naphthalene	2.27E-03	2.59E-07
COR2	5	115071	Propylene	1.39E-01	1.59E-05
COR2	5	100425	Styrene	5.45E-03	6.22E-07
COR2	5	108883	Toluene	2.62E-01	2.99E-05
COR2	5	1330207	Xylenes	2.18E-01	2.49E-05
PEN2	6	75070	Acetaldehyde	6.19E-03	7.06E-07
PEN2	6	107028	Acrolein	2.87E-03	3.28E-07
PEN2	6	71432	Benzene	5.46E-02	6.23E-06
PEN2	6	106990	1,3-Butadiene	1.22E-02	1.39E-06
PEN2	6	100414	Ethylbenzene	2.32E-02	2.65E-06
PEN2	6	50000	Formaldehyde	3.49E-02	3.98E-06
PEN2	6	110543	Hexane	3.53E-02	4.04E-06
PEN2	6	67561	Methanol	2.65E-03	3.03E-07
PEN2	6	78933	Methyl Ethyl Ketone	4.42E-04	5.04E-08
PEN2	6	91203	Naphthalene	1.10E-03	1.26E-07
PEN2	6	115071	Propylene	6.76E-02	7.72E-06
PEN2	6	100425	Styrene	2.65E-03	3.03E-07
PEN2	6	108883	Toluene	1.27E-01	1.45E-05
PEN2	6	1330207	Xylenes	1.06E-01	1.21E-05
PEN3	7	75070	Acetaldehyde	5.19E-03	5.92E-07
PEN3	7	107028	Acrolein	2.41E-03	2.75E-07
PEN3	7	71432	Benzene	4.58E-02	5.22E-06
PEN3	7	106990	1,3-Butadiene	1.02E-02	1.16E-06
PEN3	7	100414	Ethylbenzene	1.95E-02	2.22E-06
PEN3	7	50000	Formaldehyde	2.93E-02	3.34E-06
PEN3	7	110543	Hexane	2.96E-02	3.38E-06
PEN3	7	67561	Methanol	2.22E-03	2.54E-07
PEN3	7	78933	Methyl Ethyl Ketone	3.71E-04	4.23E-08
PEN3	7	91203	Naphthalene	9.26E-04	1.06E-07
PEN3	7	115071	Propylene	5.67E-02	6.47E-06
PEN3	7	100425	Styrene	2.22E-03	2.54E-07
PEN3	7	108883	Toluene	1.07E-01	1.22E-05
PEN3	7	1330207	Xylenes	8.89E-02	1.02E-05
PEN4	8	75070	Acetaldehyde	5.20E-03	5.94E-07
PEN4	8	107028	Acrolein	2.42E-03	2.76E-07
PEN4	8	71432	Benzene	4.59E-02	5.24E-06
PEN4	8	106990	1,3-Butadiene	1.02E-02	1.17E-06
PEN4	8	100414	Ethylbenzene	1.95E-02	2.23E-06
PEN4	8	50000	Formaldehyde	2.94E-02	3.35E-06
PEN4	8	110543	Hexane	2.97E-02	3.39E-06
PEN4	8	67561	Methanol	2.23E-03	2.55E-07
PEN4	8	78933	Methyl Ethyl Ketone	3.72E-04	4.24E-08
PEN4	8	91203	Naphthalene	9.29E-04	1.06E-07
PEN4	8	115071	Propylene	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	107028	Acrolein	4.73E-03	5.40E-07
HY03	9	71432	Benzene	8.99E-02	1.03E-05
HY03	9	106990	1,3-Butadiene	2.00E-02	2.29E-06
HY03	9	100414	Ethylbenzene	3.82E-02	4.36E-06
HY03	9	50000	Formaldehyde	5.75E-02	6.56E-06
HY03	9	110543	Hexane	5.82E-02	6.65E-06
HY03	9	67561	Methanol	4.37E-03	4.99E-07
HY03	9	78933	Methyl Ethyl Ketone	7.28E-04	8.31E-08
HY03	9	91203	Naphthalene	1.82E-03	2.08E-07
HY03	9	115071	Propylene	1.11E-01	1.27E-05
HY03	9	100425	Styrene	4.37E-03	4.99E-07
HY03	9	108883	Toluene	2.10E-01	2.39E-05
HY03	9	1330207	Xylenes	1.75E-01	1.99E-05
HY04	10	75070	Acetaldehyde	1.02E-02	1.17E-06
HY04	10	107028	Acrolein	4.75E-03	5.42E-07
HY04	10	71432	Benzene	9.02E-02	1.03E-05
HY04	10	106990	1,3-Butadiene	2.01E-02	2.29E-06
HY04	10	100414	Ethylbenzene	3.83E-02	4.38E-06
HY04	10	50000	Formaldehyde	5.77E-02	6.58E-06
HY04	10	110543	Hexane	5.84E-02	6.67E-06
HY04	10	67561	Methanol	4.38E-03	5.00E-07
HY04	10	78933	Methyl Ethyl Ketone	7.30E-04	8.33E-08
HY04	10	91203	Naphthalene	1.83E-03	2.08E-07
HY04	10	115071	Propylene	1.12E-01	1.28E-05
HY04	10	100425	Styrene	4.38E-03	5.00E-07
HY04	10	108883	Toluene	2.10E-01	2.40E-05
HY04	10	1330207	Xylenes	1.75E-01	2.00E-05
HY05	11	75070	Acetaldehyde	9.10E-03	1.04E-06
HY05	11	107028	Acrolein	4.23E-03	4.82E-07
HY05	11	71432	Benzene	8.03E-02	9.17E-06
HY05	11	106990	1,3-Butadiene	1.79E-02	2.04E-06
HY05	11	100414	Ethylbenzene	3.41E-02	3.90E-06
HY05	11	50000	Formaldehyde	5.14E-02	5.86E-06
HY05	11	110543	Hexane	5.20E-02	5.94E-06
HY05	11	67561	Methanol	3.90E-03	4.45E-07
HY05	11	78933	Methyl Ethyl Ketone	6.50E-04	7.42E-08
HY05	11	91203	Naphthalene	1.63E-03	1.86E-07
HY05	11	115071	Propylene	9.95E-02	1.14E-05
HY05	11	100425	Styrene	3.90E-03	4.45E-07
HY05	11	108883	Toluene	1.87E-01	2.14E-05
HY05	11	1330207	Xylenes	1.56E-01	1.78E-05
HY06	12	75070	Acetaldehyde	9.13E-03	1.04E-06
HY06	12	107028	Acrolein	4.24E-03	4.84E-07
HY06	12	71432	Benzene	8.05E-02	9.19E-06

HY06	12	106990	1,3-Butadiene	1.79E-02	2.05E-06
HY06	12	100414	Ethylbenzene	3.42E-02	3.91E-06
HY06	12	50000	Formaldehyde	5.15E-02	5.88E-06
HY06	12	110543	Hexane	5.22E-02	5.96E-06
HY06	12	67561	Methanol	3.91E-03	4.47E-07
HY06	12	78933	Methyl Ethyl Ketone	6.52E-04	7.45E-08
HY06	12	91203	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	91203	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	75070	Acetaldehyde	5.93E-03	6.77E-07
PEN6	14	107028	Acrolein	2.75E-03	3.14E-07
PEN6	14	71432	Benzene	5.23E-02	5.97E-06
PEN6	14	106990	1,3-Butadiene	1.16E-02	1.33E-06
PEN6	14	100414	Ethylbenzene	2.22E-02	2.54E-06
PEN6	14	50000	Formaldehyde	3.35E-02	3.82E-06
PEN6	14	110543	Hexane	3.39E-02	3.87E-06
PEN6	14	67561	Methanol	2.54E-03	2.90E-07
PEN6	14	78933	Methyl Ethyl Ketone	4.23E-04	4.83E-08
PEN6	14	91203	Naphthalene	1.06E-03	1.21E-07
PEN6	14	115071	Propylene	6.48E-02	7.40E-06
PEN6	14	100425	Styrene	2.54E-03	2.90E-07
PEN6	14	108883	Toluene	1.22E-01	1.39E-05
PEN6	14	1330207	Xylenes	1.02E-01	1.16E-05

HARP2 Emission Inputs (Mitigated)

SRC ID	SRC No.	CAS	Pollutant	2026	
				lb/yr	lb/hr
CONST_PHASE2	1	9901	DieselExhPM	2.01E+01	0.00E+00
PEN1	2	9901	DieselExhPM	1.20E-01	0.00E+00
COR2	3	9901	DieselExhPM	1.53E-01	0.00E+00
PEN2	4	9901	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	9901	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	75070	Acetaldehyde	7.99E-03	9.12E-07
COR2	3	107028	Acrolein	3.71E-03	4.23E-07
COR2	3	71432	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

COR2	3	67561	Methanol	3.42E-03	3.91E-07
COR2	3	78933	Methyl Ethyl Ketone	5.70E-04	6.51E-08
COR2	3	91203	Naphthalene	1.43E-03	1.63E-07
COR2	3	115071	Propylene	8.73E-02	9.96E-06
COR2	3	100425	Styrene	3.42E-03	3.91E-07
COR2	3	108883	Toluene	1.64E-01	1.88E-05
COR2	3	1330207	Xylenes	1.37E-01	1.56E-05
PEN2	4	75070	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	91203	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	110543	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	50000	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	78933	Methyl Ethyl Ketone	2.33E-04	2.66E-08
PEN4	6	91203	Naphthalene	5.83E-04	6.66E-08
PEN4	6	115071	Propylene	3.57E-02	4.07E-06
PEN4	6	100425	Styrene	1.40E-03	1.60E-07

PEN4	6	108883	Toluene	6.72E-02	7.67E-06
PEN4	6	1330207	Xylenes	5.60E-02	6.39E-06
HY03	7	75070	Acetaldehyde	6.40E-03	7.30E-07
HY03	7	107028	Acrolein	2.97E-03	3.39E-07
HY03	7	71432	Benzene	5.64E-02	6.44E-06
HY03	7	106990	1,3-Butadiene	1.26E-02	1.43E-06
HY03	7	100414	Ethylbenzene	2.40E-02	2.74E-06
HY03	7	50000	Formaldehyde	3.61E-02	4.12E-06
HY03	7	110543	Hexane	3.66E-02	4.17E-06
HY03	7	67561	Methanol	2.74E-03	3.13E-07
HY03	7	78933	Methyl Ethyl Ketone	4.57E-04	5.22E-08
HY03	7	91203	Naphthalene	1.14E-03	1.30E-07
HY03	7	115071	Propylene	6.99E-02	7.98E-06
HY03	7	100425	Styrene	2.74E-03	3.13E-07
HY03	7	108883	Toluene	1.32E-01	1.50E-05
HY03	7	1330207	Xylenes	1.10E-01	1.25E-05
HY04	8	75070	Acetaldehyde	6.41E-03	7.32E-07
HY04	8	107028	Acrolein	2.98E-03	3.40E-07
HY04	8	71432	Benzene	5.66E-02	6.46E-06
HY04	8	106990	1,3-Butadiene	1.26E-02	1.44E-06
HY04	8	100414	Ethylbenzene	2.41E-02	2.75E-06
HY04	8	50000	Formaldehyde	3.62E-02	4.13E-06
HY04	8	110543	Hexane	3.67E-02	4.18E-06
HY04	8	67561	Methanol	2.75E-03	3.14E-07
HY04	8	78933	Methyl Ethyl Ketone	4.58E-04	5.23E-08
HY04	8	91203	Naphthalene	1.15E-03	1.31E-07
HY04	8	115071	Propylene	7.01E-02	8.00E-06
HY04	8	100425	Styrene	2.75E-03	3.14E-07
HY04	8	108883	Toluene	1.32E-01	1.51E-05
HY04	8	1330207	Xylenes	1.10E-01	1.26E-05
HY05	9	75070	Acetaldehyde	5.71E-03	6.52E-07
HY05	9	107028	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	67561	Methanol	2.45E-03	2.79E-07
HY05	9	78933	Methyl Ethyl Ketone	4.08E-04	4.66E-08
HY05	9	91203	Naphthalene	1.02E-03	1.16E-07
HY05	9	115071	Propylene	6.24E-02	7.13E-06
HY05	9	100425	Styrene	2.45E-03	2.79E-07
HY05	9	108883	Toluene	1.18E-01	1.34E-05
HY05	9	1330207	Xylenes	9.79E-02	1.12E-05
HY06	10	75070	Acetaldehyde	5.73E-03	6.54E-07
HY06	10	107028	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	110543	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	100425	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	Xylenes	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	115071	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

Equipment Type	Buildings	No. of Units	Days Per Year	Emissions (tons/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

Generators	Model ID	Group ID	No. of Sources	X/Q	Emissions (lbs/year)	Annual Emissions (g/s)
					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	Model ID	Group ID	No. of Sources	X/Q	Emissions (lbs/year)	Annual Emissions (g/s)
					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

Equipment Type	Buildings	Days Per Year	Emissions (tons/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	Model ID	Group ID	No. of Sources	X/Q	Emissions (lbs/year)	Annual Emissions (g/s)
					PM _{2.5} Exhaust	per source 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

Yard Equipment (Forklifts)

Mitigated - Electric

Equipment Type	Buildings	Days Per Year	Emissions (tons/year)
			PM _{2.5} Exhaust
Yard Equipment (forklifts)	Operations - Buildings A, B/C	365	0
Yard Equipment (forklifts)	Operations - Buildings D - G	365	0

Model ID	Buildings	No. of Sources	X/Q	Emissions (lbs/year)	Annual Emissions (g/s) per source
				PM _{2.5} Exhaust	PM _{2.5} Exhaust
FLA1	Building A	66	0.015151515	0	0.00000E+00
FLA2	Building A	9	0.111111111	0	0.00000E+00
FLB1	Building B	204	0.004901961	0	0.00000E+00
FLB2	Building B	137	0.00729927	0	0.00000E+00
FLB3	Building B	48	0.020833333	0	0.00000E+00
FLD1	Building D	32	0.03125	0	0.00000E+00
FLE1	Building E	32	0.03125	0	0.00000E+00
FLF1	Building F	54	0.018518519	0	0.00000E+00
FLG1	Building G	50	0.02	0	0.00000E+00

HARP ID

HARP ID	Buildings	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)	DFM (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	6.98894E-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%	1.68454E-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	1.02294E-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	2.84653E-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 - AERMAP	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

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

	(% 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 - Operation

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

	(% 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 (Mitigated)

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)	Total 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

SRC ID	SRC No.	CAS	Pollutant	(Full Build Ops - Offsite)	
				lb/yr	lb/hr
PEN1_Cars	1	9901	DieselExhPM	2.09E+00	0.00E+00
COR1_Cars	2	9901	DieselExhPM	1.30E-02	0.00E+00
COR2_Cars	3	9901	DieselExhPM	2.21E-01	0.00E+00
PEN2_Cars	4	9901	DieselExhPM	2.38E-01	0.00E+00
HY01_Cars	5	9901	DieselExhPM	2.90E-01	0.00E+00
HY02_Cars	6	9901	DieselExhPM	4.63E-01	0.00E+00
PEN3_Cars	7	9901	DieselExhPM	2.34E-01	0.00E+00
PEN4_Cars	8	9901	DieselExhPM	3.21E-01	0.00E+00
WTX1_Cars	9	9901	DieselExhPM	8.66E-02	0.00E+00
BEK1_Cars	10	9901	DieselExhPM	2.99E-01	0.00E+00
BEK2_Cars	11	9901	DieselExhPM	2.99E-01	0.00E+00
COR3_Cars	12	9901	DieselExhPM	4.33E-02	0.00E+00
BEK3_Cars	13	9901	DieselExhPM	1.13E-01	0.00E+00
BEK4_Cars	14	9901	DieselExhPM	4.33E-02	0.00E+00
BEK5_Cars	15	9901	DieselExhPM	6.93E-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	2.56E-01	0.00E+00
HY04_Cars	19	9901	DieselExhPM	2.17E-02	0.00E+00
HY05_Cars	20	9901	DieselExhPM	3.29E-01	0.00E+00
HY06_Cars	21	9901	DieselExhPM	4.55E-01	0.00E+00
PEN1_Trucks	22	9901	DieselExhPM	4.66E+00	0.00E+00
COR1_Trucks	23	9901	DieselExhPM	2.89E-02	0.00E+00
COR2_Trucks	24	9901	DieselExhPM	4.92E-01	0.00E+00
PEN2_Trucks	25	9901	DieselExhPM	5.30E-01	0.00E+00
HY01_Trucks	26	9901	DieselExhPM	6.46E-01	0.00E+00
HY02_Trucks	27	9901	DieselExhPM	1.03E+00	0.00E+00
PEN3_Trucks	28	9901	DieselExhPM	5.21E-01	0.00E+00
PEN4_Trucks	29	9901	DieselExhPM	7.14E-01	0.00E+00
WTX1_Trucks	30	9901	DieselExhPM	1.93E-01	0.00E+00
BEK1_Trucks	31	9901	DieselExhPM	6.65E-01	0.00E+00
BEK2_Trucks	32	9901	DieselExhPM	6.65E-01	0.00E+00
COR3_Trucks	33	9901	DieselExhPM	9.64E-02	0.00E+00
BEK3_Trucks	34	9901	DieselExhPM	2.51E-01	0.00E+00
BEK4_Trucks	35	9901	DieselExhPM	9.64E-02	0.00E+00
BEK5_Trucks	36	9901	DieselExhPM	1.54E-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	5.69E-01	0.00E+00
HY04_Trucks	40	9901	DieselExhPM	4.82E-02	0.00E+00
HY05_Trucks	41	9901	DieselExhPM	7.33E-01	0.00E+00
HY06_Trucks	42	9901	DieselExhPM	1.01E+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

PEN1_Cars	1	71432	Benzene	1.51E+00	1.72E-04
PEN1_Cars	1	106990	1,3-Butadiene	3.36E-01	3.84E-05
PEN1_Cars	1	100414	Ethylbenzene	6.42E-01	7.32E-05
PEN1_Cars	1	50000	Formaldehyde	9.65E-01	1.10E-04
PEN1_Cars	1	110543	Hexane	9.78E-01	1.12E-04
PEN1_Cars	1	67561	Methanol	7.33E-02	8.37E-06
PEN1_Cars	1	78933	Methyl Ethyl Ketone	1.22E-02	1.40E-06
PEN1_Cars	1	91203	Naphthalene	3.06E-02	3.49E-06
PEN1_Cars	1	115071	Propylene	1.87E+00	2.13E-04
PEN1_Cars	1	100425	Styrene	7.33E-02	8.37E-06
PEN1_Cars	1	108883	Toluene	3.52E+00	4.02E-04
PEN1_Cars	1	1330207	Xylenes	2.93E+00	3.35E-04
COR1_Cars	2	75070	Acetaldehyde	1.06E-03	1.21E-07
COR1_Cars	2	107028	Acrolein	4.93E-04	5.63E-08
COR1_Cars	2	71432	Benzene	9.37E-03	1.07E-06
COR1_Cars	2	106990	1,3-Butadiene	2.09E-03	2.38E-07
COR1_Cars	2	100414	Ethylbenzene	3.99E-03	4.55E-07
COR1_Cars	2	50000	Formaldehyde	6.00E-03	6.85E-07
COR1_Cars	2	110543	Hexane	6.07E-03	6.93E-07
COR1_Cars	2	67561	Methanol	4.55E-04	5.20E-08
COR1_Cars	2	78933	Methyl Ethyl Ketone	7.59E-05	8.67E-09
COR1_Cars	2	91203	Naphthalene	1.90E-04	2.17E-08
COR1_Cars	2	115071	Propylene	1.16E-02	1.33E-06
COR1_Cars	2	100425	Styrene	4.55E-04	5.20E-08
COR1_Cars	2	108883	Toluene	2.19E-02	2.50E-06
COR1_Cars	2	1330207	Xylenes	1.82E-02	2.08E-06
COR2_Cars	3	75070	Acetaldehyde	1.81E-02	2.06E-06
COR2_Cars	3	107028	Acrolein	8.39E-03	9.58E-07
COR2_Cars	3	71432	Benzene	1.59E-01	1.82E-05
COR2_Cars	3	106990	1,3-Butadiene	3.55E-02	4.05E-06
COR2_Cars	3	100414	Ethylbenzene	6.77E-02	7.73E-06
COR2_Cars	3	50000	Formaldehyde	1.02E-01	1.16E-05
COR2_Cars	3	110543	Hexane	1.03E-01	1.18E-05
COR2_Cars	3	67561	Methanol	7.74E-03	8.84E-07
COR2_Cars	3	78933	Methyl Ethyl Ketone	1.29E-03	1.47E-07
COR2_Cars	3	91203	Naphthalene	3.23E-03	3.68E-07
COR2_Cars	3	115071	Propylene	1.97E-01	2.25E-05
COR2_Cars	3	100425	Styrene	7.74E-03	8.84E-07
COR2_Cars	3	108883	Toluene	3.72E-01	4.24E-05
COR2_Cars	3	1330207	Xylenes	3.10E-01	3.54E-05
PEN2_Cars	4	75070	Acetaldehyde	1.95E-02	2.22E-06
PEN2_Cars	4	107028	Acrolein	9.05E-03	1.03E-06
PEN2_Cars	4	71432	Benzene	1.72E-01	1.96E-05
PEN2_Cars	4	106990	1,3-Butadiene	3.83E-02	4.37E-06
PEN2_Cars	4	100414	Ethylbenzene	7.31E-02	8.34E-06
PEN2_Cars	4	50000	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	78933	Methyl Ethyl Ketone	1.39E-03	1.59E-07
PEN2_Cars	4	91203	Naphthalene	3.48E-03	3.97E-07
PEN2_Cars	4	115071	Propylene	2.13E-01	2.43E-05
PEN2_Cars	4	100425	Styrene	8.35E-03	9.53E-07
PEN2_Cars	4	108883	Toluene	4.01E-01	4.58E-05
PEN2_Cars	4	1330207	Xylenes	3.34E-01	3.81E-05
HY01_Cars	5	75070	Acetaldehyde	2.37E-02	2.71E-06
HY01_Cars	5	107028	Acrolein	1.10E-02	1.26E-06
HY01_Cars	5	71432	Benzene	2.09E-01	2.39E-05
HY01_Cars	5	106990	1,3-Butadiene	4.66E-02	5.32E-06
HY01_Cars	5	100414	Ethylbenzene	8.90E-02	1.02E-05
HY01_Cars	5	50000	Formaldehyde	1.34E-01	1.53E-05
HY01_Cars	5	110543	Hexane	1.36E-01	1.55E-05
HY01_Cars	5	67561	Methanol	1.02E-02	1.16E-06
HY01_Cars	5	78933	Methyl Ethyl Ketone	1.70E-03	1.94E-07
HY01_Cars	5	91203	Naphthalene	4.24E-03	4.84E-07
HY01_Cars	5	115071	Propylene	2.59E-01	2.96E-05
HY01_Cars	5	100425	Styrene	1.02E-02	1.16E-06
HY01_Cars	5	108883	Toluene	4.88E-01	5.57E-05
HY01_Cars	5	1330207	Xylenes	4.07E-01	4.64E-05
HY02_Cars	6	75070	Acetaldehyde	3.79E-02	4.33E-06
HY02_Cars	6	107028	Acrolein	1.76E-02	2.01E-06
HY02_Cars	6	71432	Benzene	3.34E-01	3.82E-05
HY02_Cars	6	106990	1,3-Butadiene	7.45E-02	8.50E-06
HY02_Cars	6	100414	Ethylbenzene	1.42E-01	1.62E-05
HY02_Cars	6	50000	Formaldehyde	2.14E-01	2.44E-05
HY02_Cars	6	110543	Hexane	2.17E-01	2.47E-05
HY02_Cars	6	67561	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	100425	Styrene	1.62E-02	1.85E-06
HY02_Cars	6	108883	Toluene	7.80E-01	8.90E-05
HY02_Cars	6	1330207	Xylenes	6.50E-01	7.42E-05
PEN3_Cars	7	75070	Acetaldehyde	1.91E-02	2.18E-06
PEN3_Cars	7	107028	Acrolein	8.88E-03	1.01E-06
PEN3_Cars	7	71432	Benzene	1.69E-01	1.93E-05
PEN3_Cars	7	106990	1,3-Butadiene	3.76E-02	4.29E-06
PEN3_Cars	7	100414	Ethylbenzene	7.17E-02	8.19E-06
PEN3_Cars	7	50000	Formaldehyde	1.08E-01	1.23E-05
PEN3_Cars	7	110543	Hexane	1.09E-01	1.25E-05
PEN3_Cars	7	67561	Methanol	8.20E-03	9.36E-07
PEN3_Cars	7	78933	Methyl Ethyl Ketone	1.37E-03	1.56E-07
PEN3_Cars	7	91203	Naphthalene	3.42E-03	3.90E-07
PEN3_Cars	7	115071	Propylene	2.09E-01	2.39E-05
PEN3_Cars	7	100425	Styrene	8.20E-03	9.36E-07

PEN3_Cars	7	108883	Toluene	3.94E-01	4.49E-05
PEN3_Cars	7	1330207	Xylenes	3.28E-01	3.74E-05
PEN4_Cars	8	75070	Acetaldehyde	2.62E-02	2.99E-06
PEN4_Cars	8	107028	Acrolein	1.22E-02	1.39E-06
PEN4_Cars	8	71432	Benzene	2.31E-01	2.64E-05
PEN4_Cars	8	106990	1,3-Butadiene	5.15E-02	5.88E-06
PEN4_Cars	8	100414	Ethylbenzene	9.83E-02	1.12E-05
PEN4_Cars	8	50000	Formaldehyde	1.48E-01	1.69E-05
PEN4_Cars	8	110543	Hexane	1.50E-01	1.71E-05
PEN4_Cars	8	67561	Methanol	1.12E-02	1.28E-06
PEN4_Cars	8	78933	Methyl Ethyl Ketone	1.87E-03	2.14E-07
PEN4_Cars	8	91203	Naphthalene	4.68E-03	5.34E-07
PEN4_Cars	8	115071	Propylene	2.86E-01	3.27E-05
PEN4_Cars	8	100425	Styrene	1.12E-02	1.28E-06
PEN4_Cars	8	108883	Toluene	5.39E-01	6.16E-05
PEN4_Cars	8	1330207	Xylenes	4.49E-01	5.13E-05
WTX1_Cars	9	75070	Acetaldehyde	7.08E-03	8.09E-07
WTX1_Cars	9	107028	Acrolein	3.29E-03	3.75E-07
WTX1_Cars	9	71432	Benzene	6.25E-02	7.13E-06
WTX1_Cars	9	106990	1,3-Butadiene	1.39E-02	1.59E-06
WTX1_Cars	9	100414	Ethylbenzene	2.66E-02	3.03E-06
WTX1_Cars	9	50000	Formaldehyde	4.00E-02	4.56E-06
WTX1_Cars	9	110543	Hexane	4.05E-02	4.62E-06
WTX1_Cars	9	67561	Methanol	3.04E-03	3.47E-07
WTX1_Cars	9	78933	Methyl Ethyl Ketone	5.06E-04	5.78E-08
WTX1_Cars	9	91203	Naphthalene	1.27E-03	1.44E-07
WTX1_Cars	9	115071	Propylene	7.74E-02	8.84E-06
WTX1_Cars	9	100425	Styrene	3.04E-03	3.47E-07
WTX1_Cars	9	108883	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	107028	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	100414	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	67561	Methanol	1.05E-02	1.20E-06
BEK1_Cars	10	78933	Methyl Ethyl Ketone	1.75E-03	1.99E-07
BEK1_Cars	10	91203	Naphthalene	4.36E-03	4.98E-07
BEK1_Cars	10	115071	Propylene	2.67E-01	3.05E-05
BEK1_Cars	10	100425	Styrene	1.05E-02	1.20E-06
BEK1_Cars	10	108883	Toluene	5.03E-01	5.74E-05
BEK1_Cars	10	1330207	Xylenes	4.19E-01	4.78E-05
BEK2_Cars	11	75070	Acetaldehyde	2.44E-02	2.79E-06
BEK2_Cars	11	107028	Acrolein	1.13E-02	1.30E-06
BEK2_Cars	11	71432	Benzene	2.16E-01	2.46E-05

BEK2_Cars	11	106990	1,3-Butadiene	4.80E-02	5.48E-06
BEK2_Cars	11	100414	Ethylbenzene	9.17E-02	1.05E-05
BEK2_Cars	11	50000	Formaldehyde	1.38E-01	1.57E-05
BEK2_Cars	11	110543	Hexane	1.40E-01	1.59E-05
BEK2_Cars	11	67561	Methanol	1.05E-02	1.20E-06
BEK2_Cars	11	78933	Methyl Ethyl Ketone	1.75E-03	1.99E-07
BEK2_Cars	11	91203	Naphthalene	4.36E-03	4.98E-07
BEK2_Cars	11	115071	Propylene	2.67E-01	3.05E-05
BEK2_Cars	11	100425	Styrene	1.05E-02	1.20E-06
BEK2_Cars	11	108883	Toluene	5.03E-01	5.74E-05
BEK2_Cars	11	1330207	Xylenes	4.19E-01	4.78E-05
COR3_Cars	12	75070	Acetaldehyde	3.54E-03	4.04E-07
COR3_Cars	12	107028	Acrolein	1.64E-03	1.88E-07
COR3_Cars	12	71432	Benzene	3.12E-02	3.57E-06
COR3_Cars	12	106990	1,3-Butadiene	6.96E-03	7.94E-07
COR3_Cars	12	100414	Ethylbenzene	1.33E-02	1.52E-06
COR3_Cars	12	50000	Formaldehyde	2.00E-02	2.28E-06
COR3_Cars	12	110543	Hexane	2.02E-02	2.31E-06
COR3_Cars	12	67561	Methanol	1.52E-03	1.73E-07
COR3_Cars	12	78933	Methyl Ethyl Ketone	2.53E-04	2.89E-08
COR3_Cars	12	91203	Naphthalene	6.33E-04	7.22E-08
COR3_Cars	12	115071	Propylene	3.87E-02	4.42E-06
COR3_Cars	12	100425	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	71432	Benzene	8.12E-02	9.27E-06
BEK3_Cars	13	106990	1,3-Butadiene	1.81E-02	2.07E-06
BEK3_Cars	13	100414	Ethylbenzene	3.45E-02	3.94E-06
BEK3_Cars	13	50000	Formaldehyde	5.20E-02	5.93E-06
BEK3_Cars	13	110543	Hexane	5.26E-02	6.01E-06
BEK3_Cars	13	67561	Methanol	3.95E-03	4.51E-07
BEK3_Cars	13	78933	Methyl Ethyl Ketone	6.58E-04	7.51E-08
BEK3_Cars	13	91203	Naphthalene	1.64E-03	1.88E-07
BEK3_Cars	13	115071	Propylene	1.01E-01	1.15E-05
BEK3_Cars	13	100425	Styrene	3.95E-03	4.51E-07
BEK3_Cars	13	108883	Toluene	1.89E-01	2.16E-05
BEK3_Cars	13	1330207	Xylenes	1.58E-01	1.80E-05
BEK4_Cars	14	75070	Acetaldehyde	3.54E-03	4.04E-07
BEK4_Cars	14	107028	Acrolein	1.64E-03	1.88E-07
BEK4_Cars	14	71432	Benzene	3.12E-02	3.57E-06
BEK4_Cars	14	106990	1,3-Butadiene	6.96E-03	7.94E-07
BEK4_Cars	14	100414	Ethylbenzene	1.33E-02	1.52E-06
BEK4_Cars	14	50000	Formaldehyde	2.00E-02	2.28E-06
BEK4_Cars	14	110543	Hexane	2.02E-02	2.31E-06
BEK4_Cars	14	67561	Methanol	1.52E-03	1.73E-07

BEK4_Cars	14	78933	Methyl Ethyl Ketone	2.53E-04	2.89E-08
BEK4_Cars	14	91203	Naphthalene	6.33E-04	7.22E-08
BEK4_Cars	14	115071	Propylene	3.87E-02	4.42E-06
BEK4_Cars	14	100425	Styrene	1.52E-03	1.73E-07
BEK4_Cars	14	108883	Toluene	7.29E-02	8.32E-06
BEK4_Cars	14	1330207	Xylenes	6.07E-02	6.93E-06
BEK5_Cars	15	75070	Acetaldehyde	5.67E-03	6.47E-07
BEK5_Cars	15	107028	Acrolein	2.63E-03	3.00E-07
BEK5_Cars	15	71432	Benzene	5.00E-02	5.71E-06
BEK5_Cars	15	106990	1,3-Butadiene	1.11E-02	1.27E-06
BEK5_Cars	15	100414	Ethylbenzene	2.13E-02	2.43E-06
BEK5_Cars	15	50000	Formaldehyde	3.20E-02	3.65E-06
BEK5_Cars	15	110543	Hexane	3.24E-02	3.70E-06
BEK5_Cars	15	67561	Methanol	2.43E-03	2.77E-07
BEK5_Cars	15	78933	Methyl Ethyl Ketone	4.05E-04	4.62E-08
BEK5_Cars	15	91203	Naphthalene	1.01E-03	1.16E-07
BEK5_Cars	15	115071	Propylene	6.19E-02	7.07E-06
BEK5_Cars	15	100425	Styrene	2.43E-03	2.77E-07
BEK5_Cars	15	108883	Toluene	1.17E-01	1.33E-05
BEK5_Cars	15	1330207	Xylenes	9.72E-02	1.11E-05
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	100414	Ethylbenzene	0.00E+00	0.00E+00
CBN1_Cars	16	50000	Formaldehyde	0.00E+00	0.00E+00
CBN1_Cars	16	110543	Hexane	0.00E+00	0.00E+00
CBN1_Cars	16	67561	Methanol	0.00E+00	0.00E+00
CBN1_Cars	16	78933	Methyl Ethyl Ketone	0.00E+00	0.00E+00
CBN1_Cars	16	91203	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	Xylenes	0.00E+00	0.00E+00
CBN2_Cars	17	75070	Acetaldehyde	0.00E+00	0.00E+00
CBN2_Cars	17	107028	Acrolein	0.00E+00	0.00E+00
CBN2_Cars	17	71432	Benzene	0.00E+00	0.00E+00
CBN2_Cars	17	106990	1,3-Butadiene	0.00E+00	0.00E+00
CBN2_Cars	17	100414	Ethylbenzene	0.00E+00	0.00E+00
CBN2_Cars	17	50000	Formaldehyde	0.00E+00	0.00E+00
CBN2_Cars	17	110543	Hexane	0.00E+00	0.00E+00
CBN2_Cars	17	67561	Methanol	0.00E+00	0.00E+00
CBN2_Cars	17	78933	Methyl Ethyl Ketone	0.00E+00	0.00E+00
CBN2_Cars	17	91203	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	Xylenes	0.00E+00	0.00E+00
HY03_Cars	18	75070	Acetaldehyde	2.09E-02	2.39E-06
HY03_Cars	18	107028	Acrolein	9.70E-03	1.11E-06
HY03_Cars	18	71432	Benzene	1.84E-01	2.10E-05
HY03_Cars	18	106990	1,3-Butadiene	4.11E-02	4.69E-06
HY03_Cars	18	100414	Ethylbenzene	7.84E-02	8.95E-06
HY03_Cars	18	50000	Formaldehyde	1.18E-01	1.35E-05
HY03_Cars	18	110543	Hexane	1.19E-01	1.36E-05
HY03_Cars	18	67561	Methanol	8.96E-03	1.02E-06
HY03_Cars	18	78933	Methyl Ethyl Ketone	1.49E-03	1.70E-07
HY03_Cars	18	91203	Naphthalene	3.73E-03	4.26E-07
HY03_Cars	18	115071	Propylene	2.28E-01	2.61E-05
HY03_Cars	18	100425	Styrene	8.96E-03	1.02E-06
HY03_Cars	18	108883	Toluene	4.30E-01	4.91E-05
HY03_Cars	18	1330207	Xylenes	3.58E-01	4.09E-05
HY04_Cars	19	75070	Acetaldehyde	1.77E-03	2.02E-07
HY04_Cars	19	107028	Acrolein	8.22E-04	9.39E-08
HY04_Cars	19	71432	Benzene	1.56E-02	1.78E-06
HY04_Cars	19	106990	1,3-Butadiene	3.48E-03	3.97E-07
HY04_Cars	19	100414	Ethylbenzene	6.64E-03	7.58E-07
HY04_Cars	19	50000	Formaldehyde	9.99E-03	1.14E-06
HY04_Cars	19	110543	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	91203	Naphthalene	3.16E-04	3.61E-08
HY04_Cars	19	115071	Propylene	1.94E-02	2.21E-06
HY04_Cars	19	100425	Styrene	7.59E-04	8.67E-08
HY04_Cars	19	108883	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	107028	Acrolein	1.25E-02	1.43E-06
HY05_Cars	20	71432	Benzene	2.37E-01	2.71E-05
HY05_Cars	20	106990	1,3-Butadiene	5.29E-02	6.04E-06
HY05_Cars	20	100414	Ethylbenzene	1.01E-01	1.15E-05
HY05_Cars	20	50000	Formaldehyde	1.52E-01	1.73E-05
HY05_Cars	20	110543	Hexane	1.54E-01	1.76E-05
HY05_Cars	20	67561	Methanol	1.15E-02	1.32E-06
HY05_Cars	20	78933	Methyl Ethyl Ketone	1.92E-03	2.20E-07
HY05_Cars	20	91203	Naphthalene	4.81E-03	5.49E-07
HY05_Cars	20	115071	Propylene	2.94E-01	3.36E-05
HY05_Cars	20	100425	Styrene	1.15E-02	1.32E-06
HY05_Cars	20	108883	Toluene	5.54E-01	6.32E-05
HY05_Cars	20	1330207	Xylenes	4.62E-01	5.27E-05
HY06_Cars	21	75070	Acetaldehyde	3.72E-02	4.25E-06
HY06_Cars	21	107028	Acrolein	1.73E-02	1.97E-06
HY06_Cars	21	71432	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	50000	Formaldehyde	2.10E-01	2.40E-05
HY06_Cars	21	110543	Hexane	2.13E-01	2.43E-05
HY06_Cars	21	67561	Methanol	1.59E-02	1.82E-06
HY06_Cars	21	78933	Methyl Ethyl Ketone	2.66E-03	3.03E-07
HY06_Cars	21	91203	Naphthalene	6.64E-03	7.58E-07
HY06_Cars	21	115071	Propylene	4.06E-01	4.64E-05
HY06_Cars	21	100425	Styrene	1.59E-02	1.82E-06
HY06_Cars	21	108883	Toluene	7.65E-01	8.73E-05
HY06_Cars	21	1330207	Xylenes	6.38E-01	7.28E-05
PEN1_Trucks	22	75070	Acetaldehyde	4.88E-01	5.57E-05
PEN1_Trucks	22	107028	Acrolein	2.26E-01	2.58E-05
PEN1_Trucks	22	71432	Benzene	4.30E+00	4.91E-04
PEN1_Trucks	22	106990	1,3-Butadiene	9.58E-01	1.09E-04
PEN1_Trucks	22	100414	Ethylbenzene	1.83E+00	2.09E-04
PEN1_Trucks	22	50000	Formaldehyde	2.75E+00	3.14E-04
PEN1_Trucks	22	110543	Hexane	2.79E+00	3.18E-04
PEN1_Trucks	22	67561	Methanol	2.09E-01	2.39E-05
PEN1_Trucks	22	78933	Methyl Ethyl Ketone	3.48E-02	3.98E-06
PEN1_Trucks	22	91203	Naphthalene	8.71E-02	9.94E-06
PEN1_Trucks	22	115071	Propylene	5.33E+00	6.08E-04
PEN1_Trucks	22	100425	Styrene	2.09E-01	2.39E-05
PEN1_Trucks	22	108883	Toluene	1.00E+01	1.15E-03
PEN1_Trucks	22	1330207	Xylenes	8.36E+00	9.54E-04
COR1_Trucks	23	75070	Acetaldehyde	3.03E-03	3.46E-07
COR1_Trucks	23	107028	Acrolein	1.41E-03	1.61E-07
COR1_Trucks	23	71432	Benzene	2.67E-02	3.05E-06
COR1_Trucks	23	106990	1,3-Butadiene	5.95E-03	6.79E-07
COR1_Trucks	23	100414	Ethylbenzene	1.14E-02	1.30E-06
COR1_Trucks	23	50000	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	91203	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	Xylenes	5.19E-02	5.93E-06
COR2_Trucks	24	75070	Acetaldehyde	5.15E-02	5.88E-06
COR2_Trucks	24	107028	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	50000	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	115071	Propylene	5.63E-01	6.42E-05
COR2_Trucks	24	100425	Styrene	2.21E-02	2.52E-06
COR2_Trucks	24	108883	Toluene	1.06E+00	1.21E-04
COR2_Trucks	24	1330207	Xylenes	8.83E-01	1.01E-04
PEN2_Trucks	25	75070	Acetaldehyde	5.55E-02	6.34E-06
PEN2_Trucks	25	107028	Acrolein	2.58E-02	2.94E-06
PEN2_Trucks	25	71432	Benzene	4.90E-01	5.59E-05
PEN2_Trucks	25	106990	1,3-Butadiene	1.09E-01	1.25E-05
PEN2_Trucks	25	100414	Ethylbenzene	2.08E-01	2.38E-05
PEN2_Trucks	25	50000	Formaldehyde	3.13E-01	3.58E-05
PEN2_Trucks	25	110543	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	91203	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	108883	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	106990	1,3-Butadiene	1.33E-01	1.52E-05
HY01_Trucks	26	100414	Ethylbenzene	2.54E-01	2.90E-05
HY01_Trucks	26	50000	Formaldehyde	3.82E-01	4.36E-05
HY01_Trucks	26	110543	Hexane	3.87E-01	4.41E-05
HY01_Trucks	26	67561	Methanol	2.90E-02	3.31E-06
HY01_Trucks	26	78933	Methyl Ethyl Ketone	4.83E-03	5.52E-07
HY01_Trucks	26	91203	Naphthalene	1.21E-02	1.38E-06
HY01_Trucks	26	115071	Propylene	7.39E-01	8.44E-05
HY01_Trucks	26	100425	Styrene	2.90E-02	3.31E-06
HY01_Trucks	26	108883	Toluene	1.39E+00	1.59E-04
HY01_Trucks	26	1330207	Xylenes	1.16E+00	1.32E-04
HY02_Trucks	27	75070	Acetaldehyde	1.08E-01	1.23E-05
HY02_Trucks	27	107028	Acrolein	5.02E-02	5.73E-06
HY02_Trucks	27	71432	Benzene	9.53E-01	1.09E-04
HY02_Trucks	27	106990	1,3-Butadiene	2.12E-01	2.42E-05
HY02_Trucks	27	100414	Ethylbenzene	4.05E-01	4.63E-05
HY02_Trucks	27	50000	Formaldehyde	6.10E-01	6.96E-05
HY02_Trucks	27	110543	Hexane	6.17E-01	7.05E-05
HY02_Trucks	27	67561	Methanol	4.63E-02	5.29E-06
HY02_Trucks	27	78933	Methyl Ethyl Ketone	7.72E-03	8.81E-07
HY02_Trucks	27	91203	Naphthalene	1.93E-02	2.20E-06
HY02_Trucks	27	115071	Propylene	1.18E+00	1.35E-04
HY02_Trucks	27	100425	Styrene	4.63E-02	5.29E-06
HY02_Trucks	27	108883	Toluene	2.22E+00	2.54E-04
HY02_Trucks	27	1330207	Xylenes	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	100414	Ethylbenzene	2.04E-01	2.33E-05
PEN3_Trucks	28	50000	Formaldehyde	3.08E-01	3.51E-05
PEN3_Trucks	28	110543	Hexane	3.12E-01	3.56E-05
PEN3_Trucks	28	67561	Methanol	2.34E-02	2.67E-06
PEN3_Trucks	28	78933	Methyl Ethyl Ketone	3.89E-03	4.45E-07
PEN3_Trucks	28	91203	Naphthalene	9.74E-03	1.11E-06
PEN3_Trucks	28	115071	Propylene	5.96E-01	6.80E-05
PEN3_Trucks	28	100425	Styrene	2.34E-02	2.67E-06
PEN3_Trucks	28	108883	Toluene	1.12E+00	1.28E-04
PEN3_Trucks	28	1330207	Xylenes	9.35E-01	1.07E-04
PEN4_Trucks	29	75070	Acetaldehyde	7.47E-02	8.53E-06
PEN4_Trucks	29	107028	Acrolein	3.47E-02	3.96E-06
PEN4_Trucks	29	71432	Benzene	6.59E-01	7.52E-05
PEN4_Trucks	29	106990	1,3-Butadiene	1.47E-01	1.68E-05
PEN4_Trucks	29	100414	Ethylbenzene	2.80E-01	3.20E-05
PEN4_Trucks	29	50000	Formaldehyde	4.22E-01	4.81E-05
PEN4_Trucks	29	110543	Hexane	4.27E-01	4.87E-05
PEN4_Trucks	29	67561	Methanol	3.20E-02	3.66E-06
PEN4_Trucks	29	78933	Methyl Ethyl Ketone	5.34E-03	6.09E-07
PEN4_Trucks	29	91203	Naphthalene	1.33E-02	1.52E-06
PEN4_Trucks	29	115071	Propylene	8.17E-01	9.32E-05
PEN4_Trucks	29	100425	Styrene	3.20E-02	3.66E-06
PEN4_Trucks	29	108883	Toluene	1.54E+00	1.75E-04
PEN4_Trucks	29	1330207	Xylenes	1.28E+00	1.46E-04
WTX1_Trucks	30	75070	Acetaldehyde	2.02E-02	2.31E-06
WTX1_Trucks	30	107028	Acrolein	9.38E-03	1.07E-06
WTX1_Trucks	30	71432	Benzene	1.78E-01	2.03E-05
WTX1_Trucks	30	106990	1,3-Butadiene	3.97E-02	4.53E-06
WTX1_Trucks	30	100414	Ethylbenzene	7.57E-02	8.65E-06
WTX1_Trucks	30	50000	Formaldehyde	1.14E-01	1.30E-05
WTX1_Trucks	30	110543	Hexane	1.15E-01	1.32E-05
WTX1_Trucks	30	67561	Methanol	8.65E-03	9.88E-07
WTX1_Trucks	30	78933	Methyl Ethyl Ketone	1.44E-03	1.65E-07
WTX1_Trucks	30	91203	Naphthalene	3.61E-03	4.12E-07
WTX1_Trucks	30	115071	Propylene	2.21E-01	2.52E-05
WTX1_Trucks	30	100425	Styrene	8.65E-03	9.88E-07
WTX1_Trucks	30	108883	Toluene	4.15E-01	4.74E-05
WTX1_Trucks	30	1330207	Xylenes	3.46E-01	3.95E-05
BEK1_Trucks	31	75070	Acetaldehyde	6.97E-02	7.95E-06
BEK1_Trucks	31	107028	Acrolein	3.23E-02	3.69E-06
BEK1_Trucks	31	71432	Benzene	6.15E-01	7.02E-05
BEK1_Trucks	31	106990	1,3-Butadiene	1.37E-01	1.56E-05
BEK1_Trucks	31	100414	Ethylbenzene	2.61E-01	2.98E-05

BEK1_Trucks	31	50000	Formaldehyde	3.93E-01	4.49E-05
BEK1_Trucks	31	110543	Hexane	3.98E-01	4.54E-05
BEK1_Trucks	31	67561	Methanol	2.99E-02	3.41E-06
BEK1_Trucks	31	78933	Methyl Ethyl Ketone	4.98E-03	5.68E-07
BEK1_Trucks	31	91203	Naphthalene	1.24E-02	1.42E-06
BEK1_Trucks	31	115071	Propylene	7.61E-01	8.69E-05
BEK1_Trucks	31	100425	Styrene	2.99E-02	3.41E-06
BEK1_Trucks	31	108883	Toluene	1.43E+00	1.64E-04
BEK1_Trucks	31	1330207	Xylenes	1.19E+00	1.36E-04
BEK2_Trucks	32	75070	Acetaldehyde	6.97E-02	7.95E-06
BEK2_Trucks	32	107028	Acrolein	3.23E-02	3.69E-06
BEK2_Trucks	32	71432	Benzene	6.15E-01	7.02E-05
BEK2_Trucks	32	106990	1,3-Butadiene	1.37E-01	1.56E-05
BEK2_Trucks	32	100414	Ethylbenzene	2.61E-01	2.98E-05
BEK2_Trucks	32	50000	Formaldehyde	3.93E-01	4.49E-05
BEK2_Trucks	32	110543	Hexane	3.98E-01	4.54E-05
BEK2_Trucks	32	67561	Methanol	2.99E-02	3.41E-06
BEK2_Trucks	32	78933	Methyl Ethyl Ketone	4.98E-03	5.68E-07
BEK2_Trucks	32	91203	Naphthalene	1.24E-02	1.42E-06
BEK2_Trucks	32	115071	Propylene	7.61E-01	8.69E-05
BEK2_Trucks	32	100425	Styrene	2.99E-02	3.41E-06
BEK2_Trucks	32	108883	Toluene	1.43E+00	1.64E-04
BEK2_Trucks	32	1330207	Xylenes	1.19E+00	1.36E-04
HY04_Cars	19	75070	Acetaldehyde	5.05E-03	5.76E-07
COR3_Trucks	33	107028	Acrolein	4.69E-03	5.35E-07
COR3_Trucks	33	71432	Benzene	8.91E-02	1.02E-05
COR3_Trucks	33	106990	1,3-Butadiene	1.98E-02	2.26E-06
COR3_Trucks	33	100414	Ethylbenzene	3.79E-02	4.32E-06
COR3_Trucks	33	50000	Formaldehyde	5.70E-02	6.50E-06
COR3_Trucks	33	110543	Hexane	5.77E-02	6.59E-06
COR3_Trucks	33	67561	Methanol	4.33E-03	4.94E-07
COR3_Trucks	33	78933	Methyl Ethyl Ketone	7.21E-04	8.23E-08
COR3_Trucks	33	91203	Naphthalene	1.80E-03	2.06E-07
COR3_Trucks	33	115071	Propylene	1.10E-01	1.26E-05
COR3_Trucks	33	100425	Styrene	4.33E-03	4.94E-07
COR3_Trucks	33	108883	Toluene	2.08E-01	2.37E-05
COR3_Trucks	33	1330207	Xylenes	1.73E-01	1.98E-05
BEK3_Trucks	34	75070	Acetaldehyde	2.63E-02	3.00E-06
BEK3_Trucks	34	107028	Acrolein	1.22E-02	1.39E-06
BEK3_Trucks	34	71432	Benzene	2.32E-01	2.64E-05
BEK3_Trucks	34	106990	1,3-Butadiene	5.16E-02	5.89E-06
BEK3_Trucks	34	100414	Ethylbenzene	9.85E-02	1.12E-05
BEK3_Trucks	34	50000	Formaldehyde	1.48E-01	1.69E-05
BEK3_Trucks	34	110543	Hexane	1.50E-01	1.71E-05
BEK3_Trucks	34	67561	Methanol	1.13E-02	1.28E-06
BEK3_Trucks	34	78933	Methyl Ethyl Ketone	1.88E-03	2.14E-07
BEK3_Trucks	34	91203	Naphthalene	4.69E-03	5.35E-07

BEK3_Trucks	34	115071	Propylene	2.87E-01	3.28E-05
BEK3_Trucks	34	100425	Styrene	1.13E-02	1.28E-06
BEK3_Trucks	34	108883	Toluene	5.40E-01	6.17E-05
BEK3_Trucks	34	1330207	Xylenes	4.50E-01	5.14E-05
BEK4_Trucks	35	75070	Acetaldehyde	1.01E-02	1.15E-06
BEK4_Trucks	35	107028	Acrolein	4.69E-03	5.35E-07
BEK4_Trucks	35	71432	Benzene	8.91E-02	1.02E-05
BEK4_Trucks	35	106990	1,3-Butadiene	1.98E-02	2.26E-06
BEK4_Trucks	35	100414	Ethylbenzene	3.79E-02	4.32E-06
BEK4_Trucks	35	50000	Formaldehyde	5.70E-02	6.50E-06
BEK4_Trucks	35	110543	Hexane	5.77E-02	6.59E-06
BEK4_Trucks	35	67561	Methanol	4.33E-03	4.94E-07
BEK4_Trucks	35	78933	Methyl Ethyl Ketone	7.21E-04	8.23E-08
BEK4_Trucks	35	91203	Naphthalene	1.80E-03	2.06E-07
BEK4_Trucks	35	115071	Propylene	1.10E-01	1.26E-05
BEK4_Trucks	35	100425	Styrene	4.33E-03	4.94E-07
BEK4_Trucks	35	108883	Toluene	2.08E-01	2.37E-05
BEK4_Trucks	35	1330207	Xylenes	1.73E-01	1.98E-05
BEK5_Trucks	36	75070	Acetaldehyde	1.62E-02	1.84E-06
BEK5_Trucks	36	107028	Acrolein	7.50E-03	8.56E-07
BEK5_Trucks	36	71432	Benzene	1.43E-01	1.63E-05
BEK5_Trucks	36	106990	1,3-Butadiene	3.17E-02	3.62E-06
BEK5_Trucks	36	100414	Ethylbenzene	6.06E-02	6.92E-06
BEK5_Trucks	36	50000	Formaldehyde	9.12E-02	1.04E-05
BEK5_Trucks	36	110543	Hexane	9.23E-02	1.05E-05
BEK5_Trucks	36	67561	Methanol	6.92E-03	7.90E-07
BEK5_Trucks	36	78933	Methyl Ethyl Ketone	1.15E-03	1.32E-07
BEK5_Trucks	36	91203	Naphthalene	2.88E-03	3.29E-07
BEK5_Trucks	36	115071	Propylene	1.77E-01	2.02E-05
BEK5_Trucks	36	100425	Styrene	6.92E-03	7.90E-07
BEK5_Trucks	36	108883	Toluene	3.32E-01	3.79E-05
BEK5_Trucks	36	1330207	Xylenes	2.77E-01	3.16E-05
CBN1_Trucks	37	75070	Acetaldehyde	0.00E+00	0.00E+00
CBN1_Trucks	37	107028	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	78933	Methyl Ethyl Ketone	0.00E+00	0.00E+00
CBN1_Trucks	37	91203	Naphthalene	0.00E+00	0.00E+00
CBN1_Trucks	37	115071	Propylene	0.00E+00	0.00E+00
CBN1_Trucks	37	100425	Styrene	0.00E+00	0.00E+00
CBN1_Trucks	37	108883	Toluene	0.00E+00	0.00E+00
CBN1_Trucks	37	1330207	Xylenes	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	50000	Formaldehyde	0.00E+00	0.00E+00
CBN2_Trucks	38	110543	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	5.96E-02	6.80E-06
HY03_Trucks	39	107028	Acrolein	2.77E-02	3.16E-06
HY03_Trucks	39	71432	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	91203	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	115071	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	75070	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

SRC ID	SRC No.	CAS	Pollutant	(Full Build Ops - Onsite)	
				lb/yr	lb/hr
GEN_A	1	9901	DieselExhPM	1.40E+00	0.00E+00
GEN_BC	2	9901	DieselExhPM	1.40E+00	0.00E+00
GEN_D	3	9901	DieselExhPM	1.40E+00	0.00E+00
GEN_E	4	9901	DieselExhPM	1.40E+00	0.00E+00
GEN_F	5	9901	DieselExhPM	1.40E+00	0.00E+00
GEN_G	6	9901	DieselExhPM	1.40E+00	0.00E+00
FWP_A	7	9901	DieselExhPM	9.86E-01	0.00E+00
FWP_BC	8	9901	DieselExhPM	9.86E-01	0.00E+00
FWP_D	9	9901	DieselExhPM	9.86E-01	0.00E+00
FWP_E	10	9901	DieselExhPM	9.86E-01	0.00E+00
FWP_F	11	9901	DieselExhPM	9.86E-01	0.00E+00
FWP_G	12	9901	DieselExhPM	9.86E-01	0.00E+00
TRU_A	13	9901	DieselExhPM	2.65E+00	0.00E+00
TRU_BC	14	9901	DieselExhPM	1.29E+01	0.00E+00
TRU_D	15	9901	DieselExhPM	1.49E+00	0.00E+00
TRU_E	16	9901	DieselExhPM	1.49E+00	0.00E+00
TRU_F	17	9901	DieselExhPM	2.46E+00	0.00E+00
TRU_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+00	0.00E+00
FLD	21	9901	DieselExhPM	0.00E+00	0.00E+00
FLE	22	9901	DieselExhPM	0.00E+00	0.00E+00
FLF	23	9901	DieselExhPM	0.00E+00	0.00E+00
FLG	24	9901	DieselExhPM	0.00E+00	0.00E+00
CARS	25	9901	DieselExhPM	3.31E+00	0.00E+00
TRUCKS	26	9901	DieselExhPM	2.14E-01	0.00E+00
CARS	25	75070	Acetaldehyde	1.12E+00	1.28E-04
CARS	25	107028	Acrolein	5.22E-01	5.95E-05
CARS	25	71432	Benzene	9.91E+00	1.13E-03
CARS	25	106990	1,3-Butadiene	2.21E+00	2.52E-04
CARS	25	100414	Ethylbenzene	4.21E+00	4.81E-04
CARS	25	50000	Formaldehyde	6.34E+00	7.24E-04
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
TRUCKS	26	106990	1,3-Butadiene	1.02E-03	1.16E-07

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

SRC ID	SRC No.	CAS	Pollutant	(Interim Ops - Offsite)	
				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	3.15E+00	0.00E+00
COR1_Trucks	23	9901	DieselExhPM	1.96E-02	0.00E+00
COR2_Trucks	24	9901	DieselExhPM	3.33E-01	0.00E+00
PEN2_Trucks	25	9901	DieselExhPM	3.59E-01	0.00E+00
HY01_Trucks	26	9901	DieselExhPM	4.37E-01	0.00E+00
HY02_Trucks	27	9901	DieselExhPM	6.98E-01	0.00E+00
PEN3_Trucks	28	9901	DieselExhPM	3.52E-01	0.00E+00
PEN4_Trucks	29	9901	DieselExhPM	4.83E-01	0.00E+00
WTX1_Trucks	30	9901	DieselExhPM	1.31E-01	0.00E+00
BEK1_Trucks	31	9901	DieselExhPM	4.50E-01	0.00E+00
BEK2_Trucks	32	9901	DieselExhPM	4.50E-01	0.00E+00
COR3_Trucks	33	9901	DieselExhPM	6.53E-02	0.00E+00
BEK3_Trucks	34	9901	DieselExhPM	1.70E-01	0.00E+00
BEK4_Trucks	35	9901	DieselExhPM	6.53E-02	0.00E+00
BEK5_Trucks	36	9901	DieselExhPM	1.04E-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	3.85E-01	0.00E+00
HY04_Trucks	40	9901	DieselExhPM	3.26E-02	0.00E+00
HY05_Trucks	41	9901	DieselExhPM	4.96E-01	0.00E+00
HY06_Trucks	42	9901	DieselExhPM	6.85E-01	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

PEN1_Cars	1	71432	Benzene	1.05E+00	1.20E-04
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	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 Ketone	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	107028	Acrolein	3.42E-04	3.91E-08
COR1_Cars	2	71432	Benzene	6.50E-03	7.42E-07
COR1_Cars	2	106990	1,3-Butadiene	1.45E-03	1.65E-07
COR1_Cars	2	100414	Ethylbenzene	2.76E-03	3.16E-07
COR1_Cars	2	50000	Formaldehyde	4.16E-03	4.75E-07
COR1_Cars	2	110543	Hexane	4.21E-03	4.81E-07
COR1_Cars	2	67561	Methanol	3.16E-04	3.61E-08
COR1_Cars	2	78933	Methyl Ethyl Ketone	5.27E-05	6.01E-09
COR1_Cars	2	91203	Naphthalene	1.32E-04	1.50E-08
COR1_Cars	2	115071	Propylene	8.06E-03	9.20E-07
COR1_Cars	2	100425	Styrene	3.16E-04	3.61E-08
COR1_Cars	2	108883	Toluene	1.52E-02	1.73E-06
COR1_Cars	2	1330207	Xylenes	1.26E-02	1.44E-06
COR2_Cars	3	75070	Acetaldehyde	1.25E-02	1.43E-06
COR2_Cars	3	107028	Acrolein	5.82E-03	6.64E-07
COR2_Cars	3	71432	Benzene	1.11E-01	1.26E-05
COR2_Cars	3	106990	1,3-Butadiene	2.46E-02	2.81E-06
COR2_Cars	3	100414	Ethylbenzene	4.70E-02	5.36E-06
COR2_Cars	3	50000	Formaldehyde	7.07E-02	8.07E-06
COR2_Cars	3	110543	Hexane	7.16E-02	8.17E-06
COR2_Cars	3	67561	Methanol	5.37E-03	6.13E-07
COR2_Cars	3	78933	Methyl Ethyl Ketone	8.95E-04	1.02E-07
COR2_Cars	3	91203	Naphthalene	2.24E-03	2.55E-07
COR2_Cars	3	115071	Propylene	1.37E-01	1.56E-05
COR2_Cars	3	100425	Styrene	5.37E-03	6.13E-07
COR2_Cars	3	108883	Toluene	2.58E-01	2.94E-05
COR2_Cars	3	1330207	Xylenes	2.15E-01	2.45E-05
PEN2_Cars	4	75070	Acetaldehyde	1.35E-02	1.54E-06
PEN2_Cars	4	107028	Acrolein	6.27E-03	7.16E-07
PEN2_Cars	4	71432	Benzene	1.19E-01	1.36E-05
PEN2_Cars	4	106990	1,3-Butadiene	2.65E-02	3.03E-06
PEN2_Cars	4	100414	Ethylbenzene	5.07E-02	5.79E-06
PEN2_Cars	4	50000	Formaldehyde	7.63E-02	8.71E-06
PEN2_Cars	4	110543	Hexane	7.72E-02	8.82E-06

PEN2_Cars	4	67561	Methanol	5.79E-03	6.61E-07
PEN2_Cars	4	78933	Methyl Ethyl Ketone	9.65E-04	1.10E-07
PEN2_Cars	4	91203	Naphthalene	2.41E-03	2.76E-07
PEN2_Cars	4	115071	Propylene	1.48E-01	1.69E-05
PEN2_Cars	4	100425	Styrene	5.79E-03	6.61E-07
PEN2_Cars	4	108883	Toluene	2.78E-01	3.17E-05
PEN2_Cars	4	1330207	Xylenes	2.32E-01	2.64E-05
HY01_Cars	5	75070	Acetaldehyde	1.65E-02	1.88E-06
HY01_Cars	5	107028	Acrolein	7.64E-03	8.73E-07
HY01_Cars	5	71432	Benzene	1.45E-01	1.66E-05
HY01_Cars	5	106990	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 Ketone	1.18E-03	1.34E-07
HY01_Cars	5	91203	Naphthalene	2.94E-03	3.36E-07
HY01_Cars	5	115071	Propylene	1.80E-01	2.05E-05
HY01_Cars	5	100425	Styrene	7.06E-03	8.05E-07
HY01_Cars	5	108883	Toluene	3.39E-01	3.87E-05
HY01_Cars	5	1330207	Xylenes	2.82E-01	3.22E-05
HY02_Cars	6	75070	Acetaldehyde	2.63E-02	3.00E-06
HY02_Cars	6	107028	Acrolein	1.22E-02	1.39E-06
HY02_Cars	6	71432	Benzene	2.32E-01	2.65E-05
HY02_Cars	6	106990	1,3-Butadiene	5.16E-02	5.90E-06
HY02_Cars	6	100414	Ethylbenzene	9.86E-02	1.13E-05
HY02_Cars	6	50000	Formaldehyde	1.48E-01	1.69E-05
HY02_Cars	6	110543	Hexane	1.50E-01	1.72E-05
HY02_Cars	6	67561	Methanol	1.13E-02	1.29E-06
HY02_Cars	6	78933	Methyl Ethyl Ketone	1.88E-03	2.14E-07
HY02_Cars	6	91203	Naphthalene	4.70E-03	5.36E-07
HY02_Cars	6	115071	Propylene	2.87E-01	3.28E-05
HY02_Cars	6	100425	Styrene	1.13E-02	1.29E-06
HY02_Cars	6	108883	Toluene	5.41E-01	6.17E-05
HY02_Cars	6	1330207	Xylenes	4.51E-01	5.15E-05
PEN3_Cars	7	75070	Acetaldehyde	1.33E-02	1.51E-06
PEN3_Cars	7	107028	Acrolein	6.16E-03	7.03E-07
PEN3_Cars	7	71432	Benzene	1.17E-01	1.34E-05
PEN3_Cars	7	106990	1,3-Butadiene	2.61E-02	2.98E-06
PEN3_Cars	7	100414	Ethylbenzene	4.98E-02	5.68E-06
PEN3_Cars	7	50000	Formaldehyde	7.49E-02	8.55E-06
PEN3_Cars	7	110543	Hexane	7.58E-02	8.66E-06
PEN3_Cars	7	67561	Methanol	5.69E-03	6.49E-07
PEN3_Cars	7	78933	Methyl Ethyl Ketone	9.48E-04	1.08E-07
PEN3_Cars	7	91203	Naphthalene	2.37E-03	2.70E-07
PEN3_Cars	7	115071	Propylene	1.45E-01	1.66E-05
PEN3_Cars	7	100425	Styrene	5.69E-03	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	107028	Acrolein	8.44E-03	9.64E-07
PEN4_Cars	8	71432	Benzene	1.60E-01	1.83E-05
PEN4_Cars	8	106990	1,3-Butadiene	3.57E-02	4.08E-06
PEN4_Cars	8	100414	Ethylbenzene	6.82E-02	7.78E-06
PEN4_Cars	8	50000	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 Ketone	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	108883	Toluene	3.74E-01	4.27E-05
PEN4_Cars	8	1330207	Xylenes	3.12E-01	3.56E-05
WTX1_Cars	9	75070	Acetaldehyde	4.91E-03	5.61E-07
WTX1_Cars	9	107028	Acrolein	2.28E-03	2.60E-07
WTX1_Cars	9	71432	Benzene	4.34E-02	4.95E-06
WTX1_Cars	9	106990	1,3-Butadiene	9.65E-03	1.10E-06
WTX1_Cars	9	100414	Ethylbenzene	1.84E-02	2.10E-06
WTX1_Cars	9	50000	Formaldehyde	2.77E-02	3.17E-06
WTX1_Cars	9	110543	Hexane	2.81E-02	3.21E-06
WTX1_Cars	9	67561	Methanol	2.11E-03	2.40E-07
WTX1_Cars	9	78933	Methyl Ethyl Ketone	3.51E-04	4.01E-08
WTX1_Cars	9	91203	Naphthalene	8.78E-04	1.00E-07
WTX1_Cars	9	115071	Propylene	5.37E-02	6.13E-06
WTX1_Cars	9	100425	Styrene	2.11E-03	2.40E-07
WTX1_Cars	9	108883	Toluene	1.01E-01	1.15E-05
WTX1_Cars	9	1330207	Xylenes	8.43E-02	9.62E-06
BEK1_Cars	10	75070	Acetaldehyde	1.70E-02	1.94E-06
BEK1_Cars	10	107028	Acrolein	7.87E-03	8.99E-07
BEK1_Cars	10	71432	Benzene	1.50E-01	1.71E-05
BEK1_Cars	10	106990	1,3-Butadiene	3.33E-02	3.80E-06
BEK1_Cars	10	100414	Ethylbenzene	6.36E-02	7.26E-06
BEK1_Cars	10	50000	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	78933	Methyl Ethyl Ketone	1.21E-03	1.38E-07
BEK1_Cars	10	91203	Naphthalene	3.03E-03	3.46E-07
BEK1_Cars	10	115071	Propylene	1.85E-01	2.12E-05
BEK1_Cars	10	100425	Styrene	7.27E-03	8.30E-07
BEK1_Cars	10	108883	Toluene	3.49E-01	3.98E-05
BEK1_Cars	10	1330207	Xylenes	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

BEK2_Cars	11	106990	1,3-Butadiene	3.33E-02	3.80E-06
BEK2_Cars	11	100414	Ethylbenzene	6.36E-02	7.26E-06
BEK2_Cars	11	50000	Formaldehyde	9.57E-02	1.09E-05
BEK2_Cars	11	110543	Hexane	9.69E-02	1.11E-05
BEK2_Cars	11	67561	Methanol	7.27E-03	8.30E-07
BEK2_Cars	11	78933	Methyl Ethyl Ketor	1.21E-03	1.38E-07
BEK2_Cars	11	91203	Naphthalene	3.03E-03	3.46E-07
BEK2_Cars	11	115071	Propylene	1.85E-01	2.12E-05
BEK2_Cars	11	100425	Styrene	7.27E-03	8.30E-07
BEK2_Cars	11	108883	Toluene	3.49E-01	3.98E-05
BEK2_Cars	11	1330207	Xylenes	2.91E-01	3.32E-05
COR3_Cars	12	75070	Acetaldehyde	2.46E-03	2.81E-07
COR3_Cars	12	107028	Acrolein	1.14E-03	1.30E-07
COR3_Cars	12	71432	Benzene	2.17E-02	2.47E-06
COR3_Cars	12	106990	1,3-Butadiene	4.83E-03	5.51E-07
COR3_Cars	12	100414	Ethylbenzene	9.21E-03	1.05E-06
COR3_Cars	12	50000	Formaldehyde	1.39E-02	1.58E-06
COR3_Cars	12	110543	Hexane	1.40E-02	1.60E-06
COR3_Cars	12	67561	Methanol	1.05E-03	1.20E-07
COR3_Cars	12	78933	Methyl Ethyl Ketor	1.76E-04	2.00E-08
COR3_Cars	12	91203	Naphthalene	4.39E-04	5.01E-08
COR3_Cars	12	115071	Propylene	2.69E-02	3.07E-06
COR3_Cars	12	100425	Styrene	1.05E-03	1.20E-07
COR3_Cars	12	108883	Toluene	5.06E-02	5.77E-06
COR3_Cars	12	1330207	Xylenes	4.21E-02	4.81E-06
BEK3_Cars	13	75070	Acetaldehyde	6.39E-03	7.29E-07
BEK3_Cars	13	107028	Acrolein	2.97E-03	3.39E-07
BEK3_Cars	13	71432	Benzene	5.64E-02	6.43E-06
BEK3_Cars	13	106990	1,3-Butadiene	1.25E-02	1.43E-06
BEK3_Cars	13	100414	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	108883	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	50000	Formaldehyde	1.39E-02	1.58E-06
BEK4_Cars	14	110543	Hexane	1.40E-02	1.60E-06
BEK4_Cars	14	67561	Methanol	1.05E-03	1.20E-07

BEK4_Cars	14	78933	Methyl Ethyl Ketor	1.76E-04	2.00E-08
BEK4_Cars	14	91203	Naphthalene	4.39E-04	5.01E-08
BEK4_Cars	14	115071	Propylene	2.69E-02	3.07E-06
BEK4_Cars	14	100425	Styrene	1.05E-03	1.20E-07
BEK4_Cars	14	108883	Toluene	5.06E-02	5.77E-06
BEK4_Cars	14	1330207	Xylenes	4.21E-02	4.81E-06
BEK5_Cars	15	75070	Acetaldehyde	3.93E-03	4.49E-07
BEK5_Cars	15	107028	Acrolein	1.83E-03	2.08E-07
BEK5_Cars	15	71432	Benzene	3.47E-02	3.96E-06
BEK5_Cars	15	106990	1,3-Butadiene	7.72E-03	8.82E-07
BEK5_Cars	15	100414	Ethylbenzene	1.47E-02	1.68E-06
BEK5_Cars	15	50000	Formaldehyde	2.22E-02	2.53E-06
BEK5_Cars	15	110543	Hexane	2.25E-02	2.56E-06
BEK5_Cars	15	67561	Methanol	1.69E-03	1.92E-07
BEK5_Cars	15	78933	Methyl Ethyl Ketor	2.81E-04	3.21E-08
BEK5_Cars	15	91203	Naphthalene	7.02E-04	8.01E-08
BEK5_Cars	15	115071	Propylene	4.30E-02	4.90E-06
BEK5_Cars	15	100425	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	100414	Ethylbenzene	0.00E+00	0.00E+00
CBN1_Cars	16	50000	Formaldehyde	0.00E+00	0.00E+00
CBN1_Cars	16	110543	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	91203	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	Xylenes	0.00E+00	0.00E+00
CBN2_Cars	17	75070	Acetaldehyde	0.00E+00	0.00E+00
CBN2_Cars	17	107028	Acrolein	0.00E+00	0.00E+00
CBN2_Cars	17	71432	Benzene	0.00E+00	0.00E+00
CBN2_Cars	17	106990	1,3-Butadiene	0.00E+00	0.00E+00
CBN2_Cars	17	100414	Ethylbenzene	0.00E+00	0.00E+00
CBN2_Cars	17	50000	Formaldehyde	0.00E+00	0.00E+00
CBN2_Cars	17	110543	Hexane	0.00E+00	0.00E+00
CBN2_Cars	17	67561	Methanol	0.00E+00	0.00E+00
CBN2_Cars	17	78933	Methyl Ethyl Ketor	0.00E+00	0.00E+00
CBN2_Cars	17	91203	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	Xylenes	0.00E+00	0.00E+00
HY03_Cars	18	75070	Acetaldehyde	1.45E-02	1.66E-06
HY03_Cars	18	107028	Acrolein	6.73E-03	7.68E-07
HY03_Cars	18	71432	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	110543	Hexane	8.28E-02	9.46E-06
HY03_Cars	18	67561	Methanol	6.21E-03	7.09E-07
HY03_Cars	18	78933	Methyl Ethyl Ketor	1.04E-03	1.18E-07
HY03_Cars	18	91203	Naphthalene	2.59E-03	2.96E-07
HY03_Cars	18	115071	Propylene	1.58E-01	1.81E-05
HY03_Cars	18	100425	Styrene	6.21E-03	7.09E-07
HY03_Cars	18	108883	Toluene	2.98E-01	3.40E-05
HY03_Cars	18	1330207	Xylenes	2.49E-01	2.84E-05
HY04_Cars	19	75070	Acetaldehyde	1.23E-03	1.40E-07
HY04_Cars	19	107028	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	100414	Ethylbenzene	4.61E-03	5.26E-07
HY04_Cars	19	50000	Formaldehyde	6.93E-03	7.91E-07
HY04_Cars	19	110543	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	100425	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	100414	Ethylbenzene	7.00E-02	7.99E-06
HY05_Cars	20	50000	Formaldehyde	1.05E-01	1.20E-05
HY05_Cars	20	110543	Hexane	1.07E-01	1.22E-05
HY05_Cars	20	67561	Methanol	8.00E-03	9.14E-07
HY05_Cars	20	78933	Methyl Ethyl Ketor	1.33E-03	1.52E-07
HY05_Cars	20	91203	Naphthalene	3.33E-03	3.81E-07
HY05_Cars	20	115071	Propylene	2.04E-01	2.33E-05
HY05_Cars	20	100425	Styrene	8.00E-03	9.14E-07
HY05_Cars	20	108883	Toluene	3.84E-01	4.39E-05
HY05_Cars	20	1330207	Xylenes	3.20E-01	3.65E-05
HY06_Cars	21	75070	Acetaldehyde	2.58E-02	2.95E-06
HY06_Cars	21	107028	Acrolein	1.20E-02	1.37E-06
HY06_Cars	21	71432	Benzene	2.28E-01	2.60E-05
HY06_Cars	21	106990	1,3-Butadiene	5.07E-02	5.79E-06

HY06_Cars	21	100414	Ethylbenzene	9.68E-02	1.10E-05
HY06_Cars	21	50000	Formaldehyde	1.46E-01	1.66E-05
HY06_Cars	21	110543	Hexane	1.47E-01	1.68E-05
HY06_Cars	21	67561	Methanol	1.11E-02	1.26E-06
HY06_Cars	21	78933	Methyl Ethyl Ketone	1.84E-03	2.10E-07
HY06_Cars	21	91203	Naphthalene	4.61E-03	5.26E-07
HY06_Cars	21	115071	Propylene	2.82E-01	3.22E-05
HY06_Cars	21	100425	Styrene	1.11E-02	1.26E-06
HY06_Cars	21	108883	Toluene	5.31E-01	6.06E-05
HY06_Cars	21	1330207	Xylenes	4.42E-01	5.05E-05
PEN1_Trucks	22	75070	Acetaldehyde	3.30E-01	3.76E-05
PEN1_Trucks	22	107028	Acrolein	1.53E-01	1.75E-05
PEN1_Trucks	22	71432	Benzene	2.91E+00	3.32E-04
PEN1_Trucks	22	106990	1,3-Butadiene	6.48E-01	7.39E-05
PEN1_Trucks	22	100414	Ethylbenzene	1.24E+00	1.41E-04
PEN1_Trucks	22	50000	Formaldehyde	1.86E+00	2.12E-04
PEN1_Trucks	22	110543	Hexane	1.88E+00	2.15E-04
PEN1_Trucks	22	67561	Methanol	1.41E-01	1.61E-05
PEN1_Trucks	22	78933	Methyl Ethyl Ketone	2.36E-02	2.69E-06
PEN1_Trucks	22	91203	Naphthalene	5.89E-02	6.72E-06
PEN1_Trucks	22	115071	Propylene	3.60E+00	4.11E-04
PEN1_Trucks	22	100425	Styrene	1.41E-01	1.61E-05
PEN1_Trucks	22	108883	Toluene	6.78E+00	7.74E-04
PEN1_Trucks	22	1330207	Xylenes	5.65E+00	6.45E-04
COR1_Trucks	23	75070	Acetaldehyde	2.05E-03	2.34E-07
COR1_Trucks	23	107028	Acrolein	9.51E-04	1.09E-07
COR1_Trucks	23	71432	Benzene	1.81E-02	2.06E-06
COR1_Trucks	23	106990	1,3-Butadiene	4.02E-03	4.59E-07
COR1_Trucks	23	100414	Ethylbenzene	7.68E-03	8.77E-07
COR1_Trucks	23	50000	Formaldehyde	1.16E-02	1.32E-06
COR1_Trucks	23	110543	Hexane	1.17E-02	1.34E-06
COR1_Trucks	23	67561	Methanol	8.78E-04	1.00E-07
COR1_Trucks	23	78933	Methyl Ethyl Ketone	1.46E-04	1.67E-08
COR1_Trucks	23	91203	Naphthalene	3.66E-04	4.17E-08
COR1_Trucks	23	115071	Propylene	2.24E-02	2.55E-06
COR1_Trucks	23	100425	Styrene	8.78E-04	1.00E-07
COR1_Trucks	23	108883	Toluene	4.21E-02	4.81E-06
COR1_Trucks	23	1330207	Xylenes	3.51E-02	4.01E-06
COR2_Trucks	24	75070	Acetaldehyde	3.48E-02	3.97E-06
COR2_Trucks	24	107028	Acrolein	1.62E-02	1.85E-06
COR2_Trucks	24	71432	Benzene	3.07E-01	3.51E-05
COR2_Trucks	24	106990	1,3-Butadiene	6.84E-02	7.81E-06
COR2_Trucks	24	100414	Ethylbenzene	1.31E-01	1.49E-05
COR2_Trucks	24	50000	Formaldehyde	1.96E-01	2.24E-05
COR2_Trucks	24	110543	Hexane	1.99E-01	2.27E-05
COR2_Trucks	24	67561	Methanol	1.49E-02	1.70E-06
COR2_Trucks	24	78933	Methyl Ethyl Ketone	2.49E-03	2.84E-07

COR2_Trucks	24	91203	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	107028	Acrolein	1.74E-02	1.99E-06
PEN2_Trucks	25	71432	Benzene	3.31E-01	3.78E-05
PEN2_Trucks	25	106990	1,3-Butadiene	7.38E-02	8.42E-06
PEN2_Trucks	25	100414	Ethylbenzene	1.41E-01	1.61E-05
PEN2_Trucks	25	50000	Formaldehyde	2.12E-01	2.42E-05
PEN2_Trucks	25	110543	Hexane	2.15E-01	2.45E-05
PEN2_Trucks	25	67561	Methanol	1.61E-02	1.84E-06
PEN2_Trucks	25	78933	Methyl Ethyl Ketone	2.68E-03	3.06E-07
PEN2_Trucks	25	91203	Naphthalene	6.70E-03	7.65E-07
PEN2_Trucks	25	115071	Propylene	4.10E-01	4.68E-05
PEN2_Trucks	25	100425	Styrene	1.61E-02	1.84E-06
PEN2_Trucks	25	108883	Toluene	7.72E-01	8.82E-05
PEN2_Trucks	25	1330207	Xylenes	6.44E-01	7.35E-05
HY01_Trucks	26	75070	Acetaldehyde	4.57E-02	5.22E-06
HY01_Trucks	26	107028	Acrolein	2.12E-02	2.42E-06
HY01_Trucks	26	71432	Benzene	4.03E-01	4.61E-05
HY01_Trucks	26	106990	1,3-Butadiene	8.98E-02	1.03E-05
HY01_Trucks	26	100414	Ethylbenzene	1.72E-01	1.96E-05
HY01_Trucks	26	50000	Formaldehyde	2.58E-01	2.95E-05
HY01_Trucks	26	110543	Hexane	2.61E-01	2.98E-05
HY01_Trucks	26	67561	Methanol	1.96E-02	2.24E-06
HY01_Trucks	26	78933	Methyl Ethyl Ketone	3.27E-03	3.73E-07
HY01_Trucks	26	91203	Naphthalene	8.17E-03	9.32E-07
HY01_Trucks	26	115071	Propylene	5.00E-01	5.71E-05
HY01_Trucks	26	100425	Styrene	1.96E-02	2.24E-06
HY01_Trucks	26	108883	Toluene	9.41E-01	1.07E-04
HY01_Trucks	26	1330207	Xylenes	7.84E-01	8.95E-05
HY02_Trucks	27	75070	Acetaldehyde	7.30E-02	8.34E-06
HY02_Trucks	27	107028	Acrolein	3.39E-02	3.87E-06
HY02_Trucks	27	71432	Benzene	6.44E-01	7.36E-05
HY02_Trucks	27	106990	1,3-Butadiene	1.43E-01	1.64E-05
HY02_Trucks	27	100414	Ethylbenzene	2.74E-01	3.13E-05
HY02_Trucks	27	50000	Formaldehyde	4.12E-01	4.71E-05
HY02_Trucks	27	110543	Hexane	4.17E-01	4.76E-05
HY02_Trucks	27	67561	Methanol	3.13E-02	3.57E-06
HY02_Trucks	27	78933	Methyl Ethyl Ketone	5.22E-03	5.96E-07
HY02_Trucks	27	91203	Naphthalene	1.30E-02	1.49E-06
HY02_Trucks	27	115071	Propylene	7.98E-01	9.11E-05
HY02_Trucks	27	100425	Styrene	3.13E-02	3.57E-06
HY02_Trucks	27	108883	Toluene	1.50E+00	1.72E-04
HY02_Trucks	27	1330207	Xylenes	1.25E+00	1.43E-04

PEN3_Trucks	28	75070	Acetaldehyde	3.69E-02	4.21E-06
PEN3_Trucks	28	107028	Acrolein	1.71E-02	1.95E-06
PEN3_Trucks	28	71432	Benzene	3.25E-01	3.71E-05
PEN3_Trucks	28	106990	1,3-Butadiene	7.24E-02	8.27E-06
PEN3_Trucks	28	100414	Ethylbenzene	1.38E-01	1.58E-05
PEN3_Trucks	28	50000	Formaldehyde	2.08E-01	2.37E-05
PEN3_Trucks	28	110543	Hexane	2.11E-01	2.40E-05
PEN3_Trucks	28	67561	Methanol	1.58E-02	1.80E-06
PEN3_Trucks	28	78933	Methyl Ethyl Ketone	2.63E-03	3.01E-07
PEN3_Trucks	28	91203	Naphthalene	6.58E-03	7.51E-07
PEN3_Trucks	28	115071	Propylene	4.03E-01	4.60E-05
PEN3_Trucks	28	100425	Styrene	1.58E-02	1.80E-06
PEN3_Trucks	28	108883	Toluene	7.58E-01	8.66E-05
PEN3_Trucks	28	1330207	Xylenes	6.32E-01	7.21E-05
PEN4_Trucks	29	75070	Acetaldehyde	5.05E-02	5.77E-06
PEN4_Trucks	29	107028	Acrolein	2.35E-02	2.68E-06
PEN4_Trucks	29	71432	Benzene	4.46E-01	5.09E-05
PEN4_Trucks	29	106990	1,3-Butadiene	9.92E-02	1.13E-05
PEN4_Trucks	29	100414	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	78933	Methyl Ethyl Ketone	3.61E-03	4.12E-07
PEN4_Trucks	29	91203	Naphthalene	9.02E-03	1.03E-06
PEN4_Trucks	29	115071	Propylene	5.52E-01	6.30E-05
PEN4_Trucks	29	100425	Styrene	2.16E-02	2.47E-06
PEN4_Trucks	29	108883	Toluene	1.04E+00	1.19E-04
PEN4_Trucks	29	1330207	Xylenes	8.66E-01	9.89E-05
WTX1_Trucks	30	75070	Acetaldehyde	1.37E-02	1.56E-06
WTX1_Trucks	30	107028	Acrolein	6.34E-03	7.24E-07
WTX1_Trucks	30	71432	Benzene	1.20E-01	1.37E-05
WTX1_Trucks	30	106990	1,3-Butadiene	2.68E-02	3.06E-06
WTX1_Trucks	30	100414	Ethylbenzene	5.12E-02	5.84E-06
WTX1_Trucks	30	50000	Formaldehyde	7.70E-02	8.79E-06
WTX1_Trucks	30	110543	Hexane	7.80E-02	8.91E-06
WTX1_Trucks	30	67561	Methanol	5.85E-03	6.68E-07
WTX1_Trucks	30	78933	Methyl Ethyl Ketone	9.75E-04	1.11E-07
WTX1_Trucks	30	91203	Naphthalene	2.44E-03	2.78E-07
WTX1_Trucks	30	115071	Propylene	1.49E-01	1.70E-05
WTX1_Trucks	30	100425	Styrene	5.85E-03	6.68E-07
WTX1_Trucks	30	108883	Toluene	2.81E-01	3.21E-05
WTX1_Trucks	30	1330207	Xylenes	2.34E-01	2.67E-05
BEK1_Trucks	31	75070	Acetaldehyde	4.71E-02	5.38E-06
BEK1_Trucks	31	107028	Acrolein	2.19E-02	2.50E-06
BEK1_Trucks	31	71432	Benzene	4.16E-01	4.74E-05
BEK1_Trucks	31	106990	1,3-Butadiene	9.25E-02	1.06E-05
BEK1_Trucks	31	100414	Ethylbenzene	1.77E-01	2.02E-05

BEK1_Trucks	31	50000	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 Ketone	3.36E-03	3.84E-07
BEK1_Trucks	31	91203	Naphthalene	8.41E-03	9.60E-07
BEK1_Trucks	31	115071	Propylene	5.15E-01	5.88E-05
BEK1_Trucks	31	100425	Styrene	2.02E-02	2.30E-06
BEK1_Trucks	31	108883	Toluene	9.69E-01	1.11E-04
BEK1_Trucks	31	1330207	Xylenes	8.07E-01	9.22E-05
BEK2_Trucks	32	75070	Acetaldehyde	4.71E-02	5.38E-06
BEK2_Trucks	32	107028	Acrolein	2.19E-02	2.50E-06
BEK2_Trucks	32	71432	Benzene	4.16E-01	4.74E-05
BEK2_Trucks	32	106990	1,3-Butadiene	9.25E-02	1.06E-05
BEK2_Trucks	32	100414	Ethylbenzene	1.77E-01	2.02E-05
BEK2_Trucks	32	50000	Formaldehyde	2.66E-01	3.03E-05
BEK2_Trucks	32	110543	Hexane	2.69E-01	3.07E-05
BEK2_Trucks	32	67561	Methanol	2.02E-02	2.30E-06
BEK2_Trucks	32	78933	Methyl Ethyl Ketone	3.36E-03	3.84E-07
BEK2_Trucks	32	91203	Naphthalene	8.41E-03	9.60E-07
BEK2_Trucks	32	115071	Propylene	5.15E-01	5.88E-05
BEK2_Trucks	32	100425	Styrene	2.02E-02	2.30E-06
BEK2_Trucks	32	108883	Toluene	9.69E-01	1.11E-04
BEK2_Trucks	32	1330207	Xylenes	8.07E-01	9.22E-05
HY04_Cars	19	75070	Acetaldehyde	3.41E-03	3.90E-07
COR3_Trucks	33	107028	Acrolein	3.17E-03	3.62E-07
COR3_Trucks	33	71432	Benzene	6.02E-02	6.87E-06
COR3_Trucks	33	106990	1,3-Butadiene	1.34E-02	1.53E-06
COR3_Trucks	33	100414	Ethylbenzene	2.56E-02	2.92E-06
COR3_Trucks	33	50000	Formaldehyde	3.85E-02	4.40E-06
COR3_Trucks	33	110543	Hexane	3.90E-02	4.45E-06
COR3_Trucks	33	67561	Methanol	2.93E-03	3.34E-07
COR3_Trucks	33	78933	Methyl Ethyl Ketone	4.88E-04	5.57E-08
COR3_Trucks	33	91203	Naphthalene	1.22E-03	1.39E-07
COR3_Trucks	33	115071	Propylene	7.46E-02	8.52E-06
COR3_Trucks	33	100425	Styrene	2.93E-03	3.34E-07
COR3_Trucks	33	108883	Toluene	1.40E-01	1.60E-05
COR3_Trucks	33	1330207	Xylenes	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	110543	Hexane	1.01E-01	1.16E-05
BEK3_Trucks	34	67561	Methanol	7.61E-03	8.68E-07
BEK3_Trucks	34	78933	Methyl Ethyl Ketone	1.27E-03	1.45E-07
BEK3_Trucks	34	91203	Naphthalene	3.17E-03	3.62E-07

BEK3_Trucks	34	115071	Propylene	1.94E-01	2.21E-05
BEK3_Trucks	34	100425	Styrene	7.61E-03	8.68E-07
BEK3_Trucks	34	108883	Toluene	3.65E-01	4.17E-05
BEK3_Trucks	34	1330207	Xylenes	3.04E-01	3.47E-05
BEK4_Trucks	35	75070	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	106990	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 Ketone	4.88E-04	5.57E-08
BEK4_Trucks	35	91203	Naphthalene	1.22E-03	1.39E-07
BEK4_Trucks	35	115071	Propylene	7.46E-02	8.52E-06
BEK4_Trucks	35	100425	Styrene	2.93E-03	3.34E-07
BEK4_Trucks	35	108883	Toluene	1.40E-01	1.60E-05
BEK4_Trucks	35	1330207	Xylenes	1.17E-01	1.34E-05
BEK5_Trucks	36	75070	Acetaldehyde	1.09E-02	1.25E-06
BEK5_Trucks	36	107028	Acrolein	5.07E-03	5.79E-07
BEK5_Trucks	36	71432	Benzene	9.64E-02	1.10E-05
BEK5_Trucks	36	106990	1,3-Butadiene	2.15E-02	2.45E-06
BEK5_Trucks	36	100414	Ethylbenzene	4.10E-02	4.68E-06
BEK5_Trucks	36	50000	Formaldehyde	6.16E-02	7.04E-06
BEK5_Trucks	36	110543	Hexane	6.24E-02	7.12E-06
BEK5_Trucks	36	67561	Methanol	4.68E-03	5.34E-07
BEK5_Trucks	36	78933	Methyl Ethyl Ketone	7.80E-04	8.91E-08
BEK5_Trucks	36	91203	Naphthalene	1.95E-03	2.23E-07
BEK5_Trucks	36	115071	Propylene	1.19E-01	1.36E-05
BEK5_Trucks	36	100425	Styrene	4.68E-03	5.34E-07
BEK5_Trucks	36	108883	Toluene	2.25E-01	2.56E-05
BEK5_Trucks	36	1330207	Xylenes	1.87E-01	2.14E-05
CBN1_Trucks	37	75070	Acetaldehyde	0.00E+00	0.00E+00
CBN1_Trucks	37	107028	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	78933	Methyl Ethyl Ketone	0.00E+00	0.00E+00
CBN1_Trucks	37	91203	Naphthalene	0.00E+00	0.00E+00
CBN1_Trucks	37	115071	Propylene	0.00E+00	0.00E+00
CBN1_Trucks	37	100425	Styrene	0.00E+00	0.00E+00
CBN1_Trucks	37	108883	Toluene	0.00E+00	0.00E+00
CBN1_Trucks	37	1330207	Xylenes	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	50000	Formaldehyde	0.00E+00	0.00E+00
CBN2_Trucks	38	110543	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	4.03E-02	4.60E-06
HY03_Trucks	39	107028	Acrolein	1.87E-02	2.13E-06
HY03_Trucks	39	71432	Benzene	3.55E-01	4.06E-05
HY03_Trucks	39	106990	1,3-Butadiene	7.91E-02	9.03E-06
HY03_Trucks	39	100414	Ethylbenzene	1.51E-01	1.72E-05
HY03_Trucks	39	50000	Formaldehyde	2.27E-01	2.59E-05
HY03_Trucks	39	110543	Hexane	2.30E-01	2.63E-05
HY03_Trucks	39	67561	Methanol	1.73E-02	1.97E-06
HY03_Trucks	39	78933	Methyl Ethyl Ketone	2.88E-03	3.28E-07
HY03_Trucks	39	91203	Naphthalene	7.19E-03	8.21E-07
HY03_Trucks	39	115071	Propylene	4.40E-01	5.02E-05
HY03_Trucks	39	100425	Styrene	1.73E-02	1.97E-06
HY03_Trucks	39	108883	Toluene	8.29E-01	9.46E-05
HY03_Trucks	39	1330207	Xylenes	6.90E-01	7.88E-05
HY04_Trucks	40	75070	Acetaldehyde	3.41E-03	3.90E-07
HY04_Trucks	40	107028	Acrolein	1.58E-03	1.81E-07
HY04_Trucks	40	71432	Benzene	3.01E-02	3.44E-06
HY04_Trucks	40	106990	1,3-Butadiene	6.70E-03	7.65E-07
HY04_Trucks	40	100414	Ethylbenzene	1.28E-02	1.46E-06
HY04_Trucks	40	50000	Formaldehyde	1.93E-02	2.20E-06
HY04_Trucks	40	110543	Hexane	1.95E-02	2.23E-06
HY04_Trucks	40	67561	Methanol	1.46E-03	1.67E-07
HY04_Trucks	40	78933	Methyl Ethyl Ketone	2.44E-04	2.78E-08
HY04_Trucks	40	91203	Naphthalene	6.10E-04	6.96E-08
HY04_Trucks	40	115071	Propylene	3.73E-02	4.26E-06
HY04_Trucks	40	100425	Styrene	1.46E-03	1.67E-07
HY04_Trucks	40	108883	Toluene	7.02E-02	8.02E-06
HY04_Trucks	40	1330207	Xylenes	5.85E-02	6.68E-06
HY05_Trucks	41	75070	Acetaldehyde	5.19E-02	5.92E-06
HY05_Trucks	41	107028	Acrolein	2.41E-02	2.75E-06
HY05_Trucks	41	71432	Benzene	4.58E-01	5.22E-05
HY05_Trucks	41	106990	1,3-Butadiene	1.02E-01	1.16E-05
HY05_Trucks	41	100414	Ethylbenzene	1.95E-01	2.22E-05
HY05_Trucks	41	50000	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	100425	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	106990	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

SRC ID	SRC No.	CAS	Pollutant	(Interim Ops - Onsite)	
				lb/yr	lb/hr
GEN_A	1	9901	DieselExhPM	1.40E+00	0.00E+00
GEN_BC	2	9901	DieselExhPM	1.40E+00	0.00E+00
FWP_A	3	9901	DieselExhPM	9.86E-01	0.00E+00
FWP_BC	4	9901	DieselExhPM	9.86E-01	0.00E+00
TRU_A	5	9901	DieselExhPM	2.65E+00	0.00E+00
TRU_BC	6	9901	DieselExhPM	1.29E+01	0.00E+00
FLA	7	9901	DieselExhPM	0.00E+00	0.00E+00
FLB	8	9901	DieselExhPM	0.00E+00	0.00E+00
CARS	9	9901	DieselExhPM	2.58E+00	0.00E+00
TRUCKS	10	9901	DieselExhPM	1.94E-01	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	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	100414	Ethylbenzene	1.60E-03	1.83E-07
TRUCKS	10	50000	Formaldehyde	2.41E-03	2.76E-07
TRUCKS	10	110543	Hexane	2.45E-03	2.79E-07
TRUCKS	10	67561	Methanol	1.83E-04	2.09E-08
TRUCKS	10	78933	Methyl Ethyl Ketone	3.06E-05	3.49E-09
TRUCKS	10	91203	Naphthalene	7.64E-05	8.72E-09
TRUCKS	10	115071	Propylene	4.68E-03	5.34E-07
TRUCKS	10	100425	Styrene	1.83E-04	2.09E-08
TRUCKS	10	108883	Toluene	8.80E-03	1.00E-06
TRUCKS	10	1330207	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 (ton/yr)	Total PM2.5 (ton/yr)	Total PM2.5 (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
Source	Total PM2.5 (ton/yr)	Total PM2.5 (ton/yr)	Total PM2.5 (ton/yr)
Phase 1	0.681	-	-
Offsite	0.076	-	-
Phase 2	0.031	0.000	-
Phase 3	-	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 (ton/yr)	Total PM2.5 (ton/yr)	Total PM2.5 (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									
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	-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									
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%	0.0060	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									
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	-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)

SRC ID	SRC No.	CAS	Pollutant	2024	
				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

COR2	5	50000	Formaldehyde	4.28E-02	4.89E-06
COR2	5	110543	Hexane	4.34E-02	4.95E-06
COR2	5	67561	Methanol	3.25E-03	3.71E-07
COR2	5	78933	Methyl Ethyl Ketone	5.42E-04	6.19E-08
COR2	5	91203	Naphthalene	1.36E-03	1.55E-07
COR2	5	115071	Propylene	8.30E-02	9.47E-06
COR2	5	100425	Styrene	3.25E-03	3.71E-07
COR2	5	108883	Toluene	1.56E-01	1.78E-05
COR2	5	1330207	Xylenes	1.30E-01	1.49E-05
PEN2	6	75070	Acetaldehyde	3.69E-03	4.21E-07
PEN2	6	107028	Acrolein	1.71E-03	1.96E-07
PEN2	6	71432	Benzene	3.26E-02	3.72E-06
PEN2	6	106990	1,3-Butadiene	7.25E-03	8.28E-07
PEN2	6	100414	Ethylbenzene	1.38E-02	1.58E-06
PEN2	6	50000	Formaldehyde	2.08E-02	2.38E-06
PEN2	6	110543	Hexane	2.11E-02	2.41E-06
PEN2	6	67561	Methanol	1.58E-03	1.81E-07
PEN2	6	78933	Methyl Ethyl Ketone	2.64E-04	3.01E-08
PEN2	6	91203	Naphthalene	6.59E-04	7.52E-08
PEN2	6	115071	Propylene	4.03E-02	4.60E-06
PEN2	6	100425	Styrene	1.58E-03	1.81E-07
PEN2	6	108883	Toluene	7.59E-02	8.67E-06
PEN2	6	1330207	Xylenes	6.33E-02	7.22E-06
PEN3	7	75070	Acetaldehyde	3.10E-03	3.53E-07
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
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
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	75070	Acetaldehyde	6.08E-03	6.94E-07
HY03	9	107028	Acrolein	2.82E-03	3.22E-07
HY03	9	71432	Benzene	5.36E-02	6.12E-06
HY03	9	106990	1,3-Butadiene	1.19E-02	1.36E-06
HY03	9	100414	Ethylbenzene	2.28E-02	2.60E-06
HY03	9	50000	Formaldehyde	3.43E-02	3.92E-06
HY03	9	110543	Hexane	3.47E-02	3.97E-06
HY03	9	67561	Methanol	2.61E-03	2.98E-07
HY03	9	78933	Methyl Ethyl Ketone	4.34E-04	4.96E-08
HY03	9	91203	Naphthalene	1.09E-03	1.24E-07
HY03	9	115071	Propylene	6.65E-02	7.59E-06
HY03	9	100425	Styrene	2.61E-03	2.98E-07
HY03	9	108883	Toluene	1.25E-01	1.43E-05
HY03	9	1330207	Xylenes	1.04E-01	1.19E-05
HY04	10	75070	Acetaldehyde	6.10E-03	6.96E-07
HY04	10	107028	Acrolein	2.83E-03	3.23E-07
HY04	10	71432	Benzene	5.38E-02	6.14E-06
HY04	10	106990	1,3-Butadiene	1.20E-02	1.37E-06
HY04	10	100414	Ethylbenzene	2.29E-02	2.61E-06
HY04	10	50000	Formaldehyde	3.44E-02	3.93E-06
HY04	10	110543	Hexane	3.48E-02	3.98E-06
HY04	10	67561	Methanol	2.61E-03	2.98E-07
HY04	10	78933	Methyl Ethyl Ketone	4.36E-04	4.97E-08
HY04	10	91203	Naphthalene	1.09E-03	1.24E-07
HY04	10	115071	Propylene	6.66E-02	7.61E-06
HY04	10	100425	Styrene	2.61E-03	2.98E-07
HY04	10	108883	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	Xylenes	9.31E-02	1.06E-05
HY06	12	75070	Acetaldehyde	5.45E-03	6.22E-07

HY06	12	107028	Acrolein	2.53E-03	2.89E-07
HY06	12	71432	Benzene	4.81E-02	5.49E-06
HY06	12	106990	1,3-Butadiene	1.07E-02	1.22E-06
HY06	12	100414	Ethylbenzene	2.04E-02	2.33E-06
HY06	12	50000	Formaldehyde	3.07E-02	3.51E-06
HY06	12	110543	Hexane	3.11E-02	3.55E-06
HY06	12	67561	Methanol	2.33E-03	2.67E-07
HY06	12	78933	Methyl Ethyl Ketone	3.89E-04	4.44E-08
HY06	12	91203	Naphthalene	9.73E-04	1.11E-07
HY06	12	115071	Propylene	5.95E-02	6.80E-06
HY06	12	100425	Styrene	2.33E-03	2.67E-07
HY06	12	108883	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	100414	Ethylbenzene	1.32E-02	1.51E-06
PEN5	13	50000	Formaldehyde	1.99E-02	2.27E-06
PEN5	13	110543	Hexane	2.01E-02	2.30E-06
PEN5	13	67561	Methanol	1.51E-03	1.73E-07
PEN5	13	78933	Methyl Ethyl Ketone	2.52E-04	2.88E-08
PEN5	13	91203	Naphthalene	6.30E-04	7.19E-08
PEN5	13	115071	Propylene	3.85E-02	4.40E-06
PEN5	13	100425	Styrene	1.51E-03	1.73E-07
PEN5	13	108883	Toluene	7.25E-02	8.28E-06
PEN5	13	1330207	Xylenes	6.04E-02	6.90E-06
PEN6	14	75070	Acetaldehyde	3.54E-03	4.04E-07
PEN6	14	107028	Acrolein	1.64E-03	1.87E-07
PEN6	14	71432	Benzene	3.12E-02	3.56E-06
PEN6	14	106990	1,3-Butadiene	6.95E-03	7.93E-07
PEN6	14	100414	Ethylbenzene	1.33E-02	1.51E-06
PEN6	14	50000	Formaldehyde	2.00E-02	2.28E-06
PEN6	14	110543	Hexane	2.02E-02	2.31E-06
PEN6	14	67561	Methanol	1.52E-03	1.73E-07
PEN6	14	78933	Methyl Ethyl Ketone	2.53E-04	2.88E-08
PEN6	14	91203	Naphthalene	6.32E-04	7.21E-08
PEN6	14	115071	Propylene	3.87E-02	4.41E-06
PEN6	14	100425	Styrene	1.52E-03	1.73E-07
PEN6	14	108883	Toluene	7.28E-02	8.31E-06
PEN6	14	1330207	Xylenes	6.06E-02	6.92E-06

HARP2 Emission Inputs (Unmitigated - Alternative 2)

SRC ID	SRC No.	CAS	Pollutant	2025	
				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	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	110543	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	91203	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	91203	Naphthalene	7.89E-04	9.00E-08
COR2	5	115071	Propylene	4.83E-02	5.51E-06
COR2	5	100425	Styrene	1.89E-03	2.16E-07
COR2	5	108883	Toluene	9.09E-02	1.04E-05
COR2	5	1330207	Xylenes	7.57E-02	8.64E-06
PEN2	6	75070	Acetaldehyde	2.15E-03	2.45E-07
PEN2	6	107028	Acrolein	9.97E-04	1.14E-07
PEN2	6	71432	Benzene	1.89E-02	2.16E-06
PEN2	6	106990	1,3-Butadiene	4.22E-03	4.82E-07
PEN2	6	100414	Ethylbenzene	8.05E-03	9.19E-07
PEN2	6	50000	Formaldehyde	1.21E-02	1.38E-06
PEN2	6	110543	Hexane	1.23E-02	1.40E-06
PEN2	6	67561	Methanol	9.20E-04	1.05E-07
PEN2	6	78933	Methyl Ethyl Ketone	1.53E-04	1.75E-08
PEN2	6	91203	Naphthalene	3.83E-04	4.38E-08
PEN2	6	115071	Propylene	2.35E-02	2.68E-06
PEN2	6	100425	Styrene	9.20E-04	1.05E-07
PEN2	6	108883	Toluene	4.42E-02	5.04E-06
PEN2	6	1330207	Xylenes	3.68E-02	4.20E-06
PEN3	7	75070	Acetaldehyde	1.80E-03	2.06E-07
PEN3	7	107028	Acrolein	8.36E-04	9.54E-08
PEN3	7	71432	Benzene	1.59E-02	1.81E-06
PEN3	7	106990	1,3-Butadiene	3.54E-03	4.04E-07
PEN3	7	100414	Ethylbenzene	6.75E-03	7.71E-07
PEN3	7	50000	Formaldehyde	1.02E-02	1.16E-06
PEN3	7	110543	Hexane	1.03E-02	1.17E-06
PEN3	7	67561	Methanol	7.72E-04	8.81E-08
PEN3	7	78933	Methyl Ethyl Ketone	1.29E-04	1.47E-08
PEN3	7	91203	Naphthalene	3.22E-04	3.67E-08
PEN3	7	115071	Propylene	1.97E-02	2.25E-06
PEN3	7	100425	Styrene	7.72E-04	8.81E-08
PEN3	7	108883	Toluene	3.70E-02	4.23E-06
PEN3	7	1330207	Xylenes	3.09E-02	3.52E-06
PEN4	8	75070	Acetaldehyde	1.81E-03	2.06E-07
PEN4	8	107028	Acrolein	8.39E-04	9.57E-08
PEN4	8	71432	Benzene	1.59E-02	1.82E-06
PEN4	8	106990	1,3-Butadiene	3.55E-03	4.05E-07
PEN4	8	100414	Ethylbenzene	6.77E-03	7.73E-07
PEN4	8	50000	Formaldehyde	1.02E-02	1.16E-06
PEN4	8	110543	Hexane	1.03E-02	1.18E-06
PEN4	8	67561	Methanol	7.74E-04	8.84E-08
PEN4	8	78933	Methyl Ethyl Ketone	1.29E-04	1.47E-08
PEN4	8	91203	Naphthalene	3.23E-04	3.68E-08
PEN4	8	115071	Propylene	1.97E-02	2.25E-06
PEN4	8	100425	Styrene	7.74E-04	8.84E-08

PEN4	8	108883	Toluene	3.72E-02	4.24E-06
PEN4	8	1330207	Xylenes	3.10E-02	3.53E-06
HY03	9	75070	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	91203	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	100414	Ethylbenzene	1.33E-02	1.52E-06
HY04	10	50000	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	115071	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	1.67E-07
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	110543	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

HY06	12	106990	1,3-Butadiene	6.23E-03	7.11E-07
HY06	12	100414	Ethylbenzene	1.19E-02	1.36E-06
HY06	12	50000	Formaldehyde	1.79E-02	2.04E-06
HY06	12	110543	Hexane	1.81E-02	2.07E-06
HY06	12	67561	Methanol	1.36E-03	1.55E-07
HY06	12	78933	Methyl Ethyl Ketone	2.26E-04	2.58E-08
HY06	12	91203	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	108883	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	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	106990	1,3-Butadiene	4.04E-03	4.61E-07
PEN6	14	100414	Ethylbenzene	7.72E-03	8.81E-07
PEN6	14	50000	Formaldehyde	1.16E-02	1.33E-06
PEN6	14	110543	Hexane	1.18E-02	1.34E-06
PEN6	14	67561	Methanol	8.82E-04	1.01E-07
PEN6	14	78933	Methyl Ethyl Ketone	1.47E-04	1.68E-08
PEN6	14	91203	Naphthalene	3.68E-04	4.20E-08
PEN6	14	115071	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 (Unmitigated - Alternative 2)

SRC ID	SRC No.	CAS	Pollutant	2026	
				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	100414	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	100425	Styrene	1.20E-03	1.37E-07
PEN1	2	108883	Toluene	5.78E-02	6.60E-06
PEN1	2	1330207	Xylenes	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	71432	Benzene	3.15E-02	3.59E-06
COR2	3	106990	1,3-Butadiene	7.01E-03	8.00E-07
COR2	3	100414	Ethylbenzene	1.34E-02	1.53E-06
COR2	3	50000	Formaldehyde	2.01E-02	2.30E-06
COR2	3	110543	Hexane	2.04E-02	2.33E-06

COR2	3	67561	Methanol	1.53E-03	1.75E-07
COR2	3	78933	Methyl Ethyl Ketone	2.55E-04	2.91E-08
COR2	3	91203	Naphthalene	6.37E-04	7.28E-08
COR2	3	115071	Propylene	3.90E-02	4.45E-06
COR2	3	100425	Styrene	1.53E-03	1.75E-07
COR2	3	108883	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	50000	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	91203	Naphthalene	3.10E-04	3.54E-08
PEN2	4	115071	Propylene	1.90E-02	2.16E-06
PEN2	4	100425	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	75070	Acetaldehyde	1.46E-03	1.66E-07
PEN3	5	107028	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	100414	Ethylbenzene	5.46E-03	6.23E-07
PEN3	5	50000	Formaldehyde	8.21E-03	9.37E-07
PEN3	5	110543	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	91203	Naphthalene	2.60E-04	2.97E-08
PEN3	5	115071	Propylene	1.59E-02	1.82E-06
PEN3	5	100425	Styrene	6.24E-04	7.12E-08
PEN3	5	108883	Toluene	2.99E-02	3.42E-06
PEN3	5	1330207	Xylenes	2.49E-02	2.85E-06
PEN4	6	75070	Acetaldehyde	1.46E-03	1.67E-07
PEN4	6	107028	Acrolein	6.78E-04	7.74E-08
PEN4	6	71432	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	50000	Formaldehyde	8.24E-03	9.40E-07
PEN4	6	110543	Hexane	8.34E-03	9.52E-07
PEN4	6	67561	Methanol	6.25E-04	7.14E-08
PEN4	6	78933	Methyl Ethyl Ketone	1.04E-04	1.19E-08
PEN4	6	91203	Naphthalene	2.61E-04	2.98E-08
PEN4	6	115071	Propylene	1.59E-02	1.82E-06
PEN4	6	100425	Styrene	6.25E-04	7.14E-08

PEN4	6	108883	Toluene	3.00E-02	3.43E-06
PEN4	6	1330207	Xylenes	2.50E-02	2.86E-06
HY03	7	75070	Acetaldehyde	2.86E-03	3.26E-07
HY03	7	107028	Acrolein	1.33E-03	1.52E-07
HY03	7	71432	Benzene	2.52E-02	2.88E-06
HY03	7	106990	1,3-Butadiene	5.62E-03	6.41E-07
HY03	7	100414	Ethylbenzene	1.07E-02	1.22E-06
HY03	7	50000	Formaldehyde	1.61E-02	1.84E-06
HY03	7	110543	Hexane	1.63E-02	1.86E-06
HY03	7	67561	Methanol	1.23E-03	1.40E-07
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	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	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	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
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	110543	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	Xylenes	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	67561	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	115071	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

Unmitigated	Reduced Footprint - Operations
Source	Total PM2.5 (ton/yr)
Generators	0.005
FWPs	0.005
TRU Idling	0.229
Forklifts	0.059
Onsite Cars	0.002
Onsite Trucks	0.004
Offsite Cars	0.030
Offsite Trucks	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

Source	% Diff Total PM2.5 (ton/yr)	Project - Resident	Est. Reduced Footprint - Resident	Project - Worker	Est. Reduced 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
Sum		0.131	0.052	0.469	0.184

HARP2 Emission Inputs (Alternative 2 - Unmitigated)

SRC ID	SRC No.	CAS	Pollutant	(Full Build Ops - Offsite)	
				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	5.25E+00	0.00E+00
COR1_Trucks	23	9901	DieselExhPM	3.26E-02	0.00E+00
COR2_Trucks	24	9901	DieselExhPM	5.54E-01	0.00E+00
PEN2_Trucks	25	9901	DieselExhPM	5.98E-01	0.00E+00
HY01_Trucks	26	9901	DieselExhPM	7.28E-01	0.00E+00
HY02_Trucks	27	9901	DieselExhPM	1.16E+00	0.00E+00
PEN3_Trucks	28	9901	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	9901	DieselExhPM	1.09E-01	0.00E+00
BEK5_Trucks	36	9901	DieselExhPM	1.74E-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	6.41E-01	0.00E+00
HY04_Trucks	40	9901	DieselExhPM	5.44E-02	0.00E+00
HY05_Trucks	41	9901	DieselExhPM	8.26E-01	0.00E+00
HY06_Trucks	42	9901	DieselExhPM	1.14E+00	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

PEN1_Cars	1	71432	Benzene	6.41E-01	7.32E-05
PEN1_Cars	1	106990	1,3-Butadiene	1.43E-01	1.63E-05
PEN1_Cars	1	100414	Ethylbenzene	2.73E-01	3.11E-05
PEN1_Cars	1	50000	Formaldehyde	4.10E-01	4.68E-05
PEN1_Cars	1	110543	Hexane	4.15E-01	4.74E-05
PEN1_Cars	1	67561	Methanol	3.12E-02	3.56E-06
PEN1_Cars	1	78933	Methyl Ethyl Ketone	5.19E-03	5.93E-07
PEN1_Cars	1	91203	Naphthalene	1.30E-02	1.48E-06
PEN1_Cars	1	115071	Propylene	7.95E-01	9.07E-05
PEN1_Cars	1	100425	Styrene	3.12E-02	3.56E-06
PEN1_Cars	1	108883	Toluene	1.50E+00	1.71E-04
PEN1_Cars	1	1330207	Xylenes	1.25E+00	1.42E-04
COR1_Cars	2	75070	Acetaldehyde	4.52E-04	5.15E-08
COR1_Cars	2	107028	Acrolein	2.10E-04	2.39E-08
COR1_Cars	2	71432	Benzene	3.98E-03	4.55E-07
COR1_Cars	2	106990	1,3-Butadiene	8.87E-04	1.01E-07
COR1_Cars	2	100414	Ethylbenzene	1.69E-03	1.93E-07
COR1_Cars	2	50000	Formaldehyde	2.55E-03	2.91E-07
COR1_Cars	2	110543	Hexane	2.58E-03	2.95E-07
COR1_Cars	2	67561	Methanol	1.94E-04	2.21E-08
COR1_Cars	2	78933	Methyl Ethyl Ketone	3.23E-05	3.68E-09
COR1_Cars	2	91203	Naphthalene	8.06E-05	9.21E-09
COR1_Cars	2	115071	Propylene	4.94E-03	5.63E-07
COR1_Cars	2	100425	Styrene	1.94E-04	2.21E-08
COR1_Cars	2	108883	Toluene	9.29E-03	1.06E-06
COR1_Cars	2	1330207	Xylenes	7.74E-03	8.84E-07
COR2_Cars	3	75070	Acetaldehyde	7.68E-03	8.76E-07
COR2_Cars	3	107028	Acrolein	3.56E-03	4.07E-07
COR2_Cars	3	71432	Benzene	6.77E-02	7.73E-06
COR2_Cars	3	106990	1,3-Butadiene	1.51E-02	1.72E-06
COR2_Cars	3	100414	Ethylbenzene	2.88E-02	3.29E-06
COR2_Cars	3	50000	Formaldehyde	4.33E-02	4.95E-06
COR2_Cars	3	110543	Hexane	4.39E-02	5.01E-06
COR2_Cars	3	67561	Methanol	3.29E-03	3.76E-07
COR2_Cars	3	78933	Methyl Ethyl Ketone	5.48E-04	6.26E-08
COR2_Cars	3	91203	Naphthalene	1.37E-03	1.56E-07
COR2_Cars	3	115071	Propylene	8.39E-02	9.58E-06
COR2_Cars	3	100425	Styrene	3.29E-03	3.76E-07
COR2_Cars	3	108883	Toluene	1.58E-01	1.80E-05
COR2_Cars	3	1330207	Xylenes	1.32E-01	1.50E-05
PEN2_Cars	4	75070	Acetaldehyde	8.28E-03	9.45E-07
PEN2_Cars	4	107028	Acrolein	3.84E-03	4.39E-07
PEN2_Cars	4	71432	Benzene	7.30E-02	8.34E-06
PEN2_Cars	4	106990	1,3-Butadiene	1.63E-02	1.86E-06
PEN2_Cars	4	100414	Ethylbenzene	3.10E-02	3.54E-06
PEN2_Cars	4	50000	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	78933	Methyl Ethyl Ketone	5.91E-04	6.75E-08
PEN2_Cars	4	91203	Naphthalene	1.48E-03	1.69E-07
PEN2_Cars	4	115071	Propylene	9.05E-02	1.03E-05
PEN2_Cars	4	100425	Styrene	3.55E-03	4.05E-07
PEN2_Cars	4	108883	Toluene	1.70E-01	1.94E-05
PEN2_Cars	4	1330207	Xylenes	1.42E-01	1.62E-05
HY01_Cars	5	75070	Acetaldehyde	1.01E-02	1.15E-06
HY01_Cars	5	107028	Acrolein	4.68E-03	5.35E-07
HY01_Cars	5	71432	Benzene	8.90E-02	1.02E-05
HY01_Cars	5	106990	1,3-Butadiene	1.98E-02	2.26E-06
HY01_Cars	5	100414	Ethylbenzene	3.78E-02	4.32E-06
HY01_Cars	5	50000	Formaldehyde	5.69E-02	6.50E-06
HY01_Cars	5	110543	Hexane	5.76E-02	6.58E-06
HY01_Cars	5	67561	Methanol	4.32E-03	4.93E-07
HY01_Cars	5	78933	Methyl Ethyl Ketone	7.20E-04	8.22E-08
HY01_Cars	5	91203	Naphthalene	1.80E-03	2.06E-07
HY01_Cars	5	115071	Propylene	1.10E-01	1.26E-05
HY01_Cars	5	100425	Styrene	4.32E-03	4.93E-07
HY01_Cars	5	108883	Toluene	2.07E-01	2.37E-05
HY01_Cars	5	1330207	Xylenes	1.73E-01	1.97E-05
HY02_Cars	6	75070	Acetaldehyde	1.61E-02	1.84E-06
HY02_Cars	6	107028	Acrolein	7.48E-03	8.54E-07
HY02_Cars	6	71432	Benzene	1.42E-01	1.62E-05
HY02_Cars	6	106990	1,3-Butadiene	3.16E-02	3.61E-06
HY02_Cars	6	100414	Ethylbenzene	6.04E-02	6.89E-06
HY02_Cars	6	50000	Formaldehyde	9.09E-02	1.04E-05
HY02_Cars	6	110543	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	108883	Toluene	3.31E-01	3.78E-05
HY02_Cars	6	1330207	Xylenes	2.76E-01	3.15E-05
PEN3_Cars	7	75070	Acetaldehyde	8.13E-03	9.28E-07
PEN3_Cars	7	107028	Acrolein	3.77E-03	4.31E-07
PEN3_Cars	7	71432	Benzene	7.17E-02	8.19E-06
PEN3_Cars	7	106990	1,3-Butadiene	1.60E-02	1.82E-06
PEN3_Cars	7	100414	Ethylbenzene	3.05E-02	3.48E-06
PEN3_Cars	7	50000	Formaldehyde	4.59E-02	5.24E-06
PEN3_Cars	7	110543	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	91203	Naphthalene	1.45E-03	1.66E-07
PEN3_Cars	7	115071	Propylene	8.88E-02	1.01E-05
PEN3_Cars	7	100425	Styrene	3.48E-03	3.98E-07

PEN3_Cars	7	108883	Toluene	1.67E-01	1.91E-05
PEN3_Cars	7	1330207	Xylenes	1.39E-01	1.59E-05
PEN4_Cars	8	75070	Acetaldehyde	1.11E-02	1.27E-06
PEN4_Cars	8	107028	Acrolein	5.17E-03	5.90E-07
PEN4_Cars	8	71432	Benzene	9.83E-02	1.12E-05
PEN4_Cars	8	106990	1,3-Butadiene	2.19E-02	2.50E-06
PEN4_Cars	8	100414	Ethylbenzene	4.18E-02	4.77E-06
PEN4_Cars	8	50000	Formaldehyde	6.29E-02	7.18E-06
PEN4_Cars	8	110543	Hexane	6.37E-02	7.27E-06
PEN4_Cars	8	67561	Methanol	4.77E-03	5.45E-07
PEN4_Cars	8	78933	Methyl Ethyl Ketone	7.96E-04	9.08E-08
PEN4_Cars	8	91203	Naphthalene	1.99E-03	2.27E-07
PEN4_Cars	8	115071	Propylene	1.22E-01	1.39E-05
PEN4_Cars	8	100425	Styrene	4.77E-03	5.45E-07
PEN4_Cars	8	108883	Toluene	2.29E-01	2.62E-05
PEN4_Cars	8	1330207	Xylenes	1.91E-01	2.18E-05
WTX1_Cars	9	75070	Acetaldehyde	3.01E-03	3.44E-07
WTX1_Cars	9	107028	Acrolein	1.40E-03	1.60E-07
WTX1_Cars	9	71432	Benzene	2.66E-02	3.03E-06
WTX1_Cars	9	106990	1,3-Butadiene	5.91E-03	6.75E-07
WTX1_Cars	9	100414	Ethylbenzene	1.13E-02	1.29E-06
WTX1_Cars	9	50000	Formaldehyde	1.70E-02	1.94E-06
WTX1_Cars	9	110543	Hexane	1.72E-02	1.96E-06
WTX1_Cars	9	67561	Methanol	1.29E-03	1.47E-07
WTX1_Cars	9	78933	Methyl Ethyl Ketone	2.15E-04	2.45E-08
WTX1_Cars	9	91203	Naphthalene	5.38E-04	6.14E-08
WTX1_Cars	9	115071	Propylene	3.29E-02	3.76E-06
WTX1_Cars	9	100425	Styrene	1.29E-03	1.47E-07
WTX1_Cars	9	108883	Toluene	6.19E-02	7.07E-06
WTX1_Cars	9	1330207	Xylenes	5.16E-02	5.89E-06
BEK1_Cars	10	75070	Acetaldehyde	1.04E-02	1.19E-06
BEK1_Cars	10	107028	Acrolein	4.82E-03	5.50E-07
BEK1_Cars	10	71432	Benzene	9.16E-02	1.05E-05
BEK1_Cars	10	106990	1,3-Butadiene	2.04E-02	2.33E-06
BEK1_Cars	10	100414	Ethylbenzene	3.89E-02	4.45E-06
BEK1_Cars	10	50000	Formaldehyde	5.86E-02	6.69E-06
BEK1_Cars	10	110543	Hexane	5.93E-02	6.78E-06
BEK1_Cars	10	67561	Methanol	4.45E-03	5.08E-07
BEK1_Cars	10	78933	Methyl Ethyl Ketone	7.42E-04	8.47E-08
BEK1_Cars	10	91203	Naphthalene	1.85E-03	2.12E-07
BEK1_Cars	10	115071	Propylene	1.14E-01	1.30E-05
BEK1_Cars	10	100425	Styrene	4.45E-03	5.08E-07
BEK1_Cars	10	108883	Toluene	2.14E-01	2.44E-05
BEK1_Cars	10	1330207	Xylenes	1.78E-01	2.03E-05
BEK2_Cars	11	75070	Acetaldehyde	1.04E-02	1.19E-06
BEK2_Cars	11	107028	Acrolein	4.82E-03	5.50E-07
BEK2_Cars	11	71432	Benzene	9.16E-02	1.05E-05

BEK2_Cars	11	106990	1,3-Butadiene	2.04E-02	2.33E-06
BEK2_Cars	11	100414	Ethylbenzene	3.89E-02	4.45E-06
BEK2_Cars	11	50000	Formaldehyde	5.86E-02	6.69E-06
BEK2_Cars	11	110543	Hexane	5.93E-02	6.78E-06
BEK2_Cars	11	67561	Methanol	4.45E-03	5.08E-07
BEK2_Cars	11	78933	Methyl Ethyl Ketone	7.42E-04	8.47E-08
BEK2_Cars	11	91203	Naphthalene	1.85E-03	2.12E-07
BEK2_Cars	11	115071	Propylene	1.14E-01	1.30E-05
BEK2_Cars	11	100425	Styrene	4.45E-03	5.08E-07
BEK2_Cars	11	108883	Toluene	2.14E-01	2.44E-05
BEK2_Cars	11	1330207	Xylenes	1.78E-01	2.03E-05
COR3_Cars	12	75070	Acetaldehyde	1.51E-03	1.72E-07
COR3_Cars	12	107028	Acrolein	6.99E-04	7.98E-08
COR3_Cars	12	71432	Benzene	1.33E-02	1.52E-06
COR3_Cars	12	106990	1,3-Butadiene	2.96E-03	3.38E-07
COR3_Cars	12	100414	Ethylbenzene	5.64E-03	6.44E-07
COR3_Cars	12	50000	Formaldehyde	8.49E-03	9.70E-07
COR3_Cars	12	110543	Hexane	8.60E-03	9.82E-07
COR3_Cars	12	67561	Methanol	6.45E-04	7.36E-08
COR3_Cars	12	78933	Methyl Ethyl Ketone	1.08E-04	1.23E-08
COR3_Cars	12	91203	Naphthalene	2.69E-04	3.07E-08
COR3_Cars	12	115071	Propylene	1.65E-02	1.88E-06
COR3_Cars	12	100425	Styrene	6.45E-04	7.36E-08
COR3_Cars	12	108883	Toluene	3.10E-02	3.53E-06
COR3_Cars	12	1330207	Xylenes	2.58E-02	2.95E-06
BEK3_Cars	13	75070	Acetaldehyde	3.91E-03	4.47E-07
BEK3_Cars	13	107028	Acrolein	1.82E-03	2.07E-07
BEK3_Cars	13	71432	Benzene	3.45E-02	3.94E-06
BEK3_Cars	13	106990	1,3-Butadiene	7.69E-03	8.78E-07
BEK3_Cars	13	100414	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	67561	Methanol	1.68E-03	1.91E-07
BEK3_Cars	13	78933	Methyl Ethyl Ketone	2.80E-04	3.19E-08
BEK3_Cars	13	91203	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	108883	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	100414	Ethylbenzene	5.64E-03	6.44E-07
BEK4_Cars	14	50000	Formaldehyde	8.49E-03	9.70E-07
BEK4_Cars	14	110543	Hexane	8.60E-03	9.82E-07
BEK4_Cars	14	67561	Methanol	6.45E-04	7.36E-08

BEK4_Cars	14	78933	Methyl Ethyl Ketone	1.08E-04	1.23E-08
BEK4_Cars	14	91203	Naphthalene	2.69E-04	3.07E-08
BEK4_Cars	14	115071	Propylene	1.65E-02	1.88E-06
BEK4_Cars	14	100425	Styrene	6.45E-04	7.36E-08
BEK4_Cars	14	108883	Toluene	3.10E-02	3.53E-06
BEK4_Cars	14	1330207	Xylenes	2.58E-02	2.95E-06
BEK5_Cars	15	75070	Acetaldehyde	2.41E-03	2.75E-07
BEK5_Cars	15	107028	Acrolein	1.12E-03	1.28E-07
BEK5_Cars	15	71432	Benzene	2.12E-02	2.43E-06
BEK5_Cars	15	106990	1,3-Butadiene	4.73E-03	5.40E-07
BEK5_Cars	15	100414	Ethylbenzene	9.03E-03	1.03E-06
BEK5_Cars	15	50000	Formaldehyde	1.36E-02	1.55E-06
BEK5_Cars	15	110543	Hexane	1.38E-02	1.57E-06
BEK5_Cars	15	67561	Methanol	1.03E-03	1.18E-07
BEK5_Cars	15	78933	Methyl Ethyl Ketone	1.72E-04	1.96E-08
BEK5_Cars	15	91203	Naphthalene	4.30E-04	4.91E-08
BEK5_Cars	15	115071	Propylene	2.63E-02	3.00E-06
BEK5_Cars	15	100425	Styrene	1.03E-03	1.18E-07
BEK5_Cars	15	108883	Toluene	4.95E-02	5.66E-06
BEK5_Cars	15	1330207	Xylenes	4.13E-02	4.71E-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	100414	Ethylbenzene	0.00E+00	0.00E+00
CBN1_Cars	16	50000	Formaldehyde	0.00E+00	0.00E+00
CBN1_Cars	16	110543	Hexane	0.00E+00	0.00E+00
CBN1_Cars	16	67561	Methanol	0.00E+00	0.00E+00
CBN1_Cars	16	78933	Methyl Ethyl Ketone	0.00E+00	0.00E+00
CBN1_Cars	16	91203	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	Xylenes	0.00E+00	0.00E+00
CBN2_Cars	17	75070	Acetaldehyde	0.00E+00	0.00E+00
CBN2_Cars	17	107028	Acrolein	0.00E+00	0.00E+00
CBN2_Cars	17	71432	Benzene	0.00E+00	0.00E+00
CBN2_Cars	17	106990	1,3-Butadiene	0.00E+00	0.00E+00
CBN2_Cars	17	100414	Ethylbenzene	0.00E+00	0.00E+00
CBN2_Cars	17	50000	Formaldehyde	0.00E+00	0.00E+00
CBN2_Cars	17	110543	Hexane	0.00E+00	0.00E+00
CBN2_Cars	17	67561	Methanol	0.00E+00	0.00E+00
CBN2_Cars	17	78933	Methyl Ethyl Ketone	0.00E+00	0.00E+00
CBN2_Cars	17	91203	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	Xylenes	0.00E+00	0.00E+00
HY03_Cars	18	75070	Acetaldehyde	8.88E-03	1.01E-06
HY03_Cars	18	107028	Acrolein	4.12E-03	4.71E-07
HY03_Cars	18	71432	Benzene	7.83E-02	8.94E-06
HY03_Cars	18	106990	1,3-Butadiene	1.74E-02	1.99E-06
HY03_Cars	18	100414	Ethylbenzene	3.33E-02	3.80E-06
HY03_Cars	18	50000	Formaldehyde	5.01E-02	5.72E-06
HY03_Cars	18	110543	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	91203	Naphthalene	1.59E-03	1.81E-07
HY03_Cars	18	115071	Propylene	9.71E-02	1.11E-05
HY03_Cars	18	100425	Styrene	3.81E-03	4.34E-07
HY03_Cars	18	108883	Toluene	1.83E-01	2.09E-05
HY03_Cars	18	1330207	Xylenes	1.52E-01	1.74E-05
HY04_Cars	19	75070	Acetaldehyde	7.53E-04	8.59E-08
HY04_Cars	19	107028	Acrolein	3.49E-04	3.99E-08
HY04_Cars	19	71432	Benzene	6.64E-03	7.58E-07
HY04_Cars	19	106990	1,3-Butadiene	1.48E-03	1.69E-07
HY04_Cars	19	100414	Ethylbenzene	2.82E-03	3.22E-07
HY04_Cars	19	50000	Formaldehyde	4.25E-03	4.85E-07
HY04_Cars	19	110543	Hexane	4.30E-03	4.91E-07
HY04_Cars	19	67561	Methanol	3.23E-04	3.68E-08
HY04_Cars	19	78933	Methyl Ethyl Ketone	5.38E-05	6.14E-09
HY04_Cars	19	91203	Naphthalene	1.34E-04	1.53E-08
HY04_Cars	19	115071	Propylene	8.23E-03	9.39E-07
HY04_Cars	19	100425	Styrene	3.23E-04	3.68E-08
HY04_Cars	19	108883	Toluene	1.55E-02	1.77E-06
HY04_Cars	19	1330207	Xylenes	1.29E-02	1.47E-06
HY05_Cars	20	75070	Acetaldehyde	1.14E-02	1.31E-06
HY05_Cars	20	107028	Acrolein	5.31E-03	6.06E-07
HY05_Cars	20	71432	Benzene	1.01E-01	1.15E-05
HY05_Cars	20	106990	1,3-Butadiene	2.25E-02	2.57E-06
HY05_Cars	20	100414	Ethylbenzene	4.29E-02	4.90E-06
HY05_Cars	20	50000	Formaldehyde	6.46E-02	7.37E-06
HY05_Cars	20	110543	Hexane	6.54E-02	7.46E-06
HY05_Cars	20	67561	Methanol	4.90E-03	5.60E-07
HY05_Cars	20	78933	Methyl Ethyl Ketone	8.17E-04	9.33E-08
HY05_Cars	20	91203	Naphthalene	2.04E-03	2.33E-07
HY05_Cars	20	115071	Propylene	1.25E-01	1.43E-05
HY05_Cars	20	100425	Styrene	4.90E-03	5.60E-07
HY05_Cars	20	108883	Toluene	2.35E-01	2.69E-05
HY05_Cars	20	1330207	Xylenes	1.96E-01	2.24E-05
HY06_Cars	21	75070	Acetaldehyde	1.58E-02	1.80E-06
HY06_Cars	21	107028	Acrolein	7.34E-03	8.38E-07
HY06_Cars	21	71432	Benzene	1.39E-01	1.59E-05
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	50000	Formaldehyde	8.92E-02	1.02E-05
HY06_Cars	21	110543	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	91203	Naphthalene	2.82E-03	3.22E-07
HY06_Cars	21	115071	Propylene	1.73E-01	1.97E-05
HY06_Cars	21	100425	Styrene	6.77E-03	7.73E-07
HY06_Cars	21	108883	Toluene	3.25E-01	3.71E-05
HY06_Cars	21	1330207	Xylenes	2.71E-01	3.09E-05
PEN1_Trucks	22	75070	Acetaldehyde	2.15E-01	2.45E-05
PEN1_Trucks	22	107028	Acrolein	9.98E-02	1.14E-05
PEN1_Trucks	22	71432	Benzene	1.90E+00	2.17E-04
PEN1_Trucks	22	106990	1,3-Butadiene	4.22E-01	4.82E-05
PEN1_Trucks	22	100414	Ethylbenzene	8.06E-01	9.20E-05
PEN1_Trucks	22	50000	Formaldehyde	1.21E+00	1.39E-04
PEN1_Trucks	22	110543	Hexane	1.23E+00	1.40E-04
PEN1_Trucks	22	67561	Methanol	9.22E-02	1.05E-05
PEN1_Trucks	22	78933	Methyl Ethyl Ketone	1.54E-02	1.75E-06
PEN1_Trucks	22	91203	Naphthalene	3.84E-02	4.38E-06
PEN1_Trucks	22	115071	Propylene	2.35E+00	2.68E-04
PEN1_Trucks	22	100425	Styrene	9.22E-02	1.05E-05
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	75070	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	2.99E-07
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	110543	Hexane	7.63E-03	8.71E-07
COR1_Trucks	23	67561	Methanol	5.72E-04	6.53E-08
COR1_Trucks	23	78933	Methyl Ethyl Ketone	9.54E-05	1.09E-08
COR1_Trucks	23	91203	Naphthalene	2.38E-04	2.72E-08
COR1_Trucks	23	115071	Propylene	1.46E-02	1.67E-06
COR1_Trucks	23	100425	Styrene	5.72E-04	6.53E-08
COR1_Trucks	23	108883	Toluene	2.75E-02	3.14E-06
COR1_Trucks	23	1330207	Xylenes	2.29E-02	2.61E-06
COR2_Trucks	24	75070	Acetaldehyde	2.27E-02	2.59E-06
COR2_Trucks	24	107028	Acrolein	1.05E-02	1.20E-06
COR2_Trucks	24	71432	Benzene	2.00E-01	2.29E-05
COR2_Trucks	24	106990	1,3-Butadiene	4.46E-02	5.09E-06
COR2_Trucks	24	100414	Ethylbenzene	8.51E-02	9.72E-06
COR2_Trucks	24	50000	Formaldehyde	1.28E-01	1.46E-05
COR2_Trucks	24	110543	Hexane	1.30E-01	1.48E-05
COR2_Trucks	24	67561	Methanol	9.73E-03	1.11E-06
COR2_Trucks	24	78933	Methyl Ethyl Ketone	1.62E-03	1.85E-07

COR2_Trucks	24	91203	Naphthalene	4.05E-03	4.63E-07
COR2_Trucks	24	115071	Propylene	2.48E-01	2.83E-05
COR2_Trucks	24	100425	Styrene	9.73E-03	1.11E-06
COR2_Trucks	24	108883	Toluene	4.67E-01	5.33E-05
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	107028	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	50000	Formaldehyde	1.38E-01	1.58E-05
PEN2_Trucks	25	110543	Hexane	1.40E-01	1.60E-05
PEN2_Trucks	25	67561	Methanol	1.05E-02	1.20E-06
PEN2_Trucks	25	78933	Methyl Ethyl Ketone	1.75E-03	2.00E-07
PEN2_Trucks	25	91203	Naphthalene	4.37E-03	4.99E-07
PEN2_Trucks	25	115071	Propylene	2.68E-01	3.05E-05
PEN2_Trucks	25	100425	Styrene	1.05E-02	1.20E-06
PEN2_Trucks	25	108883	Toluene	5.04E-01	5.75E-05
PEN2_Trucks	25	1330207	Xylenes	4.20E-01	4.79E-05
HY01_Trucks	26	75070	Acetaldehyde	2.98E-02	3.40E-06
HY01_Trucks	26	107028	Acrolein	1.38E-02	1.58E-06
HY01_Trucks	26	71432	Benzene	2.63E-01	3.00E-05
HY01_Trucks	26	106990	1,3-Butadiene	5.86E-02	6.69E-06
HY01_Trucks	26	100414	Ethylbenzene	1.12E-01	1.28E-05
HY01_Trucks	26	50000	Formaldehyde	1.68E-01	1.92E-05
HY01_Trucks	26	110543	Hexane	1.70E-01	1.95E-05
HY01_Trucks	26	67561	Methanol	1.28E-02	1.46E-06
HY01_Trucks	26	78933	Methyl Ethyl Ketone	2.13E-03	2.43E-07
HY01_Trucks	26	91203	Naphthalene	5.33E-03	6.08E-07
HY01_Trucks	26	115071	Propylene	3.26E-01	3.72E-05
HY01_Trucks	26	100425	Styrene	1.28E-02	1.46E-06
HY01_Trucks	26	108883	Toluene	6.14E-01	7.00E-05
HY01_Trucks	26	1330207	Xylenes	5.11E-01	5.84E-05
HY02_Trucks	27	75070	Acetaldehyde	4.76E-02	5.44E-06
HY02_Trucks	27	107028	Acrolein	2.21E-02	2.52E-06
HY02_Trucks	27	71432	Benzene	4.20E-01	4.80E-05
HY02_Trucks	27	106990	1,3-Butadiene	9.36E-02	1.07E-05
HY02_Trucks	27	100414	Ethylbenzene	1.79E-01	2.04E-05
HY02_Trucks	27	50000	Formaldehyde	2.69E-01	3.07E-05
HY02_Trucks	27	110543	Hexane	2.72E-01	3.11E-05
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	91203	Naphthalene	8.51E-03	9.71E-07
HY02_Trucks	27	115071	Propylene	5.21E-01	5.94E-05
HY02_Trucks	27	100425	Styrene	2.04E-02	2.33E-06
HY02_Trucks	27	108883	Toluene	9.80E-01	1.12E-04
HY02_Trucks	27	1330207	Xylenes	8.17E-01	9.32E-05

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	50000	Formaldehyde	1.36E-01	1.55E-05
PEN3_Trucks	28	110543	Hexane	1.37E-01	1.57E-05
PEN3_Trucks	28	67561	Methanol	1.03E-02	1.18E-06
PEN3_Trucks	28	78933	Methyl Ethyl Ketone	1.72E-03	1.96E-07
PEN3_Trucks	28	91203	Naphthalene	4.29E-03	4.90E-07
PEN3_Trucks	28	115071	Propylene	2.63E-01	3.00E-05
PEN3_Trucks	28	100425	Styrene	1.03E-02	1.18E-06
PEN3_Trucks	28	108883	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	107028	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	100425	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	71432	Benzene	7.85E-02	8.97E-06
WTX1_Trucks	30	106990	1,3-Butadiene	1.75E-02	2.00E-06
WTX1_Trucks	30	100414	Ethylbenzene	3.34E-02	3.81E-06
WTX1_Trucks	30	50000	Formaldehyde	5.02E-02	5.74E-06
WTX1_Trucks	30	110543	Hexane	5.09E-02	5.81E-06
WTX1_Trucks	30	67561	Methanol	3.82E-03	4.36E-07
WTX1_Trucks	30	78933	Methyl Ethyl Ketone	6.36E-04	7.26E-08
WTX1_Trucks	30	91203	Naphthalene	1.59E-03	1.82E-07
WTX1_Trucks	30	115071	Propylene	9.73E-02	1.11E-05
WTX1_Trucks	30	100425	Styrene	3.82E-03	4.36E-07
WTX1_Trucks	30	108883	Toluene	1.83E-01	2.09E-05
WTX1_Trucks	30	1330207	Xylenes	1.53E-01	1.74E-05
BEK1_Trucks	31	75070	Acetaldehyde	3.07E-02	3.51E-06
BEK1_Trucks	31	107028	Acrolein	1.43E-02	1.63E-06
BEK1_Trucks	31	71432	Benzene	2.71E-01	3.09E-05
BEK1_Trucks	31	106990	1,3-Butadiene	6.03E-02	6.89E-06
BEK1_Trucks	31	100414	Ethylbenzene	1.15E-01	1.31E-05

BEK1_Trucks	31	50000	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	91203	Naphthalene	5.49E-03	6.26E-07
BEK1_Trucks	31	115071	Propylene	3.36E-01	3.83E-05
BEK1_Trucks	31	100425	Styrene	1.32E-02	1.50E-06
BEK1_Trucks	31	108883	Toluene	6.32E-01	7.21E-05
BEK1_Trucks	31	1330207	Xylenes	5.27E-01	6.01E-05
BEK2_Trucks	32	75070	Acetaldehyde	3.07E-02	3.51E-06
BEK2_Trucks	32	107028	Acrolein	1.43E-02	1.63E-06
BEK2_Trucks	32	71432	Benzene	2.71E-01	3.09E-05
BEK2_Trucks	32	106990	1,3-Butadiene	6.03E-02	6.89E-06
BEK2_Trucks	32	100414	Ethylbenzene	1.15E-01	1.31E-05
BEK2_Trucks	32	50000	Formaldehyde	1.73E-01	1.98E-05
BEK2_Trucks	32	110543	Hexane	1.76E-01	2.00E-05
BEK2_Trucks	32	67561	Methanol	1.32E-02	1.50E-06
BEK2_Trucks	32	78933	Methyl Ethyl Ketone	2.19E-03	2.50E-07
BEK2_Trucks	32	91203	Naphthalene	5.49E-03	6.26E-07
BEK2_Trucks	32	115071	Propylene	3.36E-01	3.83E-05
BEK2_Trucks	32	100425	Styrene	1.32E-02	1.50E-06
BEK2_Trucks	32	108883	Toluene	6.32E-01	7.21E-05
BEK2_Trucks	32	1330207	Xylenes	5.27E-01	6.01E-05
HY04_Cars	19	75070	Acetaldehyde	2.23E-03	2.54E-07
COR3_Trucks	33	107028	Acrolein	2.07E-03	2.36E-07
COR3_Trucks	33	71432	Benzene	3.93E-02	4.48E-06
COR3_Trucks	33	106990	1,3-Butadiene	8.74E-03	9.98E-07
COR3_Trucks	33	100414	Ethylbenzene	1.67E-02	1.91E-06
COR3_Trucks	33	50000	Formaldehyde	2.51E-02	2.87E-06
COR3_Trucks	33	110543	Hexane	2.54E-02	2.90E-06
COR3_Trucks	33	67561	Methanol	1.91E-03	2.18E-07
COR3_Trucks	33	78933	Methyl Ethyl Ketone	3.18E-04	3.63E-08
COR3_Trucks	33	91203	Naphthalene	7.95E-04	9.08E-08
COR3_Trucks	33	115071	Propylene	4.87E-02	5.55E-06
COR3_Trucks	33	100425	Styrene	1.91E-03	2.18E-07
COR3_Trucks	33	108883	Toluene	9.16E-02	1.05E-05
COR3_Trucks	33	1330207	Xylenes	7.63E-02	8.71E-06
BEK3_Trucks	34	75070	Acetaldehyde	1.16E-02	1.32E-06
BEK3_Trucks	34	107028	Acrolein	5.37E-03	6.13E-07
BEK3_Trucks	34	71432	Benzene	1.02E-01	1.17E-05
BEK3_Trucks	34	106990	1,3-Butadiene	2.27E-02	2.60E-06
BEK3_Trucks	34	100414	Ethylbenzene	4.34E-02	4.96E-06
BEK3_Trucks	34	50000	Formaldehyde	6.53E-02	7.46E-06
BEK3_Trucks	34	110543	Hexane	6.61E-02	7.55E-06
BEK3_Trucks	34	67561	Methanol	4.96E-03	5.66E-07
BEK3_Trucks	34	78933	Methyl Ethyl Ketone	8.27E-04	9.44E-08
BEK3_Trucks	34	91203	Naphthalene	2.07E-03	2.36E-07

BEK3_Trucks	34	115071	Propylene	1.26E-01	1.44E-05
BEK3_Trucks	34	100425	Styrene	4.96E-03	5.66E-07
BEK3_Trucks	34	108883	Toluene	2.38E-01	2.72E-05
BEK3_Trucks	34	1330207	Xylenes	1.98E-01	2.27E-05
BEK4_Trucks	35	75070	Acetaldehyde	4.45E-03	5.08E-07
BEK4_Trucks	35	107028	Acrolein	2.07E-03	2.36E-07
BEK4_Trucks	35	71432	Benzene	3.93E-02	4.48E-06
BEK4_Trucks	35	106990	1,3-Butadiene	8.74E-03	9.98E-07
BEK4_Trucks	35	100414	Ethylbenzene	1.67E-02	1.91E-06
BEK4_Trucks	35	50000	Formaldehyde	2.51E-02	2.87E-06
BEK4_Trucks	35	110543	Hexane	2.54E-02	2.90E-06
BEK4_Trucks	35	67561	Methanol	1.91E-03	2.18E-07
BEK4_Trucks	35	78933	Methyl Ethyl Ketone	3.18E-04	3.63E-08
BEK4_Trucks	35	91203	Naphthalene	7.95E-04	9.08E-08
BEK4_Trucks	35	115071	Propylene	4.87E-02	5.55E-06
BEK4_Trucks	35	100425	Styrene	1.91E-03	2.18E-07
BEK4_Trucks	35	108883	Toluene	9.16E-02	1.05E-05
BEK4_Trucks	35	1330207	Xylenes	7.63E-02	8.71E-06
BEK5_Trucks	36	75070	Acetaldehyde	7.12E-03	8.13E-07
BEK5_Trucks	36	107028	Acrolein	3.31E-03	3.78E-07
BEK5_Trucks	36	71432	Benzene	6.28E-02	7.17E-06
BEK5_Trucks	36	106990	1,3-Butadiene	1.40E-02	1.60E-06
BEK5_Trucks	36	100414	Ethylbenzene	2.67E-02	3.05E-06
BEK5_Trucks	36	50000	Formaldehyde	4.02E-02	4.59E-06
BEK5_Trucks	36	110543	Hexane	4.07E-02	4.65E-06
BEK5_Trucks	36	67561	Methanol	3.05E-03	3.48E-07
BEK5_Trucks	36	78933	Methyl Ethyl Ketone	5.09E-04	5.81E-08
BEK5_Trucks	36	91203	Naphthalene	1.27E-03	1.45E-07
BEK5_Trucks	36	115071	Propylene	7.78E-02	8.89E-06
BEK5_Trucks	36	100425	Styrene	3.05E-03	3.48E-07
BEK5_Trucks	36	108883	Toluene	1.47E-01	1.67E-05
BEK5_Trucks	36	1330207	Xylenes	1.22E-01	1.39E-05
CBN1_Trucks	37	75070	Acetaldehyde	0.00E+00	0.00E+00
CBN1_Trucks	37	107028	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	78933	Methyl Ethyl Ketone	0.00E+00	0.00E+00
CBN1_Trucks	37	91203	Naphthalene	0.00E+00	0.00E+00
CBN1_Trucks	37	115071	Propylene	0.00E+00	0.00E+00
CBN1_Trucks	37	100425	Styrene	0.00E+00	0.00E+00
CBN1_Trucks	37	108883	Toluene	0.00E+00	0.00E+00
CBN1_Trucks	37	1330207	Xylenes	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	50000	Formaldehyde	0.00E+00	0.00E+00
CBN2_Trucks	38	110543	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	2.63E-02	3.00E-06
HY03_Trucks	39	107028	Acrolein	1.22E-02	1.39E-06
HY03_Trucks	39	71432	Benzene	2.32E-01	2.65E-05
HY03_Trucks	39	106990	1,3-Butadiene	5.16E-02	5.89E-06
HY03_Trucks	39	100414	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	67561	Methanol	1.13E-02	1.29E-06
HY03_Trucks	39	78933	Methyl Ethyl Ketone	1.88E-03	2.14E-07
HY03_Trucks	39	91203	Naphthalene	4.69E-03	5.35E-07
HY03_Trucks	39	115071	Propylene	2.87E-01	3.28E-05
HY03_Trucks	39	100425	Styrene	1.13E-02	1.29E-06
HY03_Trucks	39	108883	Toluene	5.40E-01	6.17E-05
HY03_Trucks	39	1330207	Xylenes	4.50E-01	5.14E-05
HY04_Trucks	40	75070	Acetaldehyde	2.23E-03	2.54E-07
HY04_Trucks	40	107028	Acrolein	1.03E-03	1.18E-07
HY04_Trucks	40	71432	Benzene	1.96E-02	2.24E-06
HY04_Trucks	40	106990	1,3-Butadiene	4.37E-03	4.99E-07
HY04_Trucks	40	100414	Ethylbenzene	8.35E-03	9.53E-07
HY04_Trucks	40	50000	Formaldehyde	1.26E-02	1.43E-06
HY04_Trucks	40	110543	Hexane	1.27E-02	1.45E-06
HY04_Trucks	40	67561	Methanol	9.54E-04	1.09E-07
HY04_Trucks	40	78933	Methyl Ethyl Ketone	1.59E-04	1.82E-08
HY04_Trucks	40	91203	Naphthalene	3.97E-04	4.54E-08
HY04_Trucks	40	115071	Propylene	2.43E-02	2.78E-06
HY04_Trucks	40	100425	Styrene	9.54E-04	1.09E-07
HY04_Trucks	40	108883	Toluene	4.58E-02	5.23E-06
HY04_Trucks	40	1330207	Xylenes	3.82E-02	4.36E-06
HY05_Trucks	41	75070	Acetaldehyde	3.38E-02	3.86E-06
HY05_Trucks	41	107028	Acrolein	1.57E-02	1.79E-06
HY05_Trucks	41	71432	Benzene	2.98E-01	3.41E-05
HY05_Trucks	41	106990	1,3-Butadiene	6.65E-02	7.59E-06
HY05_Trucks	41	100414	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)

SRC ID	SRC No.	CAS	Pollutant	(Full Build Ops - Onsite)	
				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	100425	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	91203	Naphthalene	3.26E-02	3.72E-06
TRUCKS	6	115071	Propylene	1.99E+00	2.28E-04
TRUCKS	6	100425	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	-	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
Source	Total PM2.5 (ton/yr)	Total PM2.5 (ton/yr)	Total PM2.5 (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)									
2024									
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	0.0126
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
			0.8108		0.8233				

Mitigated									
Annual PM2.5 Conc. (ug/m3)									
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 PM2.5 Conc. (ug/m3)									
2026									
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)

SRC ID	SRC No.	CAS	Pollutant	2024	
				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	110543	Hexane	3.10E-02	3.54E-06
PEN1	4	67561	Methanol	2.33E-03	2.66E-07
PEN1	4	78933	Methyl Ethyl Ketone	3.88E-04	4.43E-08
PEN1	4	91203	Naphthalene	9.70E-04	1.11E-07
PEN1	4	115071	Propylene	5.94E-02	6.78E-06
PEN1	4	100425	Styrene	2.33E-03	2.66E-07
PEN1	4	108883	Toluene	1.12E-01	1.28E-05
PEN1	4	1330207	Xylenes	9.31E-02	1.06E-05
COR2	5	75070	Acetaldehyde	6.90E-03	7.88E-07
COR2	5	107028	Acrolein	3.20E-03	3.66E-07
COR2	5	71432	Benzene	6.09E-02	6.95E-06
COR2	5	106990	1,3-Butadiene	1.36E-02	1.55E-06
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	91203	Naphthalene	1.23E-03	1.41E-07
COR2	5	115071	Propylene	7.54E-02	8.61E-06
COR2	5	100425	Styrene	2.96E-03	3.38E-07
COR2	5	108883	Toluene	1.42E-01	1.62E-05
COR2	5	1330207	Xylenes	1.18E-01	1.35E-05
PEN2	6	75070	Acetaldehyde	3.36E-03	3.83E-07
PEN2	6	107028	Acrolein	1.56E-03	1.78E-07
PEN2	6	71432	Benzene	2.96E-02	3.38E-06
PEN2	6	106990	1,3-Butadiene	6.59E-03	7.52E-07
PEN2	6	100414	Ethylbenzene	1.26E-02	1.44E-06
PEN2	6	50000	Formaldehyde	1.89E-02	2.16E-06
PEN2	6	110543	Hexane	1.92E-02	2.19E-06
PEN2	6	67561	Methanol	1.44E-03	1.64E-07
PEN2	6	78933	Methyl Ethyl Ketone	2.40E-04	2.74E-08
PEN2	6	91203	Naphthalene	5.99E-04	6.84E-08
PEN2	6	115071	Propylene	3.67E-02	4.19E-06
PEN2	6	100425	Styrene	1.44E-03	1.64E-07
PEN2	6	108883	Toluene	6.90E-02	7.88E-06
PEN2	6	1330207	Xylenes	5.75E-02	6.57E-06
PEN3	7	75070	Acetaldehyde	2.81E-03	3.21E-07
PEN3	7	107028	Acrolein	1.31E-03	1.49E-07
PEN3	7	71432	Benzene	2.48E-02	2.83E-06
PEN3	7	106990	1,3-Butadiene	5.53E-03	6.31E-07
PEN3	7	100414	Ethylbenzene	1.06E-02	1.20E-06
PEN3	7	50000	Formaldehyde	1.59E-02	1.81E-06
PEN3	7	110543	Hexane	1.61E-02	1.84E-06
PEN3	7	67561	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	115071	Propylene	3.07E-02	3.51E-06
PEN3	7	100425	Styrene	1.21E-03	1.38E-07
PEN3	7	108883	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	71432	Benzene	2.49E-02	2.84E-06
PEN4	8	106990	1,3-Butadiene	5.54E-03	6.33E-07
PEN4	8	100414	Ethylbenzene	1.06E-02	1.21E-06
PEN4	8	50000	Formaldehyde	1.59E-02	1.82E-06
PEN4	8	110543	Hexane	1.61E-02	1.84E-06
PEN4	8	67561	Methanol	1.21E-03	1.38E-07
PEN4	8	78933	Methyl Ethyl Ketone	2.02E-04	2.30E-08
PEN4	8	91203	Naphthalene	5.04E-04	5.75E-08

PEN4	8	115071	Propylene	3.08E-02	3.52E-06
PEN4	8	100425	Styrene	1.21E-03	1.38E-07
PEN4	8	108883	Toluene	5.80E-02	6.63E-06
PEN4	8	1330207	Xylenes	4.84E-02	5.52E-06
HY03	9	75070	Acetaldehyde	5.53E-03	6.31E-07
HY03	9	107028	Acrolein	2.57E-03	2.93E-07
HY03	9	71432	Benzene	4.88E-02	5.57E-06
HY03	9	106990	1,3-Butadiene	1.09E-02	1.24E-06
HY03	9	100414	Ethylbenzene	2.07E-02	2.37E-06
HY03	9	50000	Formaldehyde	3.12E-02	3.56E-06
HY03	9	110543	Hexane	3.16E-02	3.61E-06
HY03	9	67561	Methanol	2.37E-03	2.70E-07
HY03	9	78933	Methyl Ethyl Ketone	3.95E-04	4.51E-08
HY03	9	91203	Naphthalene	9.87E-04	1.13E-07
HY03	9	115071	Propylene	6.04E-02	6.90E-06
HY03	9	100425	Styrene	2.37E-03	2.70E-07
HY03	9	108883	Toluene	1.14E-01	1.30E-05
HY03	9	1330207	Xylenes	9.48E-02	1.08E-05
HY04	10	75070	Acetaldehyde	5.54E-03	6.33E-07
HY04	10	107028	Acrolein	2.57E-03	2.94E-07
HY04	10	71432	Benzene	4.89E-02	5.58E-06
HY04	10	106990	1,3-Butadiene	1.09E-02	1.24E-06
HY04	10	100414	Ethylbenzene	2.08E-02	2.37E-06
HY04	10	50000	Formaldehyde	3.13E-02	3.57E-06
HY04	10	110543	Hexane	3.17E-02	3.62E-06
HY04	10	67561	Methanol	2.38E-03	2.71E-07
HY04	10	78933	Methyl Ethyl Ketone	3.96E-04	4.52E-08
HY04	10	91203	Naphthalene	9.90E-04	1.13E-07
HY04	10	115071	Propylene	6.06E-02	6.92E-06
HY04	10	100425	Styrene	2.38E-03	2.71E-07
HY04	10	108883	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	91203	Naphthalene	8.81E-04	1.01E-07
HY05	11	115071	Propylene	5.39E-02	6.16E-06
HY05	11	100425	Styrene	2.12E-03	2.42E-07
HY05	11	108883	Toluene	1.02E-01	1.16E-05
HY05	11	1330207	Xylenes	8.46E-02	9.66E-06
HY06	12	75070	Acetaldehyde	4.95E-03	5.65E-07

HY06	12	107028	Acrolein	2.30E-03	2.62E-07
HY06	12	71432	Benzene	4.37E-02	4.99E-06
HY06	12	106990	1,3-Butadiene	9.73E-03	1.11E-06
HY06	12	100414	Ethylbenzene	1.86E-02	2.12E-06
HY06	12	50000	Formaldehyde	2.79E-02	3.19E-06
HY06	12	110543	Hexane	2.83E-02	3.23E-06
HY06	12	67561	Methanol	2.12E-03	2.42E-07
HY06	12	78933	Methyl Ethyl Ketone	3.54E-04	4.04E-08
HY06	12	91203	Naphthalene	8.84E-04	1.01E-07
HY06	12	115071	Propylene	5.41E-02	6.18E-06
HY06	12	100425	Styrene	2.12E-03	2.42E-07
HY06	12	108883	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	50000	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	91203	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	108883	Toluene	6.59E-02	7.53E-06
PEN5	13	1330207	Xylenes	5.49E-02	6.27E-06
PEN6	14	75070	Acetaldehyde	3.22E-03	3.67E-07
PEN6	14	107028	Acrolein	1.49E-03	1.70E-07
PEN6	14	71432	Benzene	2.84E-02	3.24E-06
PEN6	14	106990	1,3-Butadiene	6.32E-03	7.21E-07
PEN6	14	100414	Ethylbenzene	1.21E-02	1.38E-06
PEN6	14	50000	Formaldehyde	1.81E-02	2.07E-06
PEN6	14	110543	Hexane	1.84E-02	2.10E-06
PEN6	14	67561	Methanol	1.38E-03	1.57E-07
PEN6	14	78933	Methyl Ethyl Ketone	2.30E-04	2.62E-08
PEN6	14	91203	Naphthalene	5.74E-04	6.55E-08
PEN6	14	115071	Propylene	3.51E-02	4.01E-06
PEN6	14	100425	Styrene	1.38E-03	1.57E-07
PEN6	14	108883	Toluene	6.61E-02	7.55E-06
PEN6	14	1330207	Xylenes	5.51E-02	6.29E-06

HARP2 Emission Inputs (Mitigated - Alternative 2)

SRC ID	SRC No.	CAS	Pollutant	2025	
				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	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	110543	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	91203	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	91203	Naphthalene	7.89E-04	9.00E-08
COR2	5	115071	Propylene	4.83E-02	5.51E-06
COR2	5	100425	Styrene	1.89E-03	2.16E-07
COR2	5	108883	Toluene	9.09E-02	1.04E-05
COR2	5	1330207	Xylenes	7.57E-02	8.64E-06
PEN2	6	75070	Acetaldehyde	2.15E-03	2.45E-07
PEN2	6	107028	Acrolein	9.97E-04	1.14E-07
PEN2	6	71432	Benzene	1.89E-02	2.16E-06
PEN2	6	106990	1,3-Butadiene	4.22E-03	4.82E-07
PEN2	6	100414	Ethylbenzene	8.05E-03	9.19E-07
PEN2	6	50000	Formaldehyde	1.21E-02	1.38E-06
PEN2	6	110543	Hexane	1.23E-02	1.40E-06
PEN2	6	67561	Methanol	9.20E-04	1.05E-07
PEN2	6	78933	Methyl Ethyl Ketone	1.53E-04	1.75E-08
PEN2	6	91203	Naphthalene	3.83E-04	4.38E-08
PEN2	6	115071	Propylene	2.35E-02	2.68E-06
PEN2	6	100425	Styrene	9.20E-04	1.05E-07
PEN2	6	108883	Toluene	4.42E-02	5.04E-06
PEN2	6	1330207	Xylenes	3.68E-02	4.20E-06
PEN3	7	75070	Acetaldehyde	1.80E-03	2.06E-07
PEN3	7	107028	Acrolein	8.36E-04	9.54E-08
PEN3	7	71432	Benzene	1.59E-02	1.81E-06
PEN3	7	106990	1,3-Butadiene	3.54E-03	4.04E-07
PEN3	7	100414	Ethylbenzene	6.75E-03	7.71E-07
PEN3	7	50000	Formaldehyde	1.02E-02	1.16E-06
PEN3	7	110543	Hexane	1.03E-02	1.17E-06
PEN3	7	67561	Methanol	7.72E-04	8.81E-08
PEN3	7	78933	Methyl Ethyl Ketone	1.29E-04	1.47E-08
PEN3	7	91203	Naphthalene	3.22E-04	3.67E-08
PEN3	7	115071	Propylene	1.97E-02	2.25E-06
PEN3	7	100425	Styrene	7.72E-04	8.81E-08
PEN3	7	108883	Toluene	3.70E-02	4.23E-06
PEN3	7	1330207	Xylenes	3.09E-02	3.52E-06
PEN4	8	75070	Acetaldehyde	1.81E-03	2.06E-07
PEN4	8	107028	Acrolein	8.39E-04	9.57E-08
PEN4	8	71432	Benzene	1.59E-02	1.82E-06
PEN4	8	106990	1,3-Butadiene	3.55E-03	4.05E-07
PEN4	8	100414	Ethylbenzene	6.77E-03	7.73E-07
PEN4	8	50000	Formaldehyde	1.02E-02	1.16E-06
PEN4	8	110543	Hexane	1.03E-02	1.18E-06
PEN4	8	67561	Methanol	7.74E-04	8.84E-08
PEN4	8	78933	Methyl Ethyl Ketone	1.29E-04	1.47E-08
PEN4	8	91203	Naphthalene	3.23E-04	3.68E-08
PEN4	8	115071	Propylene	1.97E-02	2.25E-06
PEN4	8	100425	Styrene	7.74E-04	8.84E-08

PEN4	8	108883	Toluene	3.72E-02	4.24E-06
PEN4	8	1330207	Xylenes	3.10E-02	3.53E-06
HY03	9	75070	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	91203	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	100414	Ethylbenzene	1.33E-02	1.52E-06
HY04	10	50000	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	115071	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	1.67E-07
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	110543	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

HY06	12	106990	1,3-Butadiene	6.23E-03	7.11E-07
HY06	12	100414	Ethylbenzene	1.19E-02	1.36E-06
HY06	12	50000	Formaldehyde	1.79E-02	2.04E-06
HY06	12	110543	Hexane	1.81E-02	2.07E-06
HY06	12	67561	Methanol	1.36E-03	1.55E-07
HY06	12	78933	Methyl Ethyl Ketone	2.26E-04	2.58E-08
HY06	12	91203	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	108883	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	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	106990	1,3-Butadiene	4.04E-03	4.61E-07
PEN6	14	100414	Ethylbenzene	7.72E-03	8.81E-07
PEN6	14	50000	Formaldehyde	1.16E-02	1.33E-06
PEN6	14	110543	Hexane	1.18E-02	1.34E-06
PEN6	14	67561	Methanol	8.82E-04	1.01E-07
PEN6	14	78933	Methyl Ethyl Ketone	1.47E-04	1.68E-08
PEN6	14	91203	Naphthalene	3.68E-04	4.20E-08
PEN6	14	115071	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)

SRC ID	SRC No.	CAS	Pollutant	2026	
				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	100414	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	100425	Styrene	1.20E-03	1.37E-07
PEN1	2	108883	Toluene	5.78E-02	6.60E-06
PEN1	2	1330207	Xylenes	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	71432	Benzene	3.15E-02	3.59E-06
COR2	3	106990	1,3-Butadiene	7.01E-03	8.00E-07
COR2	3	100414	Ethylbenzene	1.34E-02	1.53E-06
COR2	3	50000	Formaldehyde	2.01E-02	2.30E-06
COR2	3	110543	Hexane	2.04E-02	2.33E-06

COR2	3	67561	Methanol	1.53E-03	1.75E-07
COR2	3	78933	Methyl Ethyl Ketone	2.55E-04	2.91E-08
COR2	3	91203	Naphthalene	6.37E-04	7.28E-08
COR2	3	115071	Propylene	3.90E-02	4.45E-06
COR2	3	100425	Styrene	1.53E-03	1.75E-07
COR2	3	108883	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	50000	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	91203	Naphthalene	3.10E-04	3.54E-08
PEN2	4	115071	Propylene	1.90E-02	2.16E-06
PEN2	4	100425	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	75070	Acetaldehyde	1.46E-03	1.66E-07
PEN3	5	107028	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	100414	Ethylbenzene	5.46E-03	6.23E-07
PEN3	5	50000	Formaldehyde	8.21E-03	9.37E-07
PEN3	5	110543	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	91203	Naphthalene	2.60E-04	2.97E-08
PEN3	5	115071	Propylene	1.59E-02	1.82E-06
PEN3	5	100425	Styrene	6.24E-04	7.12E-08
PEN3	5	108883	Toluene	2.99E-02	3.42E-06
PEN3	5	1330207	Xylenes	2.49E-02	2.85E-06
PEN4	6	75070	Acetaldehyde	1.46E-03	1.67E-07
PEN4	6	107028	Acrolein	6.78E-04	7.74E-08
PEN4	6	71432	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	50000	Formaldehyde	8.24E-03	9.40E-07
PEN4	6	110543	Hexane	8.34E-03	9.52E-07
PEN4	6	67561	Methanol	6.25E-04	7.14E-08
PEN4	6	78933	Methyl Ethyl Ketone	1.04E-04	1.19E-08
PEN4	6	91203	Naphthalene	2.61E-04	2.98E-08
PEN4	6	115071	Propylene	1.59E-02	1.82E-06
PEN4	6	100425	Styrene	6.25E-04	7.14E-08

PEN4	6	108883	Toluene	3.00E-02	3.43E-06
PEN4	6	1330207	Xylenes	2.50E-02	2.86E-06
HY03	7	75070	Acetaldehyde	2.86E-03	3.26E-07
HY03	7	107028	Acrolein	1.33E-03	1.52E-07
HY03	7	71432	Benzene	2.52E-02	2.88E-06
HY03	7	106990	1,3-Butadiene	5.62E-03	6.41E-07
HY03	7	100414	Ethylbenzene	1.07E-02	1.22E-06
HY03	7	50000	Formaldehyde	1.61E-02	1.84E-06
HY03	7	110543	Hexane	1.63E-02	1.86E-06
HY03	7	67561	Methanol	1.23E-03	1.40E-07
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	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	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	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
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	110543	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	Xylenes	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	67561	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	115071	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
Full Build	
Source	Total PM2.5 (ton/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

Source	% Diff Total PM2.5 (ton/yr)	Project - Resident	Est. Reduced Footprint - Resident	Project - Worker	Est. Reduced Footprint - 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)

SRC ID	SRC No.	CAS	Pollutant	(Full Build Ops - Offsite)	
				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

PEN1_Cars	1	71432	Benzene	6.41E-01	7.32E-05
PEN1_Cars	1	106990	1,3-Butadiene	1.43E-01	1.63E-05
PEN1_Cars	1	100414	Ethylbenzene	2.73E-01	3.11E-05
PEN1_Cars	1	50000	Formaldehyde	4.10E-01	4.68E-05
PEN1_Cars	1	110543	Hexane	4.15E-01	4.74E-05
PEN1_Cars	1	67561	Methanol	3.12E-02	3.56E-06
PEN1_Cars	1	78933	Methyl Ethyl Ketone	5.19E-03	5.93E-07
PEN1_Cars	1	91203	Naphthalene	1.30E-02	1.48E-06
PEN1_Cars	1	115071	Propylene	7.95E-01	9.07E-05
PEN1_Cars	1	100425	Styrene	3.12E-02	3.56E-06
PEN1_Cars	1	108883	Toluene	1.50E+00	1.71E-04
PEN1_Cars	1	1330207	Xylenes	1.25E+00	1.42E-04
COR1_Cars	2	75070	Acetaldehyde	4.52E-04	5.15E-08
COR1_Cars	2	107028	Acrolein	2.10E-04	2.39E-08
COR1_Cars	2	71432	Benzene	3.98E-03	4.55E-07
COR1_Cars	2	106990	1,3-Butadiene	8.87E-04	1.01E-07
COR1_Cars	2	100414	Ethylbenzene	1.69E-03	1.93E-07
COR1_Cars	2	50000	Formaldehyde	2.55E-03	2.91E-07
COR1_Cars	2	110543	Hexane	2.58E-03	2.95E-07
COR1_Cars	2	67561	Methanol	1.94E-04	2.21E-08
COR1_Cars	2	78933	Methyl Ethyl Ketone	3.23E-05	3.68E-09
COR1_Cars	2	91203	Naphthalene	8.06E-05	9.21E-09
COR1_Cars	2	115071	Propylene	4.94E-03	5.63E-07
COR1_Cars	2	100425	Styrene	1.94E-04	2.21E-08
COR1_Cars	2	108883	Toluene	9.29E-03	1.06E-06
COR1_Cars	2	1330207	Xylenes	7.74E-03	8.84E-07
COR2_Cars	3	75070	Acetaldehyde	7.68E-03	8.76E-07
COR2_Cars	3	107028	Acrolein	3.56E-03	4.07E-07
COR2_Cars	3	71432	Benzene	6.77E-02	7.73E-06
COR2_Cars	3	106990	1,3-Butadiene	1.51E-02	1.72E-06
COR2_Cars	3	100414	Ethylbenzene	2.88E-02	3.29E-06
COR2_Cars	3	50000	Formaldehyde	4.33E-02	4.95E-06
COR2_Cars	3	110543	Hexane	4.39E-02	5.01E-06
COR2_Cars	3	67561	Methanol	3.29E-03	3.76E-07
COR2_Cars	3	78933	Methyl Ethyl Ketone	5.48E-04	6.26E-08
COR2_Cars	3	91203	Naphthalene	1.37E-03	1.56E-07
COR2_Cars	3	115071	Propylene	8.39E-02	9.58E-06
COR2_Cars	3	100425	Styrene	3.29E-03	3.76E-07
COR2_Cars	3	108883	Toluene	1.58E-01	1.80E-05
COR2_Cars	3	1330207	Xylenes	1.32E-01	1.50E-05
PEN2_Cars	4	75070	Acetaldehyde	8.28E-03	9.45E-07
PEN2_Cars	4	107028	Acrolein	3.84E-03	4.39E-07
PEN2_Cars	4	71432	Benzene	7.30E-02	8.34E-06
PEN2_Cars	4	106990	1,3-Butadiene	1.63E-02	1.86E-06
PEN2_Cars	4	100414	Ethylbenzene	3.10E-02	3.54E-06
PEN2_Cars	4	50000	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	78933	Methyl Ethyl Ketone	5.91E-04	6.75E-08
PEN2_Cars	4	91203	Naphthalene	1.48E-03	1.69E-07
PEN2_Cars	4	115071	Propylene	9.05E-02	1.03E-05
PEN2_Cars	4	100425	Styrene	3.55E-03	4.05E-07
PEN2_Cars	4	108883	Toluene	1.70E-01	1.94E-05
PEN2_Cars	4	1330207	Xylenes	1.42E-01	1.62E-05
HY01_Cars	5	75070	Acetaldehyde	1.01E-02	1.15E-06
HY01_Cars	5	107028	Acrolein	4.68E-03	5.35E-07
HY01_Cars	5	71432	Benzene	8.90E-02	1.02E-05
HY01_Cars	5	106990	1,3-Butadiene	1.98E-02	2.26E-06
HY01_Cars	5	100414	Ethylbenzene	3.78E-02	4.32E-06
HY01_Cars	5	50000	Formaldehyde	5.69E-02	6.50E-06
HY01_Cars	5	110543	Hexane	5.76E-02	6.58E-06
HY01_Cars	5	67561	Methanol	4.32E-03	4.93E-07
HY01_Cars	5	78933	Methyl Ethyl Ketone	7.20E-04	8.22E-08
HY01_Cars	5	91203	Naphthalene	1.80E-03	2.06E-07
HY01_Cars	5	115071	Propylene	1.10E-01	1.26E-05
HY01_Cars	5	100425	Styrene	4.32E-03	4.93E-07
HY01_Cars	5	108883	Toluene	2.07E-01	2.37E-05
HY01_Cars	5	1330207	Xylenes	1.73E-01	1.97E-05
HY02_Cars	6	75070	Acetaldehyde	1.61E-02	1.84E-06
HY02_Cars	6	107028	Acrolein	7.48E-03	8.54E-07
HY02_Cars	6	71432	Benzene	1.42E-01	1.62E-05
HY02_Cars	6	106990	1,3-Butadiene	3.16E-02	3.61E-06
HY02_Cars	6	100414	Ethylbenzene	6.04E-02	6.89E-06
HY02_Cars	6	50000	Formaldehyde	9.09E-02	1.04E-05
HY02_Cars	6	110543	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	108883	Toluene	3.31E-01	3.78E-05
HY02_Cars	6	1330207	Xylenes	2.76E-01	3.15E-05
PEN3_Cars	7	75070	Acetaldehyde	8.13E-03	9.28E-07
PEN3_Cars	7	107028	Acrolein	3.77E-03	4.31E-07
PEN3_Cars	7	71432	Benzene	7.17E-02	8.19E-06
PEN3_Cars	7	106990	1,3-Butadiene	1.60E-02	1.82E-06
PEN3_Cars	7	100414	Ethylbenzene	3.05E-02	3.48E-06
PEN3_Cars	7	50000	Formaldehyde	4.59E-02	5.24E-06
PEN3_Cars	7	110543	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	91203	Naphthalene	1.45E-03	1.66E-07
PEN3_Cars	7	115071	Propylene	8.88E-02	1.01E-05
PEN3_Cars	7	100425	Styrene	3.48E-03	3.98E-07

PEN3_Cars	7	108883	Toluene	1.67E-01	1.91E-05
PEN3_Cars	7	1330207	Xylenes	1.39E-01	1.59E-05
PEN4_Cars	8	75070	Acetaldehyde	1.11E-02	1.27E-06
PEN4_Cars	8	107028	Acrolein	5.17E-03	5.90E-07
PEN4_Cars	8	71432	Benzene	9.83E-02	1.12E-05
PEN4_Cars	8	106990	1,3-Butadiene	2.19E-02	2.50E-06
PEN4_Cars	8	100414	Ethylbenzene	4.18E-02	4.77E-06
PEN4_Cars	8	50000	Formaldehyde	6.29E-02	7.18E-06
PEN4_Cars	8	110543	Hexane	6.37E-02	7.27E-06
PEN4_Cars	8	67561	Methanol	4.77E-03	5.45E-07
PEN4_Cars	8	78933	Methyl Ethyl Ketone	7.96E-04	9.08E-08
PEN4_Cars	8	91203	Naphthalene	1.99E-03	2.27E-07
PEN4_Cars	8	115071	Propylene	1.22E-01	1.39E-05
PEN4_Cars	8	100425	Styrene	4.77E-03	5.45E-07
PEN4_Cars	8	108883	Toluene	2.29E-01	2.62E-05
PEN4_Cars	8	1330207	Xylenes	1.91E-01	2.18E-05
WTX1_Cars	9	75070	Acetaldehyde	3.01E-03	3.44E-07
WTX1_Cars	9	107028	Acrolein	1.40E-03	1.60E-07
WTX1_Cars	9	71432	Benzene	2.66E-02	3.03E-06
WTX1_Cars	9	106990	1,3-Butadiene	5.91E-03	6.75E-07
WTX1_Cars	9	100414	Ethylbenzene	1.13E-02	1.29E-06
WTX1_Cars	9	50000	Formaldehyde	1.70E-02	1.94E-06
WTX1_Cars	9	110543	Hexane	1.72E-02	1.96E-06
WTX1_Cars	9	67561	Methanol	1.29E-03	1.47E-07
WTX1_Cars	9	78933	Methyl Ethyl Ketone	2.15E-04	2.45E-08
WTX1_Cars	9	91203	Naphthalene	5.38E-04	6.14E-08
WTX1_Cars	9	115071	Propylene	3.29E-02	3.76E-06
WTX1_Cars	9	100425	Styrene	1.29E-03	1.47E-07
WTX1_Cars	9	108883	Toluene	6.19E-02	7.07E-06
WTX1_Cars	9	1330207	Xylenes	5.16E-02	5.89E-06
BEK1_Cars	10	75070	Acetaldehyde	1.04E-02	1.19E-06
BEK1_Cars	10	107028	Acrolein	4.82E-03	5.50E-07
BEK1_Cars	10	71432	Benzene	9.16E-02	1.05E-05
BEK1_Cars	10	106990	1,3-Butadiene	2.04E-02	2.33E-06
BEK1_Cars	10	100414	Ethylbenzene	3.89E-02	4.45E-06
BEK1_Cars	10	50000	Formaldehyde	5.86E-02	6.69E-06
BEK1_Cars	10	110543	Hexane	5.93E-02	6.78E-06
BEK1_Cars	10	67561	Methanol	4.45E-03	5.08E-07
BEK1_Cars	10	78933	Methyl Ethyl Ketone	7.42E-04	8.47E-08
BEK1_Cars	10	91203	Naphthalene	1.85E-03	2.12E-07
BEK1_Cars	10	115071	Propylene	1.14E-01	1.30E-05
BEK1_Cars	10	100425	Styrene	4.45E-03	5.08E-07
BEK1_Cars	10	108883	Toluene	2.14E-01	2.44E-05
BEK1_Cars	10	1330207	Xylenes	1.78E-01	2.03E-05
BEK2_Cars	11	75070	Acetaldehyde	1.04E-02	1.19E-06
BEK2_Cars	11	107028	Acrolein	4.82E-03	5.50E-07
BEK2_Cars	11	71432	Benzene	9.16E-02	1.05E-05

BEK2_Cars	11	106990	1,3-Butadiene	2.04E-02	2.33E-06
BEK2_Cars	11	100414	Ethylbenzene	3.89E-02	4.45E-06
BEK2_Cars	11	50000	Formaldehyde	5.86E-02	6.69E-06
BEK2_Cars	11	110543	Hexane	5.93E-02	6.78E-06
BEK2_Cars	11	67561	Methanol	4.45E-03	5.08E-07
BEK2_Cars	11	78933	Methyl Ethyl Ketone	7.42E-04	8.47E-08
BEK2_Cars	11	91203	Naphthalene	1.85E-03	2.12E-07
BEK2_Cars	11	115071	Propylene	1.14E-01	1.30E-05
BEK2_Cars	11	100425	Styrene	4.45E-03	5.08E-07
BEK2_Cars	11	108883	Toluene	2.14E-01	2.44E-05
BEK2_Cars	11	1330207	Xylenes	1.78E-01	2.03E-05
COR3_Cars	12	75070	Acetaldehyde	1.51E-03	1.72E-07
COR3_Cars	12	107028	Acrolein	6.99E-04	7.98E-08
COR3_Cars	12	71432	Benzene	1.33E-02	1.52E-06
COR3_Cars	12	106990	1,3-Butadiene	2.96E-03	3.38E-07
COR3_Cars	12	100414	Ethylbenzene	5.64E-03	6.44E-07
COR3_Cars	12	50000	Formaldehyde	8.49E-03	9.70E-07
COR3_Cars	12	110543	Hexane	8.60E-03	9.82E-07
COR3_Cars	12	67561	Methanol	6.45E-04	7.36E-08
COR3_Cars	12	78933	Methyl Ethyl Ketone	1.08E-04	1.23E-08
COR3_Cars	12	91203	Naphthalene	2.69E-04	3.07E-08
COR3_Cars	12	115071	Propylene	1.65E-02	1.88E-06
COR3_Cars	12	100425	Styrene	6.45E-04	7.36E-08
COR3_Cars	12	108883	Toluene	3.10E-02	3.53E-06
COR3_Cars	12	1330207	Xylenes	2.58E-02	2.95E-06
BEK3_Cars	13	75070	Acetaldehyde	3.91E-03	4.47E-07
BEK3_Cars	13	107028	Acrolein	1.82E-03	2.07E-07
BEK3_Cars	13	71432	Benzene	3.45E-02	3.94E-06
BEK3_Cars	13	106990	1,3-Butadiene	7.69E-03	8.78E-07
BEK3_Cars	13	100414	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	67561	Methanol	1.68E-03	1.91E-07
BEK3_Cars	13	78933	Methyl Ethyl Ketone	2.80E-04	3.19E-08
BEK3_Cars	13	91203	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	108883	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	100414	Ethylbenzene	5.64E-03	6.44E-07
BEK4_Cars	14	50000	Formaldehyde	8.49E-03	9.70E-07
BEK4_Cars	14	110543	Hexane	8.60E-03	9.82E-07
BEK4_Cars	14	67561	Methanol	6.45E-04	7.36E-08

BEK4_Cars	14	78933	Methyl Ethyl Ketone	1.08E-04	1.23E-08
BEK4_Cars	14	91203	Naphthalene	2.69E-04	3.07E-08
BEK4_Cars	14	115071	Propylene	1.65E-02	1.88E-06
BEK4_Cars	14	100425	Styrene	6.45E-04	7.36E-08
BEK4_Cars	14	108883	Toluene	3.10E-02	3.53E-06
BEK4_Cars	14	1330207	Xylenes	2.58E-02	2.95E-06
BEK5_Cars	15	75070	Acetaldehyde	2.41E-03	2.75E-07
BEK5_Cars	15	107028	Acrolein	1.12E-03	1.28E-07
BEK5_Cars	15	71432	Benzene	2.12E-02	2.43E-06
BEK5_Cars	15	106990	1,3-Butadiene	4.73E-03	5.40E-07
BEK5_Cars	15	100414	Ethylbenzene	9.03E-03	1.03E-06
BEK5_Cars	15	50000	Formaldehyde	1.36E-02	1.55E-06
BEK5_Cars	15	110543	Hexane	1.38E-02	1.57E-06
BEK5_Cars	15	67561	Methanol	1.03E-03	1.18E-07
BEK5_Cars	15	78933	Methyl Ethyl Ketone	1.72E-04	1.96E-08
BEK5_Cars	15	91203	Naphthalene	4.30E-04	4.91E-08
BEK5_Cars	15	115071	Propylene	2.63E-02	3.00E-06
BEK5_Cars	15	100425	Styrene	1.03E-03	1.18E-07
BEK5_Cars	15	108883	Toluene	4.95E-02	5.66E-06
BEK5_Cars	15	1330207	Xylenes	4.13E-02	4.71E-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	100414	Ethylbenzene	0.00E+00	0.00E+00
CBN1_Cars	16	50000	Formaldehyde	0.00E+00	0.00E+00
CBN1_Cars	16	110543	Hexane	0.00E+00	0.00E+00
CBN1_Cars	16	67561	Methanol	0.00E+00	0.00E+00
CBN1_Cars	16	78933	Methyl Ethyl Ketone	0.00E+00	0.00E+00
CBN1_Cars	16	91203	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	Xylenes	0.00E+00	0.00E+00
CBN2_Cars	17	75070	Acetaldehyde	0.00E+00	0.00E+00
CBN2_Cars	17	107028	Acrolein	0.00E+00	0.00E+00
CBN2_Cars	17	71432	Benzene	0.00E+00	0.00E+00
CBN2_Cars	17	106990	1,3-Butadiene	0.00E+00	0.00E+00
CBN2_Cars	17	100414	Ethylbenzene	0.00E+00	0.00E+00
CBN2_Cars	17	50000	Formaldehyde	0.00E+00	0.00E+00
CBN2_Cars	17	110543	Hexane	0.00E+00	0.00E+00
CBN2_Cars	17	67561	Methanol	0.00E+00	0.00E+00
CBN2_Cars	17	78933	Methyl Ethyl Ketone	0.00E+00	0.00E+00
CBN2_Cars	17	91203	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	Xylenes	0.00E+00	0.00E+00
HY03_Cars	18	75070	Acetaldehyde	8.88E-03	1.01E-06
HY03_Cars	18	107028	Acrolein	4.12E-03	4.71E-07
HY03_Cars	18	71432	Benzene	7.83E-02	8.94E-06
HY03_Cars	18	106990	1,3-Butadiene	1.74E-02	1.99E-06
HY03_Cars	18	100414	Ethylbenzene	3.33E-02	3.80E-06
HY03_Cars	18	50000	Formaldehyde	5.01E-02	5.72E-06
HY03_Cars	18	110543	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	91203	Naphthalene	1.59E-03	1.81E-07
HY03_Cars	18	115071	Propylene	9.71E-02	1.11E-05
HY03_Cars	18	100425	Styrene	3.81E-03	4.34E-07
HY03_Cars	18	108883	Toluene	1.83E-01	2.09E-05
HY03_Cars	18	1330207	Xylenes	1.52E-01	1.74E-05
HY04_Cars	19	75070	Acetaldehyde	7.53E-04	8.59E-08
HY04_Cars	19	107028	Acrolein	3.49E-04	3.99E-08
HY04_Cars	19	71432	Benzene	6.64E-03	7.58E-07
HY04_Cars	19	106990	1,3-Butadiene	1.48E-03	1.69E-07
HY04_Cars	19	100414	Ethylbenzene	2.82E-03	3.22E-07
HY04_Cars	19	50000	Formaldehyde	4.25E-03	4.85E-07
HY04_Cars	19	110543	Hexane	4.30E-03	4.91E-07
HY04_Cars	19	67561	Methanol	3.23E-04	3.68E-08
HY04_Cars	19	78933	Methyl Ethyl Ketone	5.38E-05	6.14E-09
HY04_Cars	19	91203	Naphthalene	1.34E-04	1.53E-08
HY04_Cars	19	115071	Propylene	8.23E-03	9.39E-07
HY04_Cars	19	100425	Styrene	3.23E-04	3.68E-08
HY04_Cars	19	108883	Toluene	1.55E-02	1.77E-06
HY04_Cars	19	1330207	Xylenes	1.29E-02	1.47E-06
HY05_Cars	20	75070	Acetaldehyde	1.14E-02	1.31E-06
HY05_Cars	20	107028	Acrolein	5.31E-03	6.06E-07
HY05_Cars	20	71432	Benzene	1.01E-01	1.15E-05
HY05_Cars	20	106990	1,3-Butadiene	2.25E-02	2.57E-06
HY05_Cars	20	100414	Ethylbenzene	4.29E-02	4.90E-06
HY05_Cars	20	50000	Formaldehyde	6.46E-02	7.37E-06
HY05_Cars	20	110543	Hexane	6.54E-02	7.46E-06
HY05_Cars	20	67561	Methanol	4.90E-03	5.60E-07
HY05_Cars	20	78933	Methyl Ethyl Ketone	8.17E-04	9.33E-08
HY05_Cars	20	91203	Naphthalene	2.04E-03	2.33E-07
HY05_Cars	20	115071	Propylene	1.25E-01	1.43E-05
HY05_Cars	20	100425	Styrene	4.90E-03	5.60E-07
HY05_Cars	20	108883	Toluene	2.35E-01	2.69E-05
HY05_Cars	20	1330207	Xylenes	1.96E-01	2.24E-05
HY06_Cars	21	75070	Acetaldehyde	1.58E-02	1.80E-06
HY06_Cars	21	107028	Acrolein	7.34E-03	8.38E-07
HY06_Cars	21	71432	Benzene	1.39E-01	1.59E-05
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	50000	Formaldehyde	8.92E-02	1.02E-05
HY06_Cars	21	110543	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	91203	Naphthalene	2.82E-03	3.22E-07
HY06_Cars	21	115071	Propylene	1.73E-01	1.97E-05
HY06_Cars	21	100425	Styrene	6.77E-03	7.73E-07
HY06_Cars	21	108883	Toluene	3.25E-01	3.71E-05
HY06_Cars	21	1330207	Xylenes	2.71E-01	3.09E-05
PEN1_Trucks	22	75070	Acetaldehyde	2.02E-01	2.31E-05
PEN1_Trucks	22	107028	Acrolein	9.40E-02	1.07E-05
PEN1_Trucks	22	71432	Benzene	1.79E+00	2.04E-04
PEN1_Trucks	22	106990	1,3-Butadiene	3.98E-01	4.54E-05
PEN1_Trucks	22	100414	Ethylbenzene	7.59E-01	8.67E-05
PEN1_Trucks	22	50000	Formaldehyde	1.14E+00	1.30E-04
PEN1_Trucks	22	110543	Hexane	1.16E+00	1.32E-04
PEN1_Trucks	22	67561	Methanol	8.68E-02	9.90E-06
PEN1_Trucks	22	78933	Methyl Ethyl Ketone	1.45E-02	1.65E-06
PEN1_Trucks	22	91203	Naphthalene	3.61E-02	4.13E-06
PEN1_Trucks	22	115071	Propylene	2.21E+00	2.53E-04
PEN1_Trucks	22	100425	Styrene	8.68E-02	9.90E-06
PEN1_Trucks	22	108883	Toluene	4.16E+00	4.75E-04
PEN1_Trucks	22	1330207	Xylenes	3.47E+00	3.96E-04
COR1_Trucks	23	75070	Acetaldehyde	1.26E-03	1.44E-07
COR1_Trucks	23	107028	Acrolein	5.84E-04	6.66E-08
COR1_Trucks	23	71432	Benzene	1.11E-02	1.27E-06
COR1_Trucks	23	106990	1,3-Butadiene	2.47E-03	2.82E-07
COR1_Trucks	23	100414	Ethylbenzene	4.71E-03	5.38E-07
COR1_Trucks	23	50000	Formaldehyde	7.09E-03	8.10E-07
COR1_Trucks	23	110543	Hexane	7.18E-03	8.20E-07
COR1_Trucks	23	67561	Methanol	5.39E-04	6.15E-08
COR1_Trucks	23	78933	Methyl Ethyl Ketone	8.98E-05	1.03E-08
COR1_Trucks	23	91203	Naphthalene	2.25E-04	2.56E-08
COR1_Trucks	23	115071	Propylene	1.37E-02	1.57E-06
COR1_Trucks	23	100425	Styrene	5.39E-04	6.15E-08
COR1_Trucks	23	108883	Toluene	2.59E-02	2.95E-06
COR1_Trucks	23	1330207	Xylenes	2.16E-02	2.46E-06
COR2_Trucks	24	75070	Acetaldehyde	2.14E-02	2.44E-06
COR2_Trucks	24	107028	Acrolein	9.92E-03	1.13E-06
COR2_Trucks	24	71432	Benzene	1.89E-01	2.15E-05
COR2_Trucks	24	106990	1,3-Butadiene	4.20E-02	4.79E-06
COR2_Trucks	24	100414	Ethylbenzene	8.02E-02	9.15E-06
COR2_Trucks	24	50000	Formaldehyde	1.21E-01	1.38E-05
COR2_Trucks	24	110543	Hexane	1.22E-01	1.39E-05
COR2_Trucks	24	67561	Methanol	9.16E-03	1.05E-06
COR2_Trucks	24	78933	Methyl Ethyl Ketone	1.53E-03	1.74E-07

COR2_Trucks	24	91203	Naphthalene	3.82E-03	4.36E-07
COR2_Trucks	24	115071	Propylene	2.34E-01	2.67E-05
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	107028	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	50000	Formaldehyde	1.30E-01	1.48E-05
PEN2_Trucks	25	110543	Hexane	1.32E-01	1.50E-05
PEN2_Trucks	25	67561	Methanol	9.88E-03	1.13E-06
PEN2_Trucks	25	78933	Methyl Ethyl Ketone	1.65E-03	1.88E-07
PEN2_Trucks	25	91203	Naphthalene	4.12E-03	4.70E-07
PEN2_Trucks	25	115071	Propylene	2.52E-01	2.88E-05
PEN2_Trucks	25	100425	Styrene	9.88E-03	1.13E-06
PEN2_Trucks	25	108883	Toluene	4.74E-01	5.41E-05
PEN2_Trucks	25	1330207	Xylenes	3.95E-01	4.51E-05
HY01_Trucks	26	75070	Acetaldehyde	2.81E-02	3.21E-06
HY01_Trucks	26	107028	Acrolein	1.30E-02	1.49E-06
HY01_Trucks	26	71432	Benzene	2.48E-01	2.83E-05
HY01_Trucks	26	106990	1,3-Butadiene	5.52E-02	6.30E-06
HY01_Trucks	26	100414	Ethylbenzene	1.05E-01	1.20E-05
HY01_Trucks	26	50000	Formaldehyde	1.58E-01	1.81E-05
HY01_Trucks	26	110543	Hexane	1.60E-01	1.83E-05
HY01_Trucks	26	67561	Methanol	1.20E-02	1.37E-06
HY01_Trucks	26	78933	Methyl Ethyl Ketone	2.01E-03	2.29E-07
HY01_Trucks	26	91203	Naphthalene	5.01E-03	5.72E-07
HY01_Trucks	26	115071	Propylene	3.07E-01	3.50E-05
HY01_Trucks	26	100425	Styrene	1.20E-02	1.37E-06
HY01_Trucks	26	108883	Toluene	5.78E-01	6.59E-05
HY01_Trucks	26	1330207	Xylenes	4.81E-01	5.50E-05
HY02_Trucks	27	75070	Acetaldehyde	4.48E-02	5.12E-06
HY02_Trucks	27	107028	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	100414	Ethylbenzene	1.68E-01	1.92E-05
HY02_Trucks	27	50000	Formaldehyde	2.53E-01	2.89E-05
HY02_Trucks	27	110543	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	91203	Naphthalene	8.01E-03	9.14E-07
HY02_Trucks	27	115071	Propylene	4.90E-01	5.59E-05
HY02_Trucks	27	100425	Styrene	1.92E-02	2.19E-06
HY02_Trucks	27	108883	Toluene	9.23E-01	1.05E-04
HY02_Trucks	27	1330207	Xylenes	7.69E-01	8.78E-05

PEN3_Trucks	28	75070	Acetaldehyde	2.26E-02	2.58E-06
PEN3_Trucks	28	107028	Acrolein	1.05E-02	1.20E-06
PEN3_Trucks	28	71432	Benzene	2.00E-01	2.28E-05
PEN3_Trucks	28	106990	1,3-Butadiene	4.45E-02	5.07E-06
PEN3_Trucks	28	100414	Ethylbenzene	8.49E-02	9.69E-06
PEN3_Trucks	28	50000	Formaldehyde	1.28E-01	1.46E-05
PEN3_Trucks	28	110543	Hexane	1.29E-01	1.48E-05
PEN3_Trucks	28	67561	Methanol	9.70E-03	1.11E-06
PEN3_Trucks	28	78933	Methyl Ethyl Ketone	1.62E-03	1.85E-07
PEN3_Trucks	28	91203	Naphthalene	4.04E-03	4.61E-07
PEN3_Trucks	28	115071	Propylene	2.47E-01	2.82E-05
PEN3_Trucks	28	100425	Styrene	9.70E-03	1.11E-06
PEN3_Trucks	28	108883	Toluene	4.66E-01	5.31E-05
PEN3_Trucks	28	1330207	Xylenes	3.88E-01	4.43E-05
PEN4_Trucks	29	75070	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	91203	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	106990	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	4.10E-07
WTX1_Trucks	30	108883	Toluene	1.72E-01	1.97E-05
WTX1_Trucks	30	1330207	Xylenes	1.44E-01	1.64E-05
BEK1_Trucks	31	75070	Acetaldehyde	2.89E-02	3.30E-06
BEK1_Trucks	31	107028	Acrolein	1.34E-02	1.53E-06
BEK1_Trucks	31	71432	Benzene	2.55E-01	2.91E-05
BEK1_Trucks	31	106990	1,3-Butadiene	5.68E-02	6.48E-06
BEK1_Trucks	31	100414	Ethylbenzene	1.08E-01	1.24E-05

BEK1_Trucks	31	50000	Formaldehyde	1.63E-01	1.86E-05
BEK1_Trucks	31	110543	Hexane	1.65E-01	1.89E-05
BEK1_Trucks	31	67561	Methanol	1.24E-02	1.41E-06
BEK1_Trucks	31	78933	Methyl Ethyl Ketone	2.07E-03	2.36E-07
BEK1_Trucks	31	91203	Naphthalene	5.16E-03	5.89E-07
BEK1_Trucks	31	115071	Propylene	3.16E-01	3.61E-05
BEK1_Trucks	31	100425	Styrene	1.24E-02	1.41E-06
BEK1_Trucks	31	108883	Toluene	5.95E-01	6.79E-05
BEK1_Trucks	31	1330207	Xylenes	4.96E-01	5.66E-05
BEK2_Trucks	32	75070	Acetaldehyde	2.89E-02	3.30E-06
BEK2_Trucks	32	107028	Acrolein	1.34E-02	1.53E-06
BEK2_Trucks	32	71432	Benzene	2.55E-01	2.91E-05
BEK2_Trucks	32	106990	1,3-Butadiene	5.68E-02	6.48E-06
BEK2_Trucks	32	100414	Ethylbenzene	1.08E-01	1.24E-05
BEK2_Trucks	32	50000	Formaldehyde	1.63E-01	1.86E-05
BEK2_Trucks	32	110543	Hexane	1.65E-01	1.89E-05
BEK2_Trucks	32	67561	Methanol	1.24E-02	1.41E-06
BEK2_Trucks	32	78933	Methyl Ethyl Ketone	2.07E-03	2.36E-07
BEK2_Trucks	32	91203	Naphthalene	5.16E-03	5.89E-07
BEK2_Trucks	32	115071	Propylene	3.16E-01	3.61E-05
BEK2_Trucks	32	100425	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	100414	Ethylbenzene	1.57E-02	1.79E-06
COR3_Trucks	33	50000	Formaldehyde	2.36E-02	2.70E-06
COR3_Trucks	33	110543	Hexane	2.39E-02	2.73E-06
COR3_Trucks	33	67561	Methanol	1.80E-03	2.05E-07
COR3_Trucks	33	78933	Methyl Ethyl Ketone	2.99E-04	3.42E-08
COR3_Trucks	33	91203	Naphthalene	7.48E-04	8.54E-08
COR3_Trucks	33	115071	Propylene	4.58E-02	5.23E-06
COR3_Trucks	33	100425	Styrene	1.80E-03	2.05E-07
COR3_Trucks	33	108883	Toluene	8.62E-02	9.84E-06
COR3_Trucks	33	1330207	Xylenes	7.18E-02	8.20E-06
BEK3_Trucks	34	75070	Acetaldehyde	1.09E-02	1.24E-06
BEK3_Trucks	34	107028	Acrolein	5.06E-03	5.78E-07
BEK3_Trucks	34	71432	Benzene	9.61E-02	1.10E-05
BEK3_Trucks	34	106990	1,3-Butadiene	2.14E-02	2.44E-06
BEK3_Trucks	34	100414	Ethylbenzene	4.09E-02	4.66E-06
BEK3_Trucks	34	50000	Formaldehyde	6.15E-02	7.02E-06
BEK3_Trucks	34	110543	Hexane	6.23E-02	7.11E-06
BEK3_Trucks	34	67561	Methanol	4.67E-03	5.33E-07
BEK3_Trucks	34	78933	Methyl Ethyl Ketone	7.78E-04	8.89E-08
BEK3_Trucks	34	91203	Naphthalene	1.95E-03	2.22E-07

BEK3_Trucks	34	115071	Propylene	1.19E-01	1.36E-05
BEK3_Trucks	34	100425	Styrene	4.67E-03	5.33E-07
BEK3_Trucks	34	108883	Toluene	2.24E-01	2.56E-05
BEK3_Trucks	34	1330207	Xylenes	1.87E-01	2.13E-05
BEK4_Trucks	35	75070	Acetaldehyde	4.19E-03	4.78E-07
BEK4_Trucks	35	107028	Acrolein	1.95E-03	2.22E-07
BEK4_Trucks	35	71432	Benzene	3.70E-02	4.22E-06
BEK4_Trucks	35	106990	1,3-Butadiene	8.23E-03	9.40E-07
BEK4_Trucks	35	100414	Ethylbenzene	1.57E-02	1.79E-06
BEK4_Trucks	35	50000	Formaldehyde	2.36E-02	2.70E-06
BEK4_Trucks	35	110543	Hexane	2.39E-02	2.73E-06
BEK4_Trucks	35	67561	Methanol	1.80E-03	2.05E-07
BEK4_Trucks	35	78933	Methyl Ethyl Ketone	2.99E-04	3.42E-08
BEK4_Trucks	35	91203	Naphthalene	7.48E-04	8.54E-08
BEK4_Trucks	35	115071	Propylene	4.58E-02	5.23E-06
BEK4_Trucks	35	100425	Styrene	1.80E-03	2.05E-07
BEK4_Trucks	35	108883	Toluene	8.62E-02	9.84E-06
BEK4_Trucks	35	1330207	Xylenes	7.18E-02	8.20E-06
BEK5_Trucks	36	75070	Acetaldehyde	6.71E-03	7.65E-07
BEK5_Trucks	36	107028	Acrolein	3.11E-03	3.55E-07
BEK5_Trucks	36	71432	Benzene	5.92E-02	6.75E-06
BEK5_Trucks	36	106990	1,3-Butadiene	1.32E-02	1.50E-06
BEK5_Trucks	36	100414	Ethylbenzene	2.51E-02	2.87E-06
BEK5_Trucks	36	50000	Formaldehyde	3.78E-02	4.32E-06
BEK5_Trucks	36	110543	Hexane	3.83E-02	4.37E-06
BEK5_Trucks	36	67561	Methanol	2.87E-03	3.28E-07
BEK5_Trucks	36	78933	Methyl Ethyl Ketone	4.79E-04	5.47E-08
BEK5_Trucks	36	91203	Naphthalene	1.20E-03	1.37E-07
BEK5_Trucks	36	115071	Propylene	7.33E-02	8.37E-06
BEK5_Trucks	36	100425	Styrene	2.87E-03	3.28E-07
BEK5_Trucks	36	108883	Toluene	1.38E-01	1.57E-05
BEK5_Trucks	36	1330207	Xylenes	1.15E-01	1.31E-05
CBN1_Trucks	37	75070	Acetaldehyde	0.00E+00	0.00E+00
CBN1_Trucks	37	107028	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	78933	Methyl Ethyl Ketone	0.00E+00	0.00E+00
CBN1_Trucks	37	91203	Naphthalene	0.00E+00	0.00E+00
CBN1_Trucks	37	115071	Propylene	0.00E+00	0.00E+00
CBN1_Trucks	37	100425	Styrene	0.00E+00	0.00E+00
CBN1_Trucks	37	108883	Toluene	0.00E+00	0.00E+00
CBN1_Trucks	37	1330207	Xylenes	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	50000	Formaldehyde	0.00E+00	0.00E+00
CBN2_Trucks	38	110543	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	71432	Benzene	2.18E-01	2.49E-05
HY03_Trucks	39	106990	1,3-Butadiene	4.86E-02	5.54E-06
HY03_Trucks	39	100414	Ethylbenzene	9.27E-02	1.06E-05
HY03_Trucks	39	50000	Formaldehyde	1.40E-01	1.59E-05
HY03_Trucks	39	110543	Hexane	1.41E-01	1.61E-05
HY03_Trucks	39	67561	Methanol	1.06E-02	1.21E-06
HY03_Trucks	39	78933	Methyl Ethyl Ketone	1.77E-03	2.02E-07
HY03_Trucks	39	91203	Naphthalene	4.42E-03	5.04E-07
HY03_Trucks	39	115071	Propylene	2.70E-01	3.08E-05
HY03_Trucks	39	100425	Styrene	1.06E-02	1.21E-06
HY03_Trucks	39	108883	Toluene	5.09E-01	5.81E-05
HY03_Trucks	39	1330207	Xylenes	4.24E-01	4.84E-05
HY04_Trucks	40	75070	Acetaldehyde	2.10E-03	2.39E-07
HY04_Trucks	40	107028	Acrolein	9.73E-04	1.11E-07
HY04_Trucks	40	71432	Benzene	1.85E-02	2.11E-06
HY04_Trucks	40	106990	1,3-Butadiene	4.12E-03	4.70E-07
HY04_Trucks	40	100414	Ethylbenzene	7.86E-03	8.97E-07
HY04_Trucks	40	50000	Formaldehyde	1.18E-02	1.35E-06
HY04_Trucks	40	110543	Hexane	1.20E-02	1.37E-06
HY04_Trucks	40	67561	Methanol	8.98E-04	1.03E-07
HY04_Trucks	40	78933	Methyl Ethyl Ketone	1.50E-04	1.71E-08
HY04_Trucks	40	91203	Naphthalene	3.74E-04	4.27E-08
HY04_Trucks	40	115071	Propylene	2.29E-02	2.61E-06
HY04_Trucks	40	100425	Styrene	8.98E-04	1.03E-07
HY04_Trucks	40	108883	Toluene	4.31E-02	4.92E-06
HY04_Trucks	40	1330207	Xylenes	3.59E-02	4.10E-06
HY05_Trucks	41	75070	Acetaldehyde	3.19E-02	3.64E-06
HY05_Trucks	41	107028	Acrolein	1.48E-02	1.69E-06
HY05_Trucks	41	71432	Benzene	2.81E-01	3.21E-05
HY05_Trucks	41	106990	1,3-Butadiene	6.26E-02	7.14E-06
HY05_Trucks	41	100414	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	67561	Methanol	1.37E-02	1.56E-06
HY05_Trucks	41	78933	Methyl Ethyl Ketone	2.28E-03	2.60E-07
HY05_Trucks	41	91203	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)

SRC ID	SRC No.	CAS	Pollutant	(Full Build Ops - Onsite)	
				lb/yr	lb/hr
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	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	100425	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-04	2.07E-08
TRUCKS	6	107028	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	50000	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	100425	Styrene	7.78E-05	8.89E-09
TRUCKS	6	108883	Toluene	3.74E-03	4.27E-07
TRUCKS	6	1330207	Xylenes	3.11E-03	3.55E-07