Attachment 3 - Link to 21EIR-00000-00001 FEIR

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ATTACHMENT 3
EIR (21EIR-00000-00001) ADDENDUM
Arctic Cold Extensive Agricultural Processing General Plan Amendment, Conditional Use Permit, Revised Development Plan, and Tentative Parcel Map
Case Nos. 22GPA-00000-00006, 22CUP-00000-00021, 23RVP-00024, and 23TPM-00002

TO: Board of Supervisors

FROM: Gwen Beyeler, Supervising Planner
Development Review Division, Planning and
Development Staff Contact: Steve Conner

DATE: September 17, 2024

RE: State CEQA Guidelines Section 15164 Addendum to 21EIR-00000-00001 for the Arctic Cold Extensive Agricultural Processing General Plan Amendment Project, Case Nos. 22GPA-00000- 00006, 22CUP-00000-00021, 23RVP-00024, and 23TPM-00024.

CEQA Determination: CEQA Section 15164 (Addendum) applies to the Arctic Cold Extensive Agricultural Processing General Plan Amendment Case Nos. 22GPA-00000-00006, 22CUP-00000-00021, 23RVP- 00024, and 23TPM-00002. CEQA Section 15164 allows an addendum to a previously-certified EIR to be prepared when only some changes or additions are necessary, but none of the conditions described in State CEQA Guidelines Section 15162 calling for preparation of a subsequent EIR have occurred. The Final Environmental Impact Report (21EIR-00000-00001) prepared for the Arctic Cold Agricultural Processor and Freezer Facility Case Nos. 20CUP-00000-00005 and 20DVP-00000-00006 is hereby amended by this 15164 letter for Case Nos. 22GPA-00000-00006, 22CUP-00000-00021, 23RVP-00024 and 23TPM-00024.

Location: The project is located at 1750 East Betteravia Road in the Santa Maria area, Fourth Supervisorial District (APNs 128-097-012 and 128-097-013).

Background: The Arctic Cold Agricultural Processor and Freezer project, Case Nos. 20CUP-00000-00005 and 20DVP-00000-00006, was approved by the County Planning Commission on March 9, 2022. As part of the approval, the Commission certified a Final EIR (21EIR-00000-00001/FEIR). The FEIR prepared for the project identified three environmental impacts from project implementation in the issue areas of Air Quality (project-specific and cumulative NO_x emissions), Greenhouse Gas Emissions (project-specific and cumulative CO_2e/carbon dioxide equivalent), and Utilities and Service Systems (project-specific and cumulative solid waste generation from construction and operation). These impacts could not or might not be fully mitigated and were therefore considered significant and unavoidable (Class I) impacts.

Potentially significant but mitigable impacts (Class II) impacts were identified in the issue areas of Biological Resources, Cultural and Tribal Cultural Resources, Geological Resources, and

Hazards and Hazardous Materials. These project-specific and cumulative Class II impacts were reduced to less than significant levels by incorporating proposed mitigation measures, as described in the FEIR.

The original parcels (APNs 128-097-001 and 128-097-002) consisted of one legal lot when the Development Plan and Conditional Use Permit were approved. The applicant replaced these APNs with APNs 128-097-012 and 128-097-013 in coordination with the County Assessor's Office. Proposed Lots 1 and 2 (APNs 128-097-012 and 128-097-013, respectively) will become legal lots under the proposed Tentative Parcel Map (23TPM-00024).

Proposed Project: The proposed project is a request for a General Plan Amendment, Conditional Use Permit, Revised Development Plan, and Tentative Parcel Map to allow for a new extensive agricultural processing use and to create two legal parcels to allow the applicant to convey one portion of the property to the Arctic Cold Agricultural Processor and Freezer Facility operator. The project descriptions for each entitlement are as follows:

General Plan Amendment (Case No. 22GPA-00000-00006)

The proposed project includes a request by AFP, LLC, for adoption of a General Plan Amendment to amend the Comprehensive Plan Land Use Element Map for the Santa Maria area (Comp-6) to apply the Agricultural Industry Overlay to the 40.65-acre property shown as Assessor's Parcel Number 128-097-
012. The proposed project is located on a 111.75-acre lot, in the AG-II-40 Zone District, identified by Assessor's Parcel Numbers 128-097-012 and 128-097-013, and located at 1750 and 1780 East Betteravia Road in the Santa Maria area, Fourth Supervisorial District.

Conditional Use Permit (Case No. 22CUP-00000-00021)

The proposed project includes a request for a Conditional Use Permit to allow extensive processing (e.g. the refinement or other processing of agricultural products to substantially change them from their raw form, which involves machinery, chemical reactions, and/or hazardous or highly odiferous materials or products.), of agricultural products within the previously permitted 449,248 sf dry storage/warehousing Arctic Cold Agricultural Processor and Freezer Facility. The proposed extensive processing use will occur within the northern 120,098 sf fruit processor portion of the 449,248 sf Arctic Cold Agricultural Processor and Freezer Facility. The existing operations in other areas of the Arctic Cold Agricultural Processor and Freezer Facility will not be modified as part of the proposed project. The proposed extensive processing uses will take place on the subject 40.65-acre lot in the AG-II-40 (Agriculture II) Zone District on APN 128- 097-012.

The proposed project does not include grading or vegetation removal. Water service for the ArcticCold Agricultural Processor and Freezer Facility is provided by a permitted public water

system supplied by two existing potable wells on site. Wastewater treatment service for the Arctic Cold Agricultural Processor and Freezer Facility is provided by an onsite wastewater treatment system and an onsite processing wastewater basin system. Access to the Arctic Cold Agricultural Processor and Freezer Facility is provided by two driveways off East Betteravia Road. The proposed project is located on a 40.65-acre lot, in the AG-II-40 Zone District, identified by Assessor's Parcel Number 128-097-012, and located at 1780 East Betteravia Road in the Santa Maria area, Fourth Supervisorial District.

Development Plan Revision (Case No. 23RVP-00024)

The proposed project includes a request for a Revision to Development Plan (Case No. 20DVP-00000- 00006) to designate Agricultural Industry Overlay upon APN 128-097-012, allow extensive fruit and vegetable processing uses within the 120,098 sf northern portion of the 449,248 sf Arctic Cold Processor and Freezer Facility, and allow construction of a 35-ft.-tall flag pole. The proposed project does not include grading or vegetation removal. Water service for the Arctic Cold Agricultural Processor and Freezer Facility is provided by a permitted public water system supplied by two existing potable wells on site. Wastewater treatment service for the Arctic Cold Agricultural Processor and Freezer Facility is provided by an onsite wastewater treatment system and an onsite processing wastewater basin system. Access to the Arctic Cold Agricultural Processor and Freezer Facility is provided by two driveways off East Betteravia Road. The proposed project is located on a 40.65-acre lot, in the AG-II-40 Zone District, identified by Assessor's Parcel Number 128-097-012, and located at 1780 East Betteravia Road in the Santa Maria area, Fourth Supervisorial District.

Tentative Parcel Map (Case No. 23TPM-00002)

The proposed project includes a request for a Tentative Parcel Map to create two legal parcels to allow for a fee title separation of existing independent agricultural operations on APN 128-097-013, including agricultural row crop production and the Mid Coast Cooling processor, from the Arctic Cold Agricultural Processor and Freezer Facility currently under construction on APN 128-097-012. The Tentative Parcel Map will split the legal lot into the two legal lots. Proposed Lot 1 will be a 40.65-acre parcel and proposed Lot 2 will be a 71.10-acre parcel. Existing development on proposed Lot 1 includes the 449,248 sf Arctic Cold Agricultural Processor and Freezer Facility and accessory buildings. Existing development on proposed Lot 2 includes the 52,000 sf Mid Coast Cooling facility and 5,600 sf Valley Farm Supply building.

The proposed project does not include grading or vegetation removal. Water service for proposed Lot 1 is provided by a permitted public water system supplied by two existing potable wells on site. Water service for proposed Lot 2 is provided by one existing potable well and one existing agricultural well on site. Wastewater treatment service for proposed Lot 1 is provided by an onsite wastewater treatment system and an onsite processing wastewater basin system. Wastewater treatment service for proposed Lot 2 is provided by an existing

septic system. Access to proposed Lot 1 is provided by two driveways off East Betteravia Road. Access to proposed Lot 2 is provided by the existing driveway south of the intersection of Rosemary Lane and East Betteravia Road. The proposed project is located on a 111.75-acre lot, in the AG-II-40 Zone District, identified by Assessor's Parcel Numbers 128-097-012 and 128-097- 013, and located at 1750 and 1780 East Betteravia Road in the Santa Maria area, Fourth Supervisorial District.

Analysis of Changes to Project Impacts:

The proposed General Plan Amendment with accompanying Conditional Use Permit, Revision to 20DVP-00000-00006, and Tentative Parcel Map includes an amendment to the Santa Maria Area (Comp-6) Map of the Comprehensive Plan to designate APN 128-097-012 with the Agricultural Industry Overlay. Pursuant to Land Use Development Code Sections 35.21.030 and 35.42.040.B.2., a Conditional Use Permit and Development Plan must accompany a request for an extensive processing use within the AG- II Zone District.

As discussed in detail below, the General Plan Amendment and proposed addition of an extensive processing use under a new Conditional Use Permit and proposed Revision to the existing Development Plan will not reduce the effectiveness of the adopted mitigation measures in mitigating impacts to less than significant levels. The proposed designation of Agricultural Industry Overlay will be limited to the 40-acre Arctic Cold Processor and Freezer Facility site (APN 128-097-012).

Discussion: The existing mitigation measures will remain effective in reducing impacts to less than significant levels, and no new significant impacts will result from the proposed addition of an extensive agricultural processing use within the AG-II Zone District. A discussion of each Class I, II and III Environmental Impact is included below.

Class I Impacts:

Operational and Cumulative Air Quality. The proposed addition of an extensive agricultural processing use and designation of Agricultural Industry Overlay on the site within the AG-II Zone District will not reduce the effectiveness of the adopted mitigation measures in mitigating operational and cumulative air quality impacts to less than significant levels and no new significant impacts will result from the proposed addition of an extensive agricultural processing use and designation of Agricultural Industry Overlay. The estimated operational emissions of the approved warehouse and processing facility exceeded the County's significance thresholds (County of Santa Barbara Environmental Thresholds and Guidelines) for NO_x. Mitigation measures were implemented to reduce the NO_x emissions to the extent feasible. However, project-related NO_x emissions would remain above applicable NO_x emission thresholds. Therefore, the impact would remain significant and unavoidable. The proposed extensive agricultural processing use will not change construction activities such as grading, paving and structural building activities because no changes to the building footprint or site improvements are proposed. The proposed use would not change long-term (operational) air pollutant

emission impacts because the extensive processing equipment (including boilers for pasteurizers and evaporators for pasteurized products and puree concentrates) was accounted for in the CalEEMod calculation in FEIR Appendix I, Air Quality and GHG Analysis (LSA, 2021). In addition, there will be no change in other emission sources (mobile, area, energy, off-road, or stationary) or change in building size/type or change in the estimated trip generation or change in vehicle fleet mix. Therefore, the proposed extensive agricultural processing use and designation of Agricultural Industry Overlay will not will not require new or revised analysis of air quality impacts. The proposed project will not result in any new significant impacts to operational and cumulative air quality or increase the severity of impacts previously identified.

Long term and Cumulative Greenhouse Gas Emissions. The proposed addition of extensive agricultural processing use and designation of Agricultural Industry Overlay on the site will not reduce the effectiveness of the adopted mitigation measures in mitigating operational and cumulative greenhouse gas emissions impacts to less than significant levels and no new significant impacts will result from the proposed addition of an extensive processing use and designation of Agricultural Industry Overlay. The estimated project Greenhouse Gas (GHG) emissions exceeded the County's Interim Greenhouse Gas Emissions significance thresholds. A Greenhouse Gas Reduction Program (GHGRP) was required under mitigation measure GHG-1 to reduce the project's greenhouse gas emissions. However, the FEIR determined that project GHG emissions would remain above the County's thresholds. Therefore, the impact will remain significant and unavoidable. The proposed extensive agricultural processing use will not change construction activities such as grading, paving and structural building activities because no changes to the building footprint or site improvements are proposed. The proposed use would not change long-term (operational) greenhouse gas emission impacts because the extensive processing equipment (including boilers for pasteurizers and evaporators for pasteurized products and puree concentrates) was accounted for in the CalEEMod calculation. In addition, there will be no change in other emission sources (mobile, area, energy, off-road, or stationary) or change in building size/type or change in the estimated trip generation or change in vehicle fleet mix or change in service population. Furthermore, the applicant has provided a Greenhouse Gas Reduction Program (Attachment 3-1) to address the requirements specified in 20DVP-00000-00006 Revised Condition of Approval #13/Mitigation Measure GHG-1. The GHGRP clarified proposed components of the project's GHG emissions reduction measures. The GHGRP was reviewed by the Santa Barbara County Air Pollution Control District (APCD) and the applicant revised the GHGRP in response to APCD review. Therefore, the proposed extensive agricultural processing use and designation of Agricultural Industry Overlay will not require new or revised analysis of greenhouse gas emissions impacts. The proposed project will not result in any new significant impacts to operational and cumulative greenhouse gas emissions or increase the severity of impacts previously identified.

Utilities and Service Systems. The proposed addition of extensive agricultural processing use and designation of Agricultural Industry Overlay on the site will not reduce the effectiveness of the adopted mitigation measures in mitigating the project's generation of

solid waste to less than significant levels and no new significant impacts will result from the proposed addition of an extensive processing use and designation of Agricultural Industry Overlay. Solid waste generation for both construction and operation of the proposed project was estimated by multiplying the square footage of the proposed processing/warehouse building by the solid waste generation rates established in the County of Santa Barbara Environmental Thresholds and Guidelines Manual. During construction and operation, the project would generate solid waste and increase demand on the Santa Maria Landfill. A Source Reduction and Solid Waste Management Plan for construction and operation was required as a mitigation measure to reduce the project's impact upon the Santa Maria Landfill. However, waste generated by the project would still exceed the County's construction and operational solid waste thresholds. Therefore, the impact would remain significant and unavoidable. The proposed extensive processing use will not increase the proposed square footage of the building. Therefore, the proposed extensive agricultural processing use and designation of Agricultural Industry Overlay will not require new or revised analysis of solid waste generation impacts to utilities and service systems. The proposed project will not result in any new significant impacts of solid waste generation to utilities and service systems or increase the severity of impacts previously identified.

Other utilities and service systems analyzed in the FEIR included water, wastewater, electric power, and natural gas. As discussed below, no new significant impacts to these utilities and service systems will result from the proposed addition of an extensive processing use and designation of Agricultural Industry Overlay.

The Arctic Cold Groundwater Evaluation (Katherman Exploration Co, LLC, 2020) in FEIR Appendix I contained analysis of the estimated project water usage. The water usage estimate accounted for evaporation associated with processing operations (including the use of evaporators/concentrators that are proposed as part of the equipment required for the extensive agricultural processing use). Therefore, no new significant impacts to water supply will result from the proposed extensive agricultural processing use.

The project will not require a connection to off-site wastewater treatment facilities. Process wastewater will be treated and disposed of in the process wastewater treatment system. The process wastewater treatment system was designed to treat wastewater associated with the proposed extensive processing use. Therefore, no new significant impacts to the wastewater system will result from the proposed addition of an extensive agricultural processing use.

The project will not require any modifications to the existing electrical transmission and distribution systems. The FEIR analysis of the project impact on energy was supported by data and information from Appendix C Air Quality and Greenhouse Gas Analysis (LSA, 2021). The analysis accounted for equipment that would be required by the proposed extensive agricultural processing use, as indicated in the discussion of the Class I impacts on Operational and

Cumulative Air Quality. Estimated electricity and natural gas consumption was calculated for construction and operational demands based on CalEEMod outputs. No new significant impacts to energy systems will result from the proposed extensive agricultural processing use.

Class II Impacts:
Biological Resources, Cultural and Tribal Cultural Resources, and Geological Resources. The proposed addition of an extensive agricultural processing use and designation of Agricultural Industry Overlay on the site will not reduce the effectiveness of the adopted mitigation measures in mitigating the project's impacts to biological resources, cultural and tribal resources, or geological resources to less than significant levels and no new significant impacts will result from the proposed addition of an extensive agricultural processing use and designation of Agricultural Industry Overlay. The impacts on these resources were associated with construction of the processing/warehouse facility structure and site improvements. The proposed extensive processing use will not change the impacts of construction upon these resources because no changes are proposed to the facility footprint or site improvements. Therefore, the proposed addition of an extensive agricultural processing use and designation of Agricultural Industry Overlay will not require new or revised analysis of impacts upon biological, cultural and tribal cultural, or geological resources. The proposed project will not result in any new significant impacts upon biological, cultural and tribal cultural, or geological resources or increase the severity of impacts previously identified.

Hazards and Hazardous Materials. The proposed addition of an extensive agricultural processing use and designation of Agricultural Industry Overlay on the site will not reduce the effectiveness of the adopted mitigation measures in mitigating the project's hazards and hazardous materials impacts to less than significant levels and no new significant impacts will result from the proposed addition of an extensive processing use and designation of Agricultural Industry Overlay. The Class II impacts regarding hazardous materials impacts were associated with the project's routine transport, use, or disposal of hazardous materials and the reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment, as described in FEIR Appendix G, Refrigeration Hazard Assessment Report for Permit Purposes (APPCO). More specifically, the project included significant amounts (above the one-ton threshold identified in the Santa Barbara County Environmental Thresholds and Guidelines Manual) of anhydrous ammonia associated with the industrial refrigeration system. The applicant was required to prepare a Risk Management Plan and Hazardous Materials Inventory as a mitigation measure to reduce the impact of the project. County Environmental Health Services staff reviewed and approved the plan and inventory under post-project approvals. The equipment associated with the proposed extensive agricultural processing includes pasteurizers and evaporators/concentrators. Pasteurizers and evaporators/concentrators will utilize the natural gas boilers that were accounted for in the impact analysis. No significant hazards or hazardous materials impacts were identified for the proposed use of natural gas boilers.

Therefore, the proposed addition of an extensive agricultural processing use and designation of Agricultural Industry Overlay will not require new or revised analysis of impacts associated with hazards or hazardous materials. The proposed project will not result in any new significant hazards or hazardous materials impacts or increase the severity of impacts previously identified.

Analysis of Class III Impacts:
Although Class III Impacts were found to be less than significant, discussions on a selected subset of topics may be warranted due to the proposed increase of intensity of use, as follows:

Land use and planning. The proposed addition of an extensive agricultural processing use and designation of Agricultural Industry Overlay on the site within the AG-II Zone District will not cause a significant environmental impact due to a conflict with any land use plan, policy, or regulation adopted for the purpose of avoiding or mitigating an environmental effect. The proposed addition of an extensive agricultural processing use and designation of an Agricultural Industry Overlay on the site is compatible with the agricultural character of the area and the existing nearby operations which are supportive of agriculture. The site is zoned AG-II and within a Rural Area as designated on the Comprehensive Plan maps. Extensive agricultural processing is a permitted use within the Rural Area; and designation of the site with an Agricultural Industry Overlay will allow the use to be permitted, pursuant to the County Land Use Development Code Sections 35.21.020 and 35.42.040. The proposed addition of an extensive agricultural processing use to an area which is known for productive agricultural operations aligns with goals and policies laid out in the Santa Barbara County Comprehensive Plan Agricultural Element, including Goal 1, Policy 1.A., Goal V, and Policy V.B. The proposed project will support the continued use and viability of agricultural crops and operations on the project site and surrounding area. The new extensive processing services will be a supported intensification of a land use that is compatible with agricultural operations in the surrounding area and region. The new extensive processing use will also provide supportive agricultural services within a reasonable distance and access to the existing farm users in the area. In addition, the proposed use will be consistent with Land Use Element Policy 4 regarding the availability of adequate services. The approved freezer and processing facility is under construction and will be providing services that are sufficient to serve the proposed addition of an extensive agricultural processing use. Therefore, the proposed General Plan Amendment, Conditional Use Permit, DVP Revision and Tentative Parcel Map will not result in any significant impacts to land use and planning.

Transportation and Circulation. The proposed addition of an extensive agricultural processing use and designation of Agricultural Industry Overlay on the site will not increase the number of employees nor will it alter the associated traffic/circulation patterns, vehicle miles traveled, or levels of service that were contemplated in the FEIR analysis, based on the Traffic and Circulation Study (ATE, 2020) and VMT Analysis (Fehr and Peers, 2021). The Traffic and Circulation Study

utilized standard methods of calculating the existing and proposed project traffic conditions. These standard methods accounted for the number of employees per shift (including a breakdown of employees associated with processing and warehouse uses) and the number of trucks making inbound and outbound deliveries. The Traffic and Circulation Study made no distinction for the type of processing employees (i.e. extensive processing use employees versus general processing use employees) in the analysis. The proposed addition of an extensive agricultural processing use will not increase the previously analyzed number of employees or the number of truck deliveries. Therefore, the Traffic and Circulation Study remains valid for the proposed addition of an extensive agricultural processing use and designation of Agricultural Industry Overlay. The VMT Analysis utilized the proposed number of employees to estimate the project- generated Vehicle Miles Traveled. The VMT Analysis made no distinction for the type of employees (i.e. extensive processing use versus warehouse employees). As discussed above, the proposed extensive processing use will not increase the previously analyzed number of employees. Therefore, the VMT Analysis also remains valid for the proposed addition of an extensive processing use and designation of Agricultural Industry Overlay. The proposed project will not result in any new significant impacts to traffic and circulation or increase the severity of impacts previously identified.

Analysis of Effects Not Found to be Significant:

Forest Resources. The project site does not contain any forest land, timberland, or timberland zoned Timberland Production. Therefore, the proposed General Plan Amendment, Conditional Use Permit, DVP Revision and Tentative Parcel Map will not result in any new impacts to forest resources.

Historic Resources. No structures or formal landscape features identified as historic resources exist on the site. Therefore, the proposed General Plan Amendment, Conditional Use Permit, DVP Revision and Tentative Parcel Map will not result in any new impacts to historic resources.

Mineral Resources. There are no locally identified mineral resources on the project site. Therefore, the proposed General Plan Amendment, Conditional Use Permit, DVP Revision and Tentative Parcel Map will not result in any new impacts to mineral resources.

Population and Housing. The proposed addition of an extensive processing use and designation of Agricultural Industry Overlay on the site will not increase the number of employees. Therefore, the proposed General Plan Amendment, Conditional Use Permit, DVP Revision and Tentative Parcel Map will not result in any new impacts to population and housing.

Public Services. The proposed addition of an extensive agricultural processing use and designation of Agricultural Industry Overlay on the site will not increase the number of employees or add any new structural development to the site footprint. Therefore, the

proposed General Plan Amendment, Conditional Use Permit, DVP Revision and Tentative Parcel Map will not result in any new impacts to public services.

Recreation. The proposed addition of an extensive processing use and designation of Agricultural Industry Overlay on the site will not increase the number of employees or directly generate population growth. Therefore, the proposed General Plan Amendment, Conditional Use Permit, DVP Revision and Tentative Parcel Map will not result in any new impacts to recreation.

Wildfire. The project site and surrounding parcels do not contain wildlands, forests, or dense vegetation that would expose the project to wildfire risk. Therefore, the proposed General Plan Amendment, Conditional Use Permit, DVP Revision and Tentative Parcel Map will not result in any new impacts regarding the risks of wildfire.

Changes in Project or Circumstances and State CEQA Guidelines Section 15162:

CEQA Section 15162 allows the use of a previously adopted EIR or ND unless substantial evidence would require major revisions of the previous EIR or ND due to substantial changes in the proposed project because of: 1) new significant environmental effects or a substantial increase in the severity of previously identified significant effects; 2) substantial changes to the circumstances under which the project is undertaken due to the involvement of new significant environmental effects or a substantial increase in the severity of previously identified significant effects; or 3) new information of substantial importance. Section 15164 allows preparation of an addendum to a previously certified EIR if some changes or additions are necessary but none of the conditions described in Section 15162 calling for preparation of a subsequent EIR have occurred. None of the conditions requiring preparation of a new environmental document as outlined in Section 15162 have occurred, as no new significant environmental effects would occur, previously identified environmental effects will not increase in severity, and no new information of substantial importance will require revisions to the previously certified final FEIR.

The FEIR analyzed project impacts for construction and operations of the Arctic Cold Agricultural Processor and Freezer facility, including:

- Construction
    - Grading/DrainageFacility
    - Parking
    - Landscaping
    - Petroleum Well Abandonment
    - Drainage Basin
    - Process Wastewater Basin
- Operations

- Circulation
- Employees
- Equipment
- Water Use
- Wastewater
- Stormwater

As compared to the approved DVP and CUP which allowed the construction of the warehouse and processing facility, the current proposal consists only of operational and interior changes (within the approved structure) and a new flag pole and lot split. The FEIR identified significant but mitigable (Class II) resource impacts associated with construction and operation, including biological resources, cultural and tribal cultural resources, and geology and soils resources. The FEIR identified less than significant (Class III) impacts, including aesthetics, agricultural resources, energy, hydrology and water quality, land use and planning, noise and transportation and circulation. The FEIR also identified effects not found to be significant, including forest resources, historic resources, mineral resources, population and housing, public services, recreation and wildlife. The proposed General Plan Amendment, Conditional Use Permit, Development Plan Revision, and Tentative Parcel Map will not result in any changes with respect to the FEIR analysis of project impacts to aesthetics, biological resources, cultural resources and tribal cultural resources, forest resources, geology and soils, historic resources, hydrology and water quality, mineral resources, noise, public services, recreation, or wildfire.

No other changes to the existing use of the site will occur. Thus, the proposed changes are within the scope of the previously-certified EIR, and they will not create any new significant effects or a substantial increase in the severity of previously identified significant effects.

Findings:

The Board of Supervisors finds that the previous environmental document as herein amended may be used to fulfill the environmental review requirements of the current project. Because the current project meets the conditions for the application of State CEQA Guidelines Section 15164, preparation of a subsequent EIR is not required.

Discretionary processing of the Arctic Cold Extensive Agricultural Processing General Plan Amendment, Case Nos. 22GPA-00000-00006, 22CUP-00000-00021, 23RVP-00024 and 23TPM-00002, may now proceed with the understanding that any substantial changes in the proposal may be subject to further environmental review.

ATTACHMENTS

3-1. LSA Memorandum, Greenhouse Gas Reduction Program for the proposed Arctic Cold Agricultural Processor and Freezer Facility project located in Santa Barbara

County, California

CARLSBAD
CLOVIS
IRVINE
LOS ANGELES
PALM SPRINGS
POINT RICHMOND
RIVERSIDE
ROSEVILLE
SAN LUIS OBISPO

MEMORANDUM

DATE: June 9, 2023

TO: Clayton Dragoo, Senior Project Engineer, Fisher Construction Group, Inc.

FROM: Amy Fischer, President
Cara Cunningham, Associate

SUBJECT: Greenhouse Gas Reduction Program for the proposed Arctic Cold Agricultural Processor and Freezer Facility project located in Santa Barbara County, California

The County of Santa Barbara (County) certified an Environmental Impact Report (EIR) that evaluates the environmental impacts of the proposed Arctic Cold Agricultural Processor and Freezer Facility Project (project) pursuant to the California Environmental Quality Act (CEQA)[1]. The EIR incorporated Revised Condition of Approval #13 Mitigation Measure GHG-1 to mitigate greenhouse gas emissions adopted on March 9th, 2022. This mitigation measure specifies that a Greenhouse Gas Reduction Program (GHGRP) shall be developed to reduce GHG emissions to below the County's significance threshold. This would require a reduction of the project GHG emissions to 3.8 metric tons (MT) of carbon dioxide equivalent (CO_2e), per service person, per year, or less, during operation of the project. However, the EIR determined that achieving the GHG reduction target would not be feasible; therefore, impacts would be significant and unavoidable. Despite this finding, the project is required to implement GHG-1 to the maximum extent practical. This technical memorandum has been prepared to evaluate additional project features that have been incorporated into the project design since the adoption of the EIR and evaluate feasible GHG reduction measures in order to provide a GHGRP for the project in fulfillment of Mitigation Measure GHG-1.

PROJECT DESCRIPTION

The Arctic Cold Agricultural Processor and Freezer Facility Project (project) is located at 1750 E. Betteravia Road approximately one mile east of the City of Santa Maria in northern Santa Barbara County, California. The property is located on the east side of Rosemary Road, approximately 1.1 miles east of U.S. Highway 101 (U.S. 101) and is comprised of two parcels (Assessor Parcel Numbers [APN] 128-097-001 and 128-097-002), totaling approximately 109 acres. The property is bound by East Betteravia Road on the north, Rosemary Road on the west, Prell Road on the south, and an unnamed dirt road to the east. Active agricultural operations surround the property in all directions.

[1] County of Santa Barbara, 2021. *Arctic Cold Agricultural Processor and Freezer Project Environmental Impact Report*. SCH Number: 2020100453

The proposed processor and freezer facilities would be located on approximately 40 acres on the northeast portion of the subject property (project site).

The project would develop a 449,248-square-foot (sf) gross floor area agricultural processor and freezer facility on a 40-acre project site located in the northeastern portion of the project site. The facility would consist of approximately 127,546 square feet of processing, cooler, dry storage/warehousing, administrative, and maintenance space for the processing operations, and approximately 321,702 square feet of freezer, loading dock, blast freezer, and administrative and mechanical space for the freezer operations. The processor portion of the structure will be approximately 41.08 feet above existing grade/45.15 feet above finished grade, and the freezer portion will be approximately 53.33 feet above existing grade/57.4 feet above finished grade. The tallest element of the proposed facility structure will be the cooling tower associated with the refrigeration system.

The freezer facility would specialize as a cold distribution warehouse. Product would be received and entered into a computerized warehouse management system (WMS), which would determine whether the product would be placed in cold room storage or blast freezers. Product would be stored in cold rooms until it is shipped out to regions throughout the United States.

During peak harvest season (May through September), operation of the project is expected to generate approximately 1,642 average daily trips, with 1,246 employee trips and 396 truck trips.[1] During the non-harvest season, the project is expected to generate approximately 454 average daily trips, with 306 employee vehicle trips and 148 truck trips. The potential increased electricity demand associated with operation of the project is estimated to be approximately 35,535,000 kilowatt-hours (kWh) per year. Most of the equipment used for operation of the project would be electric driven.

The project would utilize four propane forklifts, five boilers, and diesel fire pumps.

The project would not add carbon dioxide to any of the operations within the facility and would not use generators.

REGULATORY SETTING

Executive Order S-3-05 was signed by the Governor on June 1, 2005, which proclaimed that California is vulnerable to the impacts of climate change. To combat those concerns, Executive Order S-3-05 established California GHG emissions reduction targets, which established the following goals: GHG emissions should be reduced to 2000 levels by 2010; GHG emissions should be reduced to 1990 levels by 2020; and GHG emissions should be reduced to 80 percent below 1990 levels by 2050. In 2006, California's major initiative for reducing GHG emissions is AB 32 was passed by the State legislature, which aims at reducing GHG emissions to 1990 levels by 2020.

On September 8, 2016, the governor signed Senate Bill (SB) 32 into law, which extends AB 32 and requires the State to further reduce GHGs to 40 percent below 1990 levels by 2030. SB 32 affirms

[1] Associated Transportation Engineers, 2020. *Traffic and Circulation Study for the Arctic Cold Storage & Packing Project*. July 21.

the importance of addressing climate change by codifying into statute the GHG emissions reductions target of at least 40 percent below 1990 levels by 2030 contained in Executive Order B-30-15. SB 32 builds on AB 32 and keeps us on the path toward achieving the State's 2050 objective of reducing emissions to 80 percent below 1990 levels,

In response, on December 14, 2017, the California Air Resources Board (CARB) adopted the 2017 Scoping Plan, which provides a framework for achieving the 2030 target. The 2017 Scoping Plan does not give project-level thresholds for land use development. Instead, it recommends that local governments adopt policies and locally appropriate quantitative thresholds consistent with a statewide per capita goal of six metric tons (MT) of carbon dioxide equivalents (CO_2e) by 2030.[1] As stated in the 2017 Scoping Plan, these goals may be appropriate for plan-level analyses (city, county, subregional, or regional level) but not for individual projects because they include all emissions sectors in the State.

Most individual projects do not generate enough GHG emissions to directly influence climate change. However, physical changes caused by a project can contribute incrementally to cumulative effects that are significant, even if individual changes resulting from a project are limited. Evaluating climate change typically involves an analysis of whether a project's contribution towards an impact would be cumulatively considerable. "Cumulatively considerable" means that the incremental effects of an individual project are significant when viewed in connection with the effects of past projects, other current projects, and probable future projects (State CEQA Guidelines, Section 15064[h][1]).

The County adopted the Energy and Climate Action Plan (ECAP) in May 2015 to demonstrate the County's commitment to reduce GHG emissions[2]. The ECAP is intended to streamline environmental review of projects within the unincorporated County consistent with the State CEQA Guidelines based on statewide emission reduction targets to reduce GHG emissions 15 percent below 2007 emission levels by 2020, consistent with AB 32 and Executive Order S-3-05. Since, the County's ECAP has a 2020 horizon and because the project would be operational in 2022, the County's ECAP would not be applicable. The County is currently preparing a 2030 Climate Action Plan consistent with updated Statewide emission reduction targets under SB 32.

On January 26, 2021, the County adopted new Interim GHG Emissions Thresholds of Significance (referred to herein as "Interim GHG Thresholds"), which are recommended for use until completion of the County's 2030 Climate Action Plan. The Interim GHG Thresholds recommend that land use projects be first assessed against a screening threshold of 300 MT CO_2e. For projects that exceed the screening threshold, a service population threshold of 3.8 MT CO_2e is recommend. As discussed in more detail below, the project would exceed the County's screening threshold of 300 MT CO_2e Therefore, this analysis uses the County's recommended service population threshold of 3.8 MT CO_2e to assess the potential significance of project GHG emissions.

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1 California Air Resources Board (CARB), 2017. California's 2017 Climate Change Scoping Plan. https://ww2.arb.ca.gov/our-work/programs/ab-32-climate -change-scoping-plan/2017-scoping-plan-documents. Accessed March 2022.

2 County of Santa Barbara, 2015. Energy and Climate Action Plan. May 2015.

PROJECT-GENERATED GREENHOUSE GAS EMISSIONS

Table A summarizes long-term GHG emissions generated by the project from mobile sources, area sources, energy use, solid waste, water use, off-road equipment, and stationary equipment and combines construction and operational GHG emissions. During the 9-month non-harvest season (August to May, the project would require approximately 153 employees. During the 3-month harvest season (May to August), the project would require approximately 623 employees. Based on a time-weighted average, this is equivalent to 271 employees. Therefore, the project's service population used for this analysis is 271.

As shown in Table A, annual emissions from the project would be approximately 29,704 MT CO_2e, which would exceed the County's screening threshold of 300 MT CO_2e. On a per-service population basis, the project's annual emissions would be approximately 109.6 MT CO_2e per service population (29,704 MT CO_2e / 271 service population), which would exceed the County's significance threshold of 3.8 MT CO_2e per service population per year.

Table A: Unmitigated Project Annual Greenhouse Gas Emissions

Emission Sources	Annual Emissions (MT CO_2e)
Construction	30[1]
Mobile	11,064
Area	<1
Energy	5,234
Solid Waste	196
Water	119
Off-road	297
Stationary Equipment	12,764
Total Project Emissions	**29,704**
Service Population	271
Service Population Emissions Rate	**109.6 MT CO_2e/SP**
Significance Threshold	3.8 MT CO_2e/SP
Threshold Exceeded?	**Yes**

Sources: Unmitigated CalEEMod Output Sheets (Attachment A), Mobile Source Emissions Estimates (Attachment B), and Boiler Emissions Calculations (Attachment C)

[1] Construction emissions were estimated to be 908 MT CO_2e. Results were amortized over a 30-year period

MT CO_2e = metric tons carbon dioxide equivalent

ON-SITE GREENHOUSE GAS REDUCTION MEASURES

In order to achieve the threshold of 3.8 MT CO_2e per service population, the project would need to reduce emissions by approximately 28,675 MT CO_2e per year. The EIR for the project incorporated Mitigation Measure GHG-1, requiring the development of a GHGRP. Additionally, Mitigation Measure GHG-1 includes specific actions that the GHGRP must include. The project applicant is required to implement these measures. These are as follows:

- Supply 100 percent of electricity from renewable energy resources. Options include opting into PG&E's Solar Choice (opting to supply 100 percent of annual energy usage) Program or PG&E's Regional Renewable Choice (opting to supply 100 percent of annual energy usage) Program.

- Implement a transportation demand program. Program measures may include free transit passes for employees, electric rideshare vehicles for employees, and construction of additional transit infrastructure at the project site.

- Implement a zero-waste program or other feasible waste-reduction measures such as composting waste food scraps from employee activities and food waste processing.

Additional measures not identified in Mitigation Measure GHG-1 could include the following:

- Install a photovoltaic system on-site;

- Install water-efficient fixtures (toilets, faucets, showers), water efficient landscape irrigation systems (drip irrigation with control panel and soil moisture sensors), and water efficient landscaping.

- Require the use of electric forklifts onsite during operations.

- Provide the circuit, capacity, and conduit for 10 Level 2 AC chargers for Class 8 electric heavy-duty trucks.

Mitigation Measure AQ-1 requires that the project incorporate sustainable transportation technologies and practices appropriate for the proposed use. As the project includes a considerable number of heavy-duty truck trips over long distances, Mitigation Measure AQ-1 requires multiple measures to reduce emissions associated with heavy-duty trucks and associated transport refrigeration units (TRUs). These include installing electrical hookup equipment for TRUs at all loading docks, requiring the use of newer (model year 2014 or newer) heavy duty trucks to accelerate transition to more efficient vehicles, and practices limiting truck idling and TRU run-time. As discussed in the EIR, the project could also provide infrastructure to support zero-emission vehicles and equipment. However incoming produce would be transported by trucks owned by local growers and growers from other California regions and Baja. Therefore, the project would have limited control of the composition of truck fleets and it would not be feasible to require other parties to upgrade truck fleets to incorporate zero or near-zero emissions technologies as mitigation for the project. However, the project applicant is required to implement this mitigation measure to infrastructure to support electric trucks will be available as the technology is more widely adopted. Due to the project's limited control over other parties' truck fleets, the project could not feasibly reduce all mobile source emissions from the project.

Consistent with the requirements of Mitigation Measure GHG-1, a Transportation Demand Management (TDM) Plan[1] and Source Reduction and Solid Waste Management Plan[2] were prepared

[1] Associated Transportation Engineers, 2022. *Transportation Demand Management Plan for the Artic Cold Agricultural Processor and Freezer Project – County if Santa Barbara*. April 26.

[2] Urban Planning Concepts, 2022. *Arctic Cold Source Reduction and Solid Waste Management Plan*. June.

for the proposed project and are included as Attachments D and E, respectively. Based on the TDM Plan, the Project Applicant will implement the following measures:

- **Transportation Coordinator.** The Project applicant shall designate a qualified Transportation Coordinator. The Transportation Coordinator shall manage transportation programs for the project and serve as the contact person for transportation related issues. The coordinator shall be available during normal working hours. The Transportation Coordinator's name and telephone number shall be submitted to the County Planning and Development Department (P&D) and Public Works Department prior to Final Building Inspection Clearance and within one month of a change of Transportation Coordinator.

- **Employee Orientation.** The Project applicant, in coordination with the Transportation Coordinator, shall develop a fact sheet that serves as an orientation for new employees by informing them of the traffic mitigation requirements imposed on the site, and the location and availability of carpool and bike parking, transit service, showers and lockers, and other program components. A copy of the fact sheet shall be submitted to P&D prior to occupancy and annually as it is updated.

- **Information in the Workplace.** The applicant will post TDM marketing materials (i.e., park and ride lot locations, County Bike Map, Traffic Solutions carpool/vanpool/emergency ride home brochures, materials detailing the monetary and environmental benefits of alternative transportation, etc.) in the common employee areas on-site.

- **TDM Components.** The TDM program may include, but not be limited to employee input and information, carpooling, vanpooling, parking management, bicycle facilities transit services, lunch time facilities and services, work schedule flexibility, and other incentives for employees.

- **Vanpools.** The applicant will sponsor a company vanpool (such as CalVans or Enterprise Commute) to transport employees from various areas in Santa Barbara and/or San Luis Obispo Counties during regular and peak harvest periods (reference information on the vanpool programs is attached). Utilization of two to three 15-passenger vans would reduce traffic generation at the Project site by 60 to 90 ADT and would reduce the peak parking demands by 30 to 45 spaces. Utilization of the vanpools would also reduce the VMT generated by the Project.

- **Carpools.** The applicant will promote ridesharing by assisting employees with enrollment in the alternative transportation commute programs offered by the Santa Barbara County Association of Government's (SBCAG's) Traffic Solutions division. Traffic Solutions offers ride-matching services through its SmartRide Program which can match employees by residence location and shift schedules. Carpooling would also be promoted by providing up to 15 dedicated carpool spaces at convenient locations adjacent to the building entrances for employees that carpool. The average carpool rate for the Santa Maria area is 20% (see attached mode split data from SBCAG), which would equate to a reduction of 234 ADT during peak seasons; and would reduce the peak parking demands by approximately 60 spaces. Promotion of the carpooling program would also reduce the VMT generated by the Project.

- **Emergency Ride Home.** Providing an emergency ride home program is an effective tool in promoting alternative mode use by commuters. The applicant will assist employees with enrolling in the Emergency Ride Home (ERH) program offered by Traffic Solutions. The ERH program allows employees who have used alternative transportation to call a taxi, Uber/Lyft, or rent a car to travel back home in the event of an emergency. Employees submit a receipt to Traffic Solutions and get repaid for the expense. The ERH plan is available 4 times per year, not to exceed $220 per year.
- **Bicycling.** Betteravia Road is classified as a Class 2 bike-lane facility on the Santa Barbara County Bike Map (see attachments). The Class 2 bike-lanes extend along Betteravia Road from Broadway on the west to east of Rosemary Road, and thus provide a good bicycle connection between the City of Santa Maria and the Project site. In order to promote bicycle use, the applicant will provide secure covered bicycle parking at convenient locations on-site for local employees that wish to commute via bicycles.

Based on the project's Solid Waste Management Plan, the proposed project could reduce the total value of generated waste by approximately 50 percent.

The reduction measures outlined in Mitigation Measure GHG-1, electric truck infrastructure outlined in Mitigation Measure AQ-1, TDM measures, and solid waste were modeled in the California Emissions Estimator Model version 2022.1 (CalEEMod). In addition, mobile source emissions reductions were calculated consistent with the California Air Pollution Control Officers Association (CAPCOA) Handbook for Analyzing GHG Emission Reductions, Assessing Climate Vulnerabilities, and Advancing Health and Equity.[1] Based on the measures identified in the TDM, the following CAPCOA measures were included: T-7 Implement Commute Trip Reduction Marketing; T-8 Provide Ridesharing Program; T-11 Provide Employer-Sponsored Vanpool; T-14 Provide Electric Vehicle Charging Infrastructure; and T-30 Use Cleaner-Fuel Vehicles.

Measure T-7 has a GHG mitigation potential of up to 4 percent and Measure T-8 has a GHG mitigation potential of up to 8 percent. Measures T-11, T-14, and T-30 are considered qualitative/supporting measures. Consistent with the CAPCOA handbook, the overall reduction in mobile source GHG emissions was assumed to be approximately 12 percent.

Table B, below, summarizes the results.

[1] California Air Pollution Control Officers Association (CAPCOA), 2021. *Handbook for Analyzing GHG Emission Reductions, Assessing Climate Vulnerabilities, and Advancing Health and Equity*. December. Available at: https://www.caleemod.com/documents/handbook/full_handbook.pdf

Table B: On-Site Mitigated Greenhouse Gas Emissions

Emission Sources	Annual Emissions ($MT CO_2e$)
Construction	25[1]
Mobile	9,736
Area	7
Energy	125
Solid Waste	66
Water	91
Off-road	0
Stationary Equipment	12,770
Total Project Emissions	**22,820**
Service Population	271
Service Population Emissions Rate	**84.2 MT CO_2e/SP**
Significance Threshold	3.8 MT CO_2e/SP
Threshold Exceeded?	**Yes**

Sources: Mitigated CalEEMod Output Sheets (Attachment F), Mobile Source Emissions Estimates (Attachment B) and applying CAPCOA reductions, and Boiler Emissions Calculations (Attachment C)

[1] Construction emissions were estimated to be 736 MT CO_2e. Results were amortized over a 30-year period

MT CO_2e = metric tons carbon dioxide equivalent

As shown in Table B, implementation of the reduction measures would reduce project emissions by 6,884 MT CO_2e per year compared to the unmitigated GHG emissions. However, the project would still result in 22,820 MT CO_2e per year or 84.2 MT CO_2e per service population, which would exceed the threshold of 3.8 MT CO_2e per service population per year. No other on-site measures are feasible for the project opening year.

OFF-SITE GREENHOUSE GAS REDUCTION MEASURES

In order to achieve the 3.8 MT CO_2e per service population rate, the project would need to reduce emissions to 1,030 MT CO_2e per year, an overall reduction of 28,674 MT CO_2e. As discussed in Mitigation Measure GHG-1, after implementation of feasible on-site GHG reduction measures, the project applicant is required to implement one of, or a combination of, the following off-site measures to achieve up to 50 percent of the total necessary GHG emission reductions:

- Directly undertake or fund activities that reduce or sequester GHG emissions ("Direct Reduction Activities") and retire the associated "GHG Mitigation Reduction Credits." A "GHG Mitigation Reduction Credit" must achieve GHG emission reductions that are real, permanent, quantifiable, verifiable, enforceable, and in addition to any GHG emission reduction required by law or regulation or any other GHG emission reduction that otherwise would occur in accordance with the criteria set forth in the CARB's most recent *Process for the Review and Approval of*

Compliance Offset Protocols in Support of the Cap-and-Trade Regulation.[1] An "Approved Registry" is an accredited carbon registry that follows approved CARB Compliance Offset Protocols. As of April 2021, approved registries include American Carbon Registry, Climate Action Reserve, and Verra.[2] Credits from other sources shall not be allowed unless they are shown to be validated by protocols and methods equivalent to or more stringent than the CARB standards. If the project applicant chooses to meet some of the GHG reduction requirements through Direct Reduction Activities, the activities shall be implemented as feasible in order of County preference: (1) within the County of Santa Barbara; (2) within the SBCAPCD jurisdictional area; (3) within the State of California; then (4) elsewhere within the United States. Should the project or program providing GHG Mitigation Reduction Credits to the project applicant lose its accreditation, the project applicant shall comply with the rules and procedures of retiring GHG Mitigation Reduction Credits specific to the registry involved and shall undertake additional direct investments to recoup the loss.

- Obtain and retire "Carbon Offsets." "Carbon Offset" shall mean an instrument issued by an approved registry and shall represent the past reduction or sequestration of 1 MT of CO_2e achieved by a direct reduction activity or any other GHG emission reduction project or activity that is not otherwise required (CEQA Guidelines Section 15126.4[c][3]). A "Carbon Offset" must achieve GHG emission reductions that are real, permanent, quantifiable, verifiable, enforceable, and in addition to any GHG emission reduction required by law or regulation or any other GHG emission reduction that otherwise would occur in accordance with the criteria set forth in the CARB's most recent *Process for the Review and Approval of Compliance Offset Protocols in Support of the Cap-and-Trade Regulation*.[3] If the project applicant chooses to meet some of the GHG reduction requirements by purchasing offsets on an annual and permanent basis, the offsets shall be purchased according to the County of Santa Barbara's preference, which is: (1) within the County of Santa Barbara; (2) within the SBCAPCD jurisdictional area; (3) within the State of California; then (4) elsewhere in the United States. Should a project or program providing offsets to the project applicant lose its accreditation, the project applicant shall comply with the rules and procedures of retiring offsets specific to the registry involved and shall purchase an equivalent number of credits to recoup the loss.

- No more than 50 percent of the project's total requisite emission reduction over the project's lifetime may be achieved through direct reduction activities and carbon offsets.

Conclusion

As shown in Table B above, with implementation of the on-site GHG reduction measures, the mitigated project would still result in 22,820 MT CO_2e per year or 84.2 MT CO_2e per service population, which would exceed the threshold of 3.8 MT CO_2e per service population per year. As

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1 CARB, 2013. *Process for the Review and Approval of Compliance Offset Protocols in Support of the Cap-and-Trade Regulation*. May 2013. Available at: https://ww2.arb.ca.gov/sites/default/files/classic//cc/capandtrade/compliance-offset-protocol-process.pdf

2 CARB, 2018. "Offset Project Registries." https://ww2.arb.ca.gov/ourwork/programs/compliance-offset-program/offset-project-registries

3 CARB, 2013. op. cit.

discussed in Mitigation Measure GHG-1, after implementation of feasible on-site GHG reduction measures, the project applicant may also implement one of, or a combination of, the off-site measures to achieve up to 50 percent of the total necessary GHG emissions (28,674 MT CO_2e), which would be 14,337 MT CO_2e per year.

As determined in the EIR, as a result of the magnitude of the project's exceedance of the County's adopted GHG emissions threshold even with on-site mitigation (84 MT.2 CO_2e per service population as compared to the County's significance threshold of 3.8 MT CO_2e per service population) and the cap placed on the use of reduction credits and/or carbon offsets (no more than 50 percent of total GHG reductions), it is not possible to demonstrate that Mitigation Measure GHG-1 could feasibly reduce the project's emissions below the County's significance threshold of 3.8 MT CO_2e per service person per year. Therefore, the project's impact from GHG emissions would remain significant and unavoidable.

Monitoring GHG Reductions

The County Planning and Development Department staff shall confirm inclusion of the required GHG emission reduction measures into the project's Conditional Use Permit. Compliance with all components of the GHGRP shall be verified during construction and prior to issuance of a Certificate(s) of Occupancy. The tenant shall be required to submit annual reports documenting GHG reduction measures, energy use, water use, solid waste collection, and a bi-annual employee mode of transportation survey. Upon at least three consecutive years of demonstrated compliance, and at the sole discretion of the County Planning and Development Department, annual reporting may be suspended.

Upon demonstrating compliance with a qualified GHG Reduction Plan, such as future updates to the Climate Action Plan adopted by the County of Santa Barbara, the project may indefinitely suspend this GHG Reduction Plan reporting.

Attachments:

A: Unmitigated CalEEMod Output Sheets
B: Mobile Source Emissions Estimates
C: Boiler Emissions Calculations
D: Transportation Demand Management (TDM) Plan
E: Source Reduction and Solid Waste Management Plan
F: Mitigated CalEEMod Output Sheets

ATTACHMENT A

UNMITIGATED CALEEMOD OUTPUT SHEETS

Arctic Cold Storage and Packing Project

Santa Barbara-North of Santa Ynez County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Refrigerated Warehouse-No Rail	449.25	1000sqft	10.31	449,248.00	0
Parking Lot	496.00	Space	9.41	198,400.00	0

1.2 Other Project Characteristics

Urbanization	Rural	**Wind Speed (m/s)**	3.1	**Precipitation Freq (Days)**	37
Climate Zone	4			**Operational Year**	2022
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	328.8	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Arctic Cold Storage and Packing Project - Santa Barbara-North of Santa Ynez County, Annual

Project Characteristics - CO2 intensity per 5-year average (PG&E 2015)

Land Use - Approximately 19.72 acres of the project area will consist of impervious surface (structures and paving).

Construction Phase - Construction is expected to begin January 18, 2021 and end February 2, 2022.

Grading - The proposed would include 64,876 cubic yards of cut and 50,311 cubic yards of fill, and would result in approximately 14,565 cubic yards of net cut.

Vehicle Trips - Based on trip generation and vehicle miles traveled prepared for the proposed project

Energy Use - Based on project's estimated energy usage

Water And Wastewater - Indoor and outdoor water use based on project's estimated water usage

Construction Off-road Equipment Mitigation - Compliance with SBCAPCD standard dust control measures

Energy Mitigation - Assuming compliance with 2019 Title 24 standards and use of LED lighting throughout facility

Waste Mitigation -

Operational Off-Road Equipment - The project would utilize four propane forklifts. CNG was chosen as the closest representative fuel type.

Fleet Mix - Fleet trip percentages based on 1,168 employee trips and 212 truck trips

Stationary Sources - Emergency Generators and Fire Pumps - The project would have a diesel fire pump system

Stationary Sources - Process Boilers -

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	300.00	228.00
tblConstructionPhase	NumDays	30.00	35.00
tblEnergyUse	LightingElect	1.62	13.14
tblEnergyUse	NT24E	7.99	64.82
tblEnergyUse	T24E	0.14	1.14
tblFleetMix	HHD	0.02	0.04
tblFleetMix	LDA	0.56	0.42
tblFleetMix	LDT1	0.03	0.21
tblFleetMix	LDT2	0.21	0.21
tblFleetMix	LHD1	0.02	0.00

tblFleetMix	LHD2	5.5720e-003	0.00
tblFleetMix	MCY	6.8860e-003	0.00
tblFleetMix	MDV	0.12	0.08
tblFleetMix	MH	1.0030e-003	0.00
tblFleetMix	MHD	0.02	0.03
tblFleetMix	OBUS	2.7860e-003	0.00
tblFleetMix	SBUS	2.6470e-003	0.00
tblFleetMix	UBUS	2.2650e-003	0.00
tblGrading	AcresOfGrading	87.50	19.72
tblGrading	MaterialExported	0.00	14,565.00
tblLandUse	LandUseSquareFeet	449,250.00	449,248.00
tblLandUse	LotAcreage	4.46	9.41
tblOperationalOffRoadEquipment	OperDaysPerYear	260.00	365.00
tblOperationalOffRoadEquipment	OperFuelType	Diesel	CNG
tblOperationalOffRoadEquipment	OperHoursPerDay	8.00	24.00
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	4.00
tblProjectCharacteristics	CO2IntensityFactor	641.35	328.8
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblStationaryGeneratorsPumpsEF	CH4_EF	0.07	0.07
tblStationaryGeneratorsPumpsEF	ROG_EF	2.2480e-003	2.2477e-003
tblStationaryGeneratorsPumpsUse	HorsePowerValue	0.00	351.00
tblStationaryGeneratorsPumpsUse	HoursPerDay	0.00	2.00
tblStationaryGeneratorsPumpsUse	HoursPerYear	0.00	50.00
tblStationaryGeneratorsPumpsUse	NumberOfEquipment	0.00	1.00
tblVehicleTrips	CC_TL	5.50	0.00
tblVehicleTrips	CNW_TL	6.40	0.00
tblVehicleTrips	CNW_TTP	41.00	0.00

tblVehicleTrips	CW_TL	6.60	25.00
tblVehicleTrips	CW_TTP	59.00	100.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	ST_TR	1.68	3.07
tblVehicleTrips	SU_TR	1.68	3.07
tblVehicleTrips	WD_TR	1.68	3.07
tblWater	IndoorWaterUseRate	103,889,062.50	82,968,167.10
tblWater	OutdoorWaterUseRate	0.00	1,013,396.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	0.4150	4.2308	3.4061	8.8000e-003	0.4611	0.1486	0.6097	0.1779	0.1389	0.3167	0.0000	809.2328	809.2328	0.1237	0.0000	812.3260
2022	5.3340	0.4308	0.4655	1.0500e-003	0.0307	0.0163	0.0469	8.3100e-003	0.0152	0.0236	0.0000	95.1320	95.1320	0.0157	0.0000	95.5250
Maximum	**5.3340**	**4.2308**	**3.4061**	**8.8000e-003**	**0.4611**	**0.1486**	**0.6097**	**0.1779**	**0.1389**	**0.3167**	**0.0000**	**809.2328**	**809.2328**	**0.1237**	**0.0000**	**812.3260**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	0.4150	4.2308	3.4061	8.8000e-003	0.3470	0.1486	0.4956	0.1180	0.1389	0.2568	0.0000	809.2323	809.2323	0.1237	0.0000	812.3256
2022	5.3340	0.4308	0.4655	1.0500e-003	0.0307	0.0163	0.0469	8.3100e-003	0.0152	0.0236	0.0000	95.1319	95.1319	0.0157	0.0000	95.5249
Maximum	**5.3340**	**4.2308**	**3.4061**	**8.8000e-003**	**0.3470**	**0.1486**	**0.4956**	**0.1180**	**0.1389**	**0.2568**	**0.0000**	**809.2323**	**809.2323**	**0.1237**	**0.0000**	**812.3256**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**23.20**	**0.00**	**17.38**	**32.17**	**0.00**	**17.60**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Arctic Cold Storage and Packing Project - Santa Barbara-North of Santa Ynez County, Annual

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-18-2021	4-17-2021	1.6433	1.6433
2	4-18-2021	7-17-2021	1.0307	1.0307
3	7-18-2021	10-17-2021	1.0430	1.0430
4	10-18-2021	1-17-2022	3.3576	3.3576
5	1-18-2022	4-17-2022	3.2689	3.2689
		Highest	3.3576	3.3576

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	2.2956	8.0000e-005	8.7000e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0169	0.0169	4.0000e-005	0.0000	0.0180
Energy	9.1800e-003	0.0835	0.0701	5.0000e-004		6.3400e-003	6.3400e-003		6.3400e-003	6.3400e-003	0.0000	5,401.0248	5,401.0248	0.4701	0.0986	5,442.1501
Mobile	0.6354	5.8619	13.3808	0.0525	4.7387	0.0416	4.7803	1.2676	0.0390	1.3065	0.0000	4,885.5176	4,885.5176	0.1956	0.0000	4,890.4071
Offroad	0.2488	2.3102	2.5267	3.3500e-003		0.1530	0.1530		0.1408	0.1408	0.0000	294.0980	294.0980	0.0951	0.0000	296.4759
Stationary	0.0144	0.0403	0.0367	7.0000e-005		2.1200e-003	2.1200e-003		2.1200e-003	2.1200e-003	0.0000	6.6830	6.6830	9.4000e-004	0.0000	6.7064
Waste						0.0000	0.0000		0.0000	0.0000	87.6942	0.0000	87.6942	4.3485	0.0000	196.4060
Water						0.0000	0.0000		0.0000	0.0000	29.3543	67.4845	96.8388	0.1070	0.0651	118.9036
Total	**3.2034**	**8.2959**	**16.0231**	**0.0564**	**4.7387**	**0.2031**	**4.9418**	**1.2676**	**0.1883**	**1.4558**	**117.0484**	**10,654.8248**	**10,771.8732**	**5.2172**	**0.1636**	**10,951.0670**

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	2.2956	8.0000e-005	8.7000e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0169	0.0169	4.0000e-005	0.0000	0.0180
Energy	8.6500e-003	0.0786	0.0661	4.7000e-004		5.9800e-003	5.9800e-003		5.9800e-003	5.9800e-003	0.0000	5,194.7093	5,194.7093	0.4523	0.0948	5,234.2666
Mobile	0.6354	5.8619	13.3808	0.0525	4.7387	0.0416	4.7803	1.2676	0.0390	1.3065	0.0000	4,885.5176	4,885.5176	0.1956	0.0000	4,890.4071
Offroad	0.2488	2.3102	2.5267	3.3500e-003		0.1530	0.1530		0.1408	0.1408	0.0000	294.0980	294.0980	0.0951	0.0000	296.4759
Stationary	0.0144	0.0403	0.0367	7.0000e-005		2.1200e-003	2.1200e-003		2.1200e-003	2.1200e-003	0.0000	6.6830	6.6830	9.4000e-004	0.0000	6.7064
Waste						0.0000	0.0000		0.0000	0.0000	87.6942	0.0000	87.6942	4.3485	0.0000	196.4060
Water						0.0000	0.0000		0.0000	0.0000	29.3543	67.4845	96.8388	0.1070	0.0651	118.9036
Total	**3.2029**	**8.2911**	**16.0190**	**0.0564**	**4.7387**	**0.2028**	**4.9415**	**1.2676**	**0.1879**	**1.4555**	**117.0484**	**10,448.5092**	**10,565.5577**	**5.1994**	**0.1599**	**10,743.1835**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.02**	**0.06**	**0.03**	**0.05**	**0.00**	**0.18**	**0.01**	**0.00**	**0.19**	**0.02**	**0.00**	**1.94**	**1.92**	**0.34**	**2.30**	**1.90**

3.0 Construction Detail

Construction Phase

Arctic Cold Storage and Packing Project - Santa Barbara-North of Santa Ynez County, Annual

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	1/18/2021	1/29/2021	5	10	
2	Grading	Grading	1/30/2021	3/19/2021	5	35	
3	Building Construction	Building Construction	3/22/2021	2/2/2022	5	228	
4	Paving	Paving	1/6/2022	2/2/2022	5	20	
5	Architectural Coating	Architectural Coating	1/6/2022	2/2/2022	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 19.72

Acres of Paving: 9.41

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 673,872; Non-Residential Outdoor: 224,624; Striped Parking Area: 11,904 (Architectural Coating – sqft)

OffRoad Equipment

Arctic Cold Storage and Packing Project - Santa Barbara-North of Santa Ynez County, Annual

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	0.00	8.30	6.40	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	1,821.00	8.30	6.40	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	272.00	106.00	0.00	8.30	6.40	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	8.30	6.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	54.00	0.00	0.00	8.30	6.40	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Site Preparation - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0903	0.0000	0.0903	0.0497	0.0000	0.0497	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0194	0.2025	0.1058	1.9000e-004		0.0102	0.0102		9.4000e-003	9.4000e-003	0.0000	16.7179	16.7179	5.4100e-003	0.0000	16.8530
Total	**0.0194**	**0.2025**	**0.1058**	**1.9000e-004**	**0.0903**	**0.0102**	**0.1006**	**0.0497**	**9.4000e-003**	**0.0591**	**0.0000**	**16.7179**	**16.7179**	**5.4100e-003**	**0.0000**	**16.8530**

3.2 Site Preparation - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.7000e-004	2.2000e-004	1.9300e-003	0.0000	5.6000e-004	0.0000	5.6000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.4386	0.4386	1.0000e-005	0.0000	0.4389
Total	**2.7000e-004**	**2.2000e-004**	**1.9300e-003**	**0.0000**	**5.6000e-004**	**0.0000**	**5.6000e-004**	**1.5000e-004**	**0.0000**	**1.5000e-004**	**0.0000**	**0.4386**	**0.4386**	**1.0000e-005**	**0.0000**	**0.4389**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0407	0.0000	0.0407	0.0223	0.0000	0.0223	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0194	0.2025	0.1058	1.9000e-004		0.0102	0.0102		9.4000e-003	9.4000e-003	0.0000	16.7178	16.7178	5.4100e-003	0.0000	16.8530
Total	**0.0194**	**0.2025**	**0.1058**	**1.9000e-004**	**0.0407**	**0.0102**	**0.0509**	**0.0223**	**9.4000e-003**	**0.0317**	**0.0000**	**16.7178**	**16.7178**	**5.4100e-003**	**0.0000**	**16.8530**

3.2 Site Preparation - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.7000e-004	2.2000e-004	1.9300e-003	0.0000	5.6000e-004	0.0000	5.6000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.4386	0.4386	1.0000e-005	0.0000	0.4389
Total	**2.7000e-004**	**2.2000e-004**	**1.9300e-003**	**0.0000**	**5.6000e-004**	**0.0000**	**5.6000e-004**	**1.5000e-004**	**0.0000**	**1.5000e-004**	**0.0000**	**0.4386**	**0.4386**	**1.0000e-005**	**0.0000**	**0.4389**

3.3 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1171	0.0000	0.1171	0.0593	0.0000	0.0593	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0734	0.8120	0.5404	1.0900e-003		0.0347	0.0347		0.0320	0.0320	0.0000	95.3662	95.3662	0.0308	0.0000	96.1373
Total	**0.0734**	**0.8120**	**0.5404**	**1.0900e-003**	**0.1171**	**0.0347**	**0.1519**	**0.0593**	**0.0320**	**0.0912**	**0.0000**	**95.3662**	**95.3662**	**0.0308**	**0.0000**	**96.1373**

3.3 Grading - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	6.9700e-003	0.2559	0.0776	6.9000e-004	0.0155	9.9000e-004	0.0165	4.2500e-003	9.5000e-004	5.2000e-003	0.0000	70.3722	70.3722	6.7600e-003	0.0000	70.5411
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0400e-003	8.5000e-004	7.5200e-003	2.0000e-005	2.1600e-003	1.0000e-005	2.1800e-003	5.7000e-004	1.0000e-005	5.9000e-004	0.0000	1.7056	1.7056	5.0000e-005	0.0000	1.7069
Total	**8.0100e-003**	**0.2567**	**0.0851**	**7.1000e-004**	**0.0177**	**1.0000e-003**	**0.0187**	**4.8200e-003**	**9.6000e-004**	**5.7900e-003**	**0.0000**	**72.0778**	**72.0778**	**6.8100e-003**	**0.0000**	**72.2480**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0527	0.0000	0.0527	0.0267	0.0000	0.0267	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0734	0.8120	0.5404	1.0900e-003		0.0347	0.0347		0.0320	0.0320	0.0000	95.3661	95.3661	0.0308	0.0000	96.1372
Total	**0.0734**	**0.8120**	**0.5404**	**1.0900e-003**	**0.0527**	**0.0347**	**0.0875**	**0.0267**	**0.0320**	**0.0586**	**0.0000**	**95.3661**	**95.3661**	**0.0308**	**0.0000**	**96.1372**

3.3 Grading - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	6.9700e-003	0.2559	0.0776	6.9000e-004	0.0155	9.9000e-004	0.0165	4.2500e-003	9.5000e-004	5.2000e-003	0.0000	70.3722	70.3722	6.7600e-003	0.0000	70.5411
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0400e-003	8.5000e-004	7.5200e-003	2.0000e-005	2.1600e-003	1.0000e-005	2.1800e-003	5.7000e-004	1.0000e-005	5.9000e-004	0.0000	1.7056	1.7056	5.0000e-005	0.0000	1.7069
Total	**8.0100e-003**	**0.2567**	**0.0851**	**7.1000e-004**	**0.0177**	**1.0000e-003**	**0.0187**	**4.8200e-003**	**9.6000e-004**	**5.7900e-003**	**0.0000**	**72.0778**	**72.0778**	**6.8100e-003**	**0.0000**	**72.2480**

3.4 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1948	1.7868	1.6990	2.7600e-003		0.0983	0.0983		0.0924	0.0924	0.0000	237.4282	237.4282	0.0573	0.0000	238.8602
Total	**0.1948**	**1.7868**	**1.6990**	**2.7600e-003**		**0.0983**	**0.0983**		**0.0924**	**0.0924**	**0.0000**	**237.4282**	**237.4282**	**0.0573**	**0.0000**	**238.8602**

3.4 Building Construction - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0361	1.1052	0.3754	2.5400e-003	0.0632	3.2800e-003	0.0665	0.0182	3.1400e-003	0.0214	0.0000	251.3428	251.3428	0.0191	0.0000	251.8210
Worker	0.0830	0.0673	0.5987	1.5000e-003	0.1722	1.0900e-003	0.1733	0.0458	1.0000e-003	0.0468	0.0000	135.8613	135.8613	4.2500e-003	0.0000	135.9676
Total	**0.1191**	**1.1726**	**0.9740**	**4.0400e-003**	**0.2354**	**4.3700e-003**	**0.2397**	**0.0640**	**4.1400e-003**	**0.0681**	**0.0000**	**387.2041**	**387.2041**	**0.0234**	**0.0000**	**387.7885**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1948	1.7868	1.6990	2.7600e-003		0.0983	0.0983		0.0924	0.0924	0.0000	237.4279	237.4279	0.0573	0.0000	238.8600
Total	**0.1948**	**1.7868**	**1.6990**	**2.7600e-003**		**0.0983**	**0.0983**		**0.0924**	**0.0924**	**0.0000**	**237.4279**	**237.4279**	**0.0573**	**0.0000**	**238.8600**

3.4 Building Construction - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0361	1.1052	0.3754	2.5400e-003	0.0632	3.2800e-003	0.0665	0.0182	3.1400e-003	0.0214	0.0000	251.3428	251.3428	0.0191	0.0000	251.8210
Worker	0.0830	0.0673	0.5987	1.5000e-003	0.1722	1.0900e-003	0.1733	0.0458	1.0000e-003	0.0468	0.0000	135.8613	135.8613	4.2500e-003	0.0000	135.9676
Total	**0.1191**	**1.1726**	**0.9740**	**4.0400e-003**	**0.2354**	**4.3700e-003**	**0.2397**	**0.0640**	**4.1400e-003**	**0.0681**	**0.0000**	**387.2041**	**387.2041**	**0.0234**	**0.0000**	**387.7885**

3.4 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0196	0.1796	0.1882	3.1000e-004		9.3000e-003	9.3000e-003		8.7500e-003	8.7500e-003	0.0000	26.6484	26.6484	6.3800e-003	0.0000	26.8080
Total	**0.0196**	**0.1796**	**0.1882**	**3.1000e-004**		**9.3000e-003**	**9.3000e-003**		**8.7500e-003**	**8.7500e-003**	**0.0000**	**26.6484**	**26.6484**	**6.3800e-003**	**0.0000**	**26.8080**

3.4 Building Construction - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.7300e-003	0.1176	0.0388	2.8000e-004	7.0900e-003	3.2000e-004	7.4100e-003	2.0400e-003	3.1000e-004	2.3500e-003	0.0000	27.9609	27.9609	2.1700e-003	0.0000	28.0153
Worker	8.6700e-003	6.7500e-003	0.0611	1.6000e-004	0.0193	1.2000e-004	0.0194	5.1300e-003	1.1000e-004	5.2400e-003	0.0000	14.6994	14.6994	4.2000e-004	0.0000	14.7100
Total	**0.0124**	**0.1244**	**0.0999**	**4.4000e-004**	**0.0264**	**4.4000e-004**	**0.0269**	**7.1700e-003**	**4.2000e-004**	**7.5900e-003**	**0.0000**	**42.6603**	**42.6603**	**2.5900e-003**	**0.0000**	**42.7252**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0196	0.1796	0.1882	3.1000e-004		9.3000e-003	9.3000e-003		8.7500e-003	8.7500e-003	0.0000	26.6484	26.6484	6.3800e-003	0.0000	26.8080
Total	**0.0196**	**0.1796**	**0.1882**	**3.1000e-004**		**9.3000e-003**	**9.3000e-003**		**8.7500e-003**	**8.7500e-003**	**0.0000**	**26.6484**	**26.6484**	**6.3800e-003**	**0.0000**	**26.8080**

3.4 Building Construction - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.7300e-003	0.1176	0.0388	2.8000e-004	7.0900e-003	3.2000e-004	7.4100e-003	2.0400e-003	3.1000e-004	2.3500e-003	0.0000	27.9609	27.9609	2.1700e-003	0.0000	28.0153
Worker	8.6700e-003	6.7500e-003	0.0611	1.6000e-004	0.0193	1.2000e-004	0.0194	5.1300e-003	1.1000e-004	5.2400e-003	0.0000	14.6994	14.6994	4.2000e-004	0.0000	14.7100
Total	**0.0124**	**0.1244**	**0.0999**	**4.4000e-004**	**0.0264**	**4.4000e-004**	**0.0269**	**7.1700e-003**	**4.2000e-004**	**7.5900e-003**	**0.0000**	**42.6603**	**42.6603**	**2.5900e-003**	**0.0000**	**42.7252**

3.5 Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0110	0.1113	0.1458	2.3000e-004		5.6800e-003	5.6800e-003		5.2200e-003	5.2200e-003	0.0000	20.0276	20.0276	6.4800e-003	0.0000	20.1895
Paving	0.0123					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0234**	**0.1113**	**0.1458**	**2.3000e-004**		**5.6800e-003**	**5.6800e-003**		**5.2200e-003**	**5.2200e-003**	**0.0000**	**20.0276**	**20.0276**	**6.4800e-003**	**0.0000**	**20.1895**

3.5 Paving - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.2000e-004	3.2000e-004	2.9300e-003	1.0000e-005	9.3000e-004	1.0000e-005	9.3000e-004	2.5000e-004	1.0000e-005	2.5000e-004	0.0000	0.7049	0.7049	2.0000e-005	0.0000	0.7054
Total	**4.2000e-004**	**3.2000e-004**	**2.9300e-003**	**1.0000e-005**	**9.3000e-004**	**1.0000e-005**	**9.3000e-004**	**2.5000e-004**	**1.0000e-005**	**2.5000e-004**	**0.0000**	**0.7049**	**0.7049**	**2.0000e-005**	**0.0000**	**0.7054**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0110	0.1113	0.1458	2.3000e-004		5.6800e-003	5.6800e-003		5.2200e-003	5.2200e-003	0.0000	20.0275	20.0275	6.4800e-003	0.0000	20.1895
Paving	0.0123					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0234**	**0.1113**	**0.1458**	**2.3000e-004**		**5.6800e-003**	**5.6800e-003**		**5.2200e-003**	**5.2200e-003**	**0.0000**	**20.0275**	**20.0275**	**6.4800e-003**	**0.0000**	**20.1895**

3.5 Paving - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.2000e-004	3.2000e-004	2.9300e-003	1.0000e-005	9.3000e-004	1.0000e-005	9.3000e-004	2.5000e-004	1.0000e-005	2.5000e-004	0.0000	0.7049	0.7049	2.0000e-005	0.0000	0.7054
Total	**4.2000e-004**	**3.2000e-004**	**2.9300e-003**	**1.0000e-005**	**9.3000e-004**	**1.0000e-005**	**9.3000e-004**	**2.5000e-004**	**1.0000e-005**	**2.5000e-004**	**0.0000**	**0.7049**	**0.7049**	**2.0000e-005**	**0.0000**	**0.7054**

3.6 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	5.2746					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.0500e-003	0.0141	0.0181	3.0000e-005		8.2000e-004	8.2000e-004		8.2000e-004	8.2000e-004	0.0000	2.5533	2.5533	1.7000e-004	0.0000	2.5574
Total	**5.2767**	**0.0141**	**0.0181**	**3.0000e-005**		**8.2000e-004**	**8.2000e-004**		**8.2000e-004**	**8.2000e-004**	**0.0000**	**2.5533**	**2.5533**	**1.7000e-004**	**0.0000**	**2.5574**

3.6 Architectural Coating - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.5000e-003	1.1700e-003	0.0106	3.0000e-005	3.3400e-003	2.0000e-005	3.3600e-003	8.9000e-004	2.0000e-005	9.1000e-004	0.0000	2.5376	2.5376	7.0000e-005	0.0000	2.5394
Total	**1.5000e-003**	**1.1700e-003**	**0.0106**	**3.0000e-005**	**3.3400e-003**	**2.0000e-005**	**3.3600e-003**	**8.9000e-004**	**2.0000e-005**	**9.1000e-004**	**0.0000**	**2.5376**	**2.5376**	**7.0000e-005**	**0.0000**	**2.5394**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	5.2746					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.0500e-003	0.0141	0.0181	3.0000e-005		8.2000e-004	8.2000e-004		8.2000e-004	8.2000e-004	0.0000	2.5533	2.5533	1.7000e-004	0.0000	2.5574
Total	**5.2767**	**0.0141**	**0.0181**	**3.0000e-005**		**8.2000e-004**	**8.2000e-004**		**8.2000e-004**	**8.2000e-004**	**0.0000**	**2.5533**	**2.5533**	**1.7000e-004**	**0.0000**	**2.5574**

3.6 Architectural Coating - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.5000e-003	1.1700e-003	0.0106	3.0000e-005	3.3400e-003	2.0000e-005	3.3600e-003	8.9000e-004	2.0000e-005	9.1000e-004	0.0000	2.5376	2.5376	7.0000e-005	0.0000	2.5394
Total	**1.5000e-003**	**1.1700e-003**	**0.0106**	**3.0000e-005**	**3.3400e-003**	**2.0000e-005**	**3.3600e-003**	**8.9000e-004**	**2.0000e-005**	**9.1000e-004**	**0.0000**	**2.5376**	**2.5376**	**7.0000e-005**	**0.0000**	**2.5394**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.6354	5.8619	13.3808	0.0525	4.7387	0.0416	4.7803	1.2676	0.0390	1.3065	0.0000	4,885.5176	4,885.5176	0.1956	0.0000	4,890.4071
Unmitigated	0.6354	5.8619	13.3808	0.0525	4.7387	0.0416	4.7803	1.2676	0.0390	1.3065	0.0000	4,885.5176	4,885.5176	0.1956	0.0000	4,890.4071

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Parking Lot	0.00	0.00	0.00		
Refrigerated Warehouse-No Rail	1,379.20	1,379.20	1379.20	12,550,697	12,550,697
Total	1,379.20	1,379.20	1,379.20	12,550,697	12,550,697

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Parking Lot	6.60	5.50	6.40	0.00	0.00	0.00	0	0	0
Refrigerated Warehouse-No	25.00	0.00	0.00	100.00	0.00	0.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Parking Lot	0.563532	0.028682	0.205515	0.123285	0.020921	0.005572	0.017481	0.019425	0.002786	0.002265	0.006886	0.002647	0.001003
Refrigerated Warehouse-No Rail	0.423188	0.211594	0.211594	0.075362	0.000000	0.000000	0.034783	0.043478	0.000000	0.000000	0.000000	0.000000	0.000000

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

Install High Efficiency Lighting

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	5,109.0996	5,109.0996	0.4506	0.0932	5,148.1482
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	5,310.1650	5,310.1650	0.4684	0.0969	5,350.7503
NaturalGas Mitigated	8.6500e-003	0.0786	0.0661	4.7000e-004		5.9800e-003	5.9800e-003		5.9800e-003	5.9800e-003	0.0000	85.6097	85.6097	1.6400e-003	1.5700e-003	86.1184
NaturalGas Unmitigated	9.1800e-003	0.0835	0.0701	5.0000e-004		6.3400e-003	6.3400e-003		6.3400e-003	6.3400e-003	0.0000	90.8599	90.8599	1.7400e-003	1.6700e-003	91.3998

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	1.70265e+006	9.1800e-003	0.0835	0.0701	5.0000e-004		6.3400e-003	6.3400e-003		6.3400e-003	6.3400e-003	0.0000	90.8599	90.8599	1.7400e-003	1.6700e-003	91.3998
Total		**9.1800e-003**	**0.0835**	**0.0701**	**5.0000e-004**		**6.3400e-003**	**6.3400e-003**		**6.3400e-003**	**6.3400e-003**	**0.0000**	**90.8599**	**90.8599**	**1.7400e-003**	**1.6700e-003**	**91.3998**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	1.60426e+006	8.6500e-003	0.0786	0.0661	4.7000e-004		5.9800e-003	5.9800e-003		5.9800e-003	5.9800e-003	0.0000	85.6097	85.6097	1.6400e-003	1.5700e-003	86.1184
Total		**8.6500e-003**	**0.0786**	**0.0661**	**4.7000e-004**		**5.9800e-003**	**5.9800e-003**		**5.9800e-003**	**5.9800e-003**	**0.0000**	**85.6097**	**85.6097**	**1.6400e-003**	**1.5700e-003**	**86.1184**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Parking Lot	69440	10.3564	9.1000e-004	1.9000e-004	10.4355
Refrigerated Warehouse-No Rail	3.55355e+007	5,299.8086	0.4674	0.0967	5,340.3147
Total		**5,310.1650**	**0.4684**	**0.0969**	**5,350.7503**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Parking Lot	55552	8.2851	7.3000e-004	1.5000e-004	8.3484
Refrigerated Warehouse-No Rail	3.42013e+007	5,100.8145	0.4499	0.0931	5,139.7998
Total		**5,109.0996**	**0.4506**	**0.0932**	**5,148.1482**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	2.2956	8.0000e-005	8.7000e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0169	0.0169	4.0000e-005	0.0000	0.0180
Unmitigated	2.2956	8.0000e-005	8.7000e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0169	0.0169	4.0000e-005	0.0000	0.0180

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.5275					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.7674					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	8.1000e-004	8.0000e-005	8.7000e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0169	0.0169	4.0000e-005	0.0000	0.0180
Total	**2.2956**	**8.0000e-005**	**8.7000e-003**	**0.0000**		**3.0000e-005**	**3.0000e-005**		**3.0000e-005**	**3.0000e-005**	**0.0000**	**0.0169**	**0.0169**	**4.0000e-005**	**0.0000**	**0.0180**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.5275					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.7674					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	8.1000e-004	8.0000e-005	8.7000e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0169	0.0169	4.0000e-005	0.0000	0.0180
Total	**2.2956**	**8.0000e-005**	**8.7000e-003**	**0.0000**		**3.0000e-005**	**3.0000e-005**		**3.0000e-005**	**3.0000e-005**	**0.0000**	**0.0169**	**0.0169**	**4.0000e-005**	**0.0000**	**0.0180**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	96.8388	0.1070	0.0651	118.9036
Unmitigated	96.8388	0.1070	0.0651	118.9036

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	82.9682 / 1.0134	96.8388	0.1070	0.0651	118.9036
Total		**96.8388**	**0.1070**	**0.0651**	**118.9036**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	82.9682 / 1.0134	96.8388	0.1070	0.0651	118.9036
Total		**96.8388**	**0.1070**	**0.0651**	**118.9036**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	87.6942	4.3485	0.0000	196.4060
Unmitigated	87.6942	4.3485	0.0000	196.4060

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	422.29	87.6942	4.3485	0.0000	196.4060
Total		**87.6942**	**4.3485**	**0.0000**	**196.4060**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	422.29	87.6942	4.3485	0.0000	196.4060
Total		**87.6942**	**4.3485**	**0.0000**	**196.4060**

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
Forklifts	4	24.00	365	89	0.20	CNG

UnMitigated/Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	tons/yr										MT/yr					
Forklifts	0.2488	2.3102	2.5267	3.3500e-003		0.1530	0.1530		0.1408	0.1408	0.0000	294.0980	294.0980	0.0951	0.0000	296.4759
Total	**0.2488**	**2.3102**	**2.5267**	**3.3500e-003**		**0.1530**	**0.1530**		**0.1408**	**0.1408**	**0.0000**	**294.0980**	**294.0980**	**0.0951**	**0.0000**	**296.4759**

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Fire Pump	1	2	50	351	0.73	Diesel

Boilers

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

User Defined Equipment

Equipment Type	Number

10.1 Stationary Sources

Unmitigated/Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	tons/yr										MT/yr					
Fire Pump - Diesel (300 - 600 HP)	0.0144	0.0403	0.0367	7.0000e-005		2.1200e-003	2.1200e-003		2.1200e-003	2.1200e-003	0.0000	6.6830	6.6830	9.4000e-004	0.0000	6.7064
Total	**0.0144**	**0.0403**	**0.0367**	**7.0000e-005**		**2.1200e-003**	**2.1200e-003**		**2.1200e-003**	**2.1200e-003**	**0.0000**	**6.6830**	**6.6830**	**9.4000e-004**	**0.0000**	**6.7064**

11.0 Vegetation

Arctic Cold Storage and Packing Project

Santa Barbara-North of Santa Ynez County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Refrigerated Warehouse-No Rail	449.25	1000sqft	10.31	449,248.00	0
Parking Lot	496.00	Space	9.41	198,400.00	0

1.2 Other Project Characteristics

Urbanization	Rural	**Wind Speed (m/s)**	3.1	**Precipitation Freq (Days)**	37
Climate Zone	4			**Operational Year**	2022
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	328.8	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Arctic Cold Storage and Packing Project - Santa Barbara-North of Santa Ynez County, Summer

Project Characteristics - CO2 intensity per 5-year average (PG&E 2015)

Land Use - Approximately 19.72 acres of the project area will consist of impervious surface (structures and paving).

Construction Phase - Construction is expected to begin January 18, 2021 and end February 2, 2022.

Grading - The proposed would include 64,876 cubic yards of cut and 50,311 cubic yards of fill, and would result in approximately 14,565 cubic yards of net cut.

Vehicle Trips - Based on trip generation and vehicle miles traveled prepared for the proposed project

Energy Use - Based on project's estimated energy usage

Water And Wastewater - Indoor and outdoor water use based on project's estimated water usage

Construction Off-road Equipment Mitigation - Compliance with SBCAPCD standard dust control measures

Energy Mitigation - Assuming compliance with 2019 Title 24 standards and use of LED lighting throughout facility

Waste Mitigation -

Operational Off-Road Equipment - The project would utilize four propane forklifts. CNG was chosen as the closest representative fuel type.

Fleet Mix - Fleet trip percentages based on 1,168 employee trips and 212 truck trips

Stationary Sources - Emergency Generators and Fire Pumps - The project would have a diesel fire pump system

Stationary Sources - Process Boilers -

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	300.00	228.00
tblConstructionPhase	NumDays	30.00	35.00
tblEnergyUse	LightingElect	1.62	13.14
tblEnergyUse	NT24E	7.99	64.82
tblEnergyUse	T24E	0.14	1.14
tblFleetMix	HHD	0.02	0.04
tblFleetMix	LDA	0.56	0.42
tblFleetMix	LDT1	0.03	0.21
tblFleetMix	LDT2	0.21	0.21
tblFleetMix	LHD1	0.02	0.00

tblFleetMix	LHD2	5.5720e-003	0.00
tblFleetMix	MCY	6.8860e-003	0.00
tblFleetMix	MDV	0.12	0.08
tblFleetMix	MH	1.0030e-003	0.00
tblFleetMix	MHD	0.02	0.03
tblFleetMix	OBUS	2.7860e-003	0.00
tblFleetMix	SBUS	2.6470e-003	0.00
tblFleetMix	UBUS	2.2650e-003	0.00
tblGrading	AcresOfGrading	87.50	19.72
tblGrading	MaterialExported	0.00	14,565.00
tblLandUse	LandUseSquareFeet	449,250.00	449,248.00
tblLandUse	LotAcreage	4.46	9.41
tblOperationalOffRoadEquipment	OperDaysPerYear	260.00	365.00
tblOperationalOffRoadEquipment	OperFuelType	Diesel	CNG
tblOperationalOffRoadEquipment	OperHoursPerDay	8.00	24.00
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	4.00
tblProjectCharacteristics	CO2IntensityFactor	641.35	328.8
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblStationaryGeneratorsPumpsEF	CH4_EF	0.07	0.07
tblStationaryGeneratorsPumpsEF	ROG_EF	2.2480e-003	2.2477e-003
tblStationaryGeneratorsPumpsUse	HorsePowerValue	0.00	351.00
tblStationaryGeneratorsPumpsUse	HoursPerDay	0.00	2.00
tblStationaryGeneratorsPumpsUse	HoursPerYear	0.00	50.00
tblStationaryGeneratorsPumpsUse	NumberOfEquipment	0.00	1.00
tblVehicleTrips	CC_TL	5.50	0.00
tblVehicleTrips	CNW_TL	6.40	0.00
tblVehicleTrips	CNW_TTP	41.00	0.00

tblVehicleTrips	CW_TL	6.60	25.00
tblVehicleTrips	CW_TTP	59.00	100.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	ST_TR	1.68	3.07
tblVehicleTrips	SU_TR	1.68	3.07
tblVehicleTrips	WD_TR	1.68	3.07
tblWater	IndoorWaterUseRate	103,889,062.50	82,968,167.10
tblWater	OutdoorWaterUseRate	0.00	1,013,396.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	4.6433	60.7558	35.6566	0.1029	18.1799	2.0452	20.2251	9.9608	1.8816	11.8424	0.0000	10,575.1630	10,575.1630	2.3681	0.0000	10,634.3663
2022	532.9450	38.9300	42.5613	0.0956	2.7813	1.4990	4.2803	0.7519	1.4035	2.1555	0.0000	9,556.5435	9,556.5435	1.5996	0.0000	9,596.5338
Maximum	**532.9450**	**60.7558**	**42.5613**	**0.1029**	**18.1799**	**2.0452**	**20.2251**	**9.9608**	**1.8816**	**11.8424**	**0.0000**	**10,575.1630**	**10,575.1630**	**2.3681**	**0.0000**	**10,634.3663**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	4.6433	60.7558	35.6566	0.1029	8.2435	2.0452	10.2887	4.4990	1.8816	6.3805	0.0000	10,575.1630	10,575.1630	2.3681	0.0000	10,634.3663
2022	532.9450	38.9300	42.5613	0.0956	2.7813	1.4990	4.2803	0.7519	1.4035	2.1555	0.0000	9,556.5435	9,556.5435	1.5996	0.0000	9,596.5338
Maximum	**532.9450**	**60.7558**	**42.5613**	**0.1029**	**8.2435**	**2.0452**	**10.2887**	**4.4990**	**1.8816**	**6.3805**	**0.0000**	**10,575.1630**	**10,575.1630**	**2.3681**	**0.0000**	**10,634.3663**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**47.40**	**0.00**	**40.55**	**50.98**	**0.00**	**39.02**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	12.5834	8.8000e-004	0.0967	1.0000e-005		3.5000e-004	3.5000e-004		3.5000e-004	3.5000e-004		0.2069	0.2069	5.5000e-004		0.2205
Energy	0.0503	0.4573	0.3842	2.7400e-003		0.0348	0.0348		0.0348	0.0348		548.7993	548.7993	0.0105	0.0101	552.0606
Mobile	3.5933	30.7674	74.7497	0.2937	26.6145	0.2282	26.8427	7.1064	0.2138	7.3201		30,113.5432	30,113.5432	1.1933		30,143.3767
Offroad	1.3632	12.6588	13.8450	0.0183		0.8386	0.8386		0.7715	0.7715		1,776.3700	1,776.3700	0.5745		1,790.7328
Stationary	1.1519	3.2199	2.9374	5.5400e-003		0.1695	0.1695		0.1695	0.1695		589.3389	589.3389	0.0826		591.4046
Total	**18.7421**	**47.1043**	**92.0129**	**0.3204**	**26.6145**	**1.2713**	**27.8858**	**7.1064**	**1.1898**	**8.2962**		**33,028.2583**	**33,028.2583**	**1.8616**	**0.0101**	**33,077.7952**

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	12.5834	8.8000e-004	0.0967	1.0000e-005		3.5000e-004	3.5000e-004		3.5000e-004	3.5000e-004		0.2069	0.2069	5.5000e-004		0.2205
Energy	0.0474	0.4309	0.3620	2.5900e-003		0.0328	0.0328		0.0328	0.0328		517.0877	517.0877	9.9100e-003	9.4800e-003	520.1605
Mobile	3.5933	30.7674	74.7497	0.2937	26.6145	0.2282	26.8427	7.1064	0.2138	7.3201		30,113.5432	30,113.5432	1.1933		30,143.3767
Offroad	1.3632	12.6588	13.8450	0.0183		0.8386	0.8386		0.7715	0.7715		1,776.3700	1,776.3700	0.5745		1,790.7328
Stationary	1.1519	3.2199	2.9374	5.5400e-003		0.1695	0.1695		0.1695	0.1695		589.3389	589.3389	0.0826		591.4046
Total	**18.7392**	**47.0778**	**91.9907**	**0.3202**	**26.6145**	**1.2693**	**27.8838**	**7.1064**	**1.1878**	**8.2942**		**32,996.5467**	**32,996.5467**	**1.8609**	**9.4800e-003**	**33,045.8951**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.02**	**0.06**	**0.02**	**0.05**	**0.00**	**0.16**	**0.01**	**0.00**	**0.17**	**0.02**	**0.00**	**0.10**	**0.10**	**0.03**	**5.77**	**0.10**

3.0 Construction Detail

Construction Phase

Arctic Cold Storage and Packing Project - Santa Barbara-North of Santa Ynez County, Summer

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	1/18/2021	1/29/2021	5	10	
2	Grading	Grading	1/30/2021	3/19/2021	5	35	
3	Building Construction	Building Construction	3/22/2021	2/2/2022	5	228	
4	Paving	Paving	1/6/2022	2/2/2022	5	20	
5	Architectural Coating	Architectural Coating	1/6/2022	2/2/2022	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 19.72

Acres of Paving: 9.41

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 673,872; Non-Residential Outdoor: 224,624; Striped Parking Area: 11,904 (Architectural Coating – sqft)

OffRoad Equipment

Arctic Cold Storage and Packing Project - Santa Barbara-North of Santa Ynez County, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	0.00	8.30	6.40	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	1,821.00	8.30	6.40	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	272.00	106.00	0.00	8.30	6.40	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	8.30	6.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	54.00	0.00	0.00	8.30	6.40	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Site Preparation - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	3.8882	40.4971	21.1543	0.0380		2.0445	2.0445		1.8809	1.8809		3,685.6569	3,685.6569	1.1920		3,715.4573
Total	**3.8882**	**40.4971**	**21.1543**	**0.0380**	**18.0663**	**2.0445**	**20.1107**	**9.9307**	**1.8809**	**11.8116**		**3,685.6569**	**3,685.6569**	**1.1920**		**3,715.4573**

3.2 Site Preparation - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0522	0.0389	0.3822	9.9000e-004	0.1137	7.0000e-004	0.1144	0.0302	6.5000e-004	0.0308		98.8423	98.8423	3.0400e-003		98.9183
Total	**0.0522**	**0.0389**	**0.3822**	**9.9000e-004**	**0.1137**	**7.0000e-004**	**0.1144**	**0.0302**	**6.5000e-004**	**0.0308**		**98.8423**	**98.8423**	**3.0400e-003**		**98.9183**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.1298	0.0000	8.1298	4.4688	0.0000	4.4688			0.0000			0.0000
Off-Road	3.8882	40.4971	21.1543	0.0380		2.0445	2.0445		1.8809	1.8809	0.0000	3,685.6569	3,685.6569	1.1920		3,715.4573
Total	**3.8882**	**40.4971**	**21.1543**	**0.0380**	**8.1298**	**2.0445**	**10.1743**	**4.4688**	**1.8809**	**6.3497**	**0.0000**	**3,685.6569**	**3,685.6569**	**1.1920**		**3,715.4573**

3.2 Site Preparation - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0522	0.0389	0.3822	9.9000e-004	0.1137	7.0000e-004	0.1144	0.0302	6.5000e-004	0.0308		98.8423	98.8423	3.0400e-003		98.9183
Total	**0.0522**	**0.0389**	**0.3822**	**9.9000e-004**	**0.1137**	**7.0000e-004**	**0.1144**	**0.0302**	**6.5000e-004**	**0.0308**		**98.8423**	**98.8423**	**3.0400e-003**		**98.9183**

3.3 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.6931	0.0000	6.6931	3.3859	0.0000	3.3859			0.0000			0.0000
Off-Road	4.1912	46.3998	30.8785	0.0620		1.9853	1.9853		1.8265	1.8265		6,007.0434	6,007.0434	1.9428		6,055.6134
Total	**4.1912**	**46.3998**	**30.8785**	**0.0620**	**6.6931**	**1.9853**	**8.6784**	**3.3859**	**1.8265**	**5.2124**		**6,007.0434**	**6,007.0434**	**1.9428**		**6,055.6134**

3.3 Grading - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.3942	14.3128	4.3534	0.0398	0.9038	0.0561	0.9599	0.2473	0.0536	0.3009		4,458.2948	4,458.2948	0.4220		4,468.8437
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0580	0.0432	0.4247	1.1000e-003	0.1263	7.8000e-004	0.1271	0.0335	7.2000e-004	0.0342		109.8248	109.8248	3.3800e-003		109.9092
Total	**0.4521**	**14.3560**	**4.7782**	**0.0409**	**1.0301**	**0.0568**	**1.0870**	**0.2808**	**0.0543**	**0.3351**		**4,568.1195**	**4,568.1195**	**0.4253**		**4,578.7529**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.0119	0.0000	3.0119	1.5236	0.0000	1.5236			0.0000			0.0000
Off-Road	4.1912	46.3998	30.8785	0.0620		1.9853	1.9853		1.8265	1.8265	0.0000	6,007.0434	6,007.0434	1.9428		6,055.6134
Total	**4.1912**	**46.3998**	**30.8785**	**0.0620**	**3.0119**	**1.9853**	**4.9972**	**1.5236**	**1.8265**	**3.3502**	**0.0000**	**6,007.0434**	**6,007.0434**	**1.9428**		**6,055.6134**

3.3 Grading - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.3942	14.3128	4.3534	0.0398	0.9038	0.0561	0.9599	0.2473	0.0536	0.3009		4,458.2948	4,458.2948	0.4220		4,468.8437
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0580	0.0432	0.4247	1.1000e-003	0.1263	7.8000e-004	0.1271	0.0335	7.2000e-004	0.0342		109.8248	109.8248	3.3800e-003		109.9092
Total	**0.4521**	**14.3560**	**4.7782**	**0.0409**	**1.0301**	**0.0568**	**1.0870**	**0.2808**	**0.0543**	**0.3351**		**4,568.1195**	**4,568.1195**	**0.4253**		**4,578.7529**

3.4 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643
Total	**1.9009**	**17.4321**	**16.5752**	**0.0269**		**0.9586**	**0.9586**		**0.9013**	**0.9013**		**2,553.3639**	**2,553.3639**	**0.6160**		**2,568.7643**

3.4 Building Construction - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3432	10.6623	3.4821	0.0251	0.6277	0.0313	0.6590	0.1806	0.0300	0.2106		2,730.1027	2,730.1027	0.2015		2,735.1390
Worker	0.7881	0.5871	5.7761	0.0150	1.7178	0.0106	1.7284	0.4557	9.7600e-003	0.4655		1,493.6171	1,493.6171	0.0459		1,494.7650
Total	**1.1313**	**11.2494**	**9.2582**	**0.0401**	**2.3455**	**0.0419**	**2.3874**	**0.6363**	**0.0397**	**0.6761**		**4,223.7198**	**4,223.7198**	**0.2474**		**4,229.9040**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643
Total	**1.9009**	**17.4321**	**16.5752**	**0.0269**		**0.9586**	**0.9586**		**0.9013**	**0.9013**	**0.0000**	**2,553.3639**	**2,553.3639**	**0.6160**		**2,568.7643**

3.4 Building Construction - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3432	10.6623	3.4821	0.0251	0.6277	0.0313	0.6590	0.1806	0.0300	0.2106		2,730.1027	2,730.1027	0.2015		2,735.1390
Worker	0.7881	0.5871	5.7761	0.0150	1.7178	0.0106	1.7284	0.4557	9.7600e-003	0.4655		1,493.6171	1,493.6171	0.0459		1,494.7650
Total	**1.1313**	**11.2494**	**9.2582**	**0.0401**	**2.3455**	**0.0419**	**2.3874**	**0.6363**	**0.0397**	**0.6761**		**4,223.7198**	**4,223.7198**	**0.2474**		**4,229.9040**

3.4 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322
Total	**1.7062**	**15.6156**	**16.3634**	**0.0269**		**0.8090**	**0.8090**		**0.7612**	**0.7612**		**2,554.3336**	**2,554.3336**	**0.6120**		**2,569.6322**

3.4 Building Construction - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3157	10.1233	3.2058	0.0248	0.6277	0.0275	0.6552	0.1806	0.0263	0.2069		2,707.3870	2,707.3870	0.2041		2,712.4888
Worker	0.7338	0.5246	5.2629	0.0145	1.7178	0.0103	1.7281	0.4557	9.4800e-003	0.4652		1,440.3354	1,440.3354	0.0409		1,441.3578
Total	**1.0495**	**10.6479**	**8.4687**	**0.0392**	**2.3455**	**0.0378**	**2.3833**	**0.6363**	**0.0358**	**0.6721**		**4,147.7224**	**4,147.7224**	**0.2450**		**4,153.8466**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322
Total	**1.7062**	**15.6156**	**16.3634**	**0.0269**		**0.8090**	**0.8090**		**0.7612**	**0.7612**	**0.0000**	**2,554.3336**	**2,554.3336**	**0.6120**		**2,569.6322**

3.4 Building Construction - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3157	10.1233	3.2058	0.0248	0.6277	0.0275	0.6552	0.1806	0.0263	0.2069		2,707.3870	2,707.3870	0.2041		2,712.4888
Worker	0.7338	0.5246	5.2629	0.0145	1.7178	0.0103	1.7281	0.4557	9.4800e-003	0.4652		1,440.3354	1,440.3354	0.0409		1,441.3578
Total	**1.0495**	**10.6479**	**8.4687**	**0.0392**	**2.3455**	**0.0378**	**2.3833**	**0.6363**	**0.0358**	**0.6721**		**4,147.7224**	**4,147.7224**	**0.2450**		**4,153.8466**

3.5 Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225		2,207.6603	2,207.6603	0.7140		2,225.5104
Paving	1.2327					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**2.3355**	**11.1249**	**14.5805**	**0.0228**		**0.5679**	**0.5679**		**0.5225**	**0.5225**		**2,207.6603**	**2,207.6603**	**0.7140**		**2,225.5104**

3.5 Paving - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0405	0.0289	0.2902	8.0000e-004	0.0947	5.7000e-004	0.0953	0.0251	5.2000e-004	0.0257		79.4303	79.4303	2.2600e-003		79.4866
Total	**0.0405**	**0.0289**	**0.2902**	**8.0000e-004**	**0.0947**	**5.7000e-004**	**0.0953**	**0.0251**	**5.2000e-004**	**0.0257**		**79.4303**	**79.4303**	**2.2600e-003**		**79.4866**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225	0.0000	2,207.6603	2,207.6603	0.7140		2,225.5104
Paving	1.2327					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**2.3355**	**11.1249**	**14.5805**	**0.0228**		**0.5679**	**0.5679**		**0.5225**	**0.5225**	**0.0000**	**2,207.6603**	**2,207.6603**	**0.7140**		**2,225.5104**

3.5 Paving - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0405	0.0289	0.2902	8.0000e-004	0.0947	5.7000e-004	0.0953	0.0251	5.2000e-004	0.0257		79.4303	79.4303	2.2600e-003		79.4866
Total	**0.0405**	**0.0289**	**0.2902**	**8.0000e-004**	**0.0947**	**5.7000e-004**	**0.0953**	**0.0251**	**5.2000e-004**	**0.0257**		**79.4303**	**79.4303**	**2.2600e-003**		**79.4866**

3.6 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	527.4630					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
Total	**527.6675**	**1.4085**	**1.8136**	**2.9700e-003**		**0.0817**	**0.0817**		**0.0817**	**0.0817**		**281.4481**	**281.4481**	**0.0183**		**281.9062**

3.6 Architectural Coating - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1457	0.1042	1.0449	2.8700e-003	0.3410	2.0400e-003	0.3431	0.0905	1.8800e-003	0.0924		285.9489	285.9489	8.1200e-003		286.1519
Total	**0.1457**	**0.1042**	**1.0449**	**2.8700e-003**	**0.3410**	**2.0400e-003**	**0.3431**	**0.0905**	**1.8800e-003**	**0.0924**		**285.9489**	**285.9489**	**8.1200e-003**		**286.1519**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	527.4630					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062
Total	**527.6675**	**1.4085**	**1.8136**	**2.9700e-003**		**0.0817**	**0.0817**		**0.0817**	**0.0817**	**0.0000**	**281.4481**	**281.4481**	**0.0183**		**281.9062**

3.6 Architectural Coating - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1457	0.1042	1.0449	2.8700e-003	0.3410	2.0400e-003	0.3431	0.0905	1.8800e-003	0.0924		285.9489	285.9489	8.1200e-003		286.1519
Total	**0.1457**	**0.1042**	**1.0449**	**2.8700e-003**	**0.3410**	**2.0400e-003**	**0.3431**	**0.0905**	**1.8800e-003**	**0.0924**		**285.9489**	**285.9489**	**8.1200e-003**		**286.1519**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	3.5933	30.7674	74.7497	0.2937	26.6145	0.2282	26.8427	7.1064	0.2138	7.3201		30,113.5432	30,113.5432	1.1933		30,143.3767
Unmitigated	3.5933	30.7674	74.7497	0.2937	26.6145	0.2282	26.8427	7.1064	0.2138	7.3201		30,113.5432	30,113.5432	1.1933		30,143.3767

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Parking Lot	0.00	0.00	0.00		
Refrigerated Warehouse-No Rail	1,379.20	1,379.20	1379.20	12,550,697	12,550,697
Total	1,379.20	1,379.20	1,379.20	12,550,697	12,550,697

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Parking Lot	6.60	5.50	6.40	0.00	0.00	0.00	0	0	0
Refrigerated Warehouse-No	25.00	0.00	0.00	100.00	0.00	0.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Parking Lot	0.563532	0.028682	0.205515	0.123285	0.020921	0.005572	0.017481	0.019425	0.002786	0.002265	0.006886	0.002647	0.001003
Refrigerated Warehouse-No Rail	0.423188	0.211594	0.211594	0.075362	0.000000	0.000000	0.034783	0.043478	0.000000	0.000000	0.000000	0.000000	0.000000

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

Install High Efficiency Lighting

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0474	0.4309	0.3620	2.5900e-003		0.0328	0.0328		0.0328	0.0328		517.0877	517.0877	9.9100e-003	9.4800e-003	520.1605
NaturalGas Unmitigated	0.0503	0.4573	0.3842	2.7400e-003		0.0348	0.0348		0.0348	0.0348		548.7993	548.7993	0.0105	0.0101	552.0606

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	4664.79	0.0503	0.4573	0.3842	2.7400e-003		0.0348	0.0348		0.0348	0.0348		548.7993	548.7993	0.0105	0.0101	552.0606
Total		**0.0503**	**0.4573**	**0.3842**	**2.7400e-003**		**0.0348**	**0.0348**		**0.0348**	**0.0348**		**548.7993**	**548.7993**	**0.0105**	**0.0101**	**552.0606**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	4.39525	0.0474	0.4309	0.3620	2.5900e-003		0.0328	0.0328		0.0328	0.0328		517.0877	517.0877	9.9100e-003	9.4800e-003	520.1605
Total		**0.0474**	**0.4309**	**0.3620**	**2.5900e-003**		**0.0328**	**0.0328**		**0.0328**	**0.0328**		**517.0877**	**517.0877**	**9.9100e-003**	**9.4800e-003**	**520.1605**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	12.5834	8.8000e-004	0.0967	1.0000e-005		3.5000e-004	3.5000e-004		3.5000e-004	3.5000e-004		0.2069	0.2069	5.5000e-004		0.2205
Unmitigated	12.5834	8.8000e-004	0.0967	1.0000e-005		3.5000e-004	3.5000e-004		3.5000e-004	3.5000e-004		0.2069	0.2069	5.5000e-004		0.2205

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	2.8902					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	9.6842					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	8.9900e-003	8.8000e-004	0.0967	1.0000e-005		3.5000e-004	3.5000e-004		3.5000e-004	3.5000e-004		0.2069	0.2069	5.5000e-004		0.2205
Total	**12.5834**	**8.8000e-004**	**0.0967**	**1.0000e-005**		**3.5000e-004**	**3.5000e-004**		**3.5000e-004**	**3.5000e-004**		**0.2069**	**0.2069**	**5.5000e-004**		**0.2205**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	2.8902					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	9.6842					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	8.9900e-003	8.8000e-004	0.0967	1.0000e-005		3.5000e-004	3.5000e-004		3.5000e-004	3.5000e-004		0.2069	0.2069	5.5000e-004		0.2205
Total	**12.5834**	**8.8000e-004**	**0.0967**	**1.0000e-005**		**3.5000e-004**	**3.5000e-004**		**3.5000e-004**	**3.5000e-004**		**0.2069**	**0.2069**	**5.5000e-004**		**0.2205**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
Forklifts	4	24.00	365	89	0.20	CNG

UnMitigated/Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	lb/day										lb/day					
Forklifts	1.3632	12.6588	13.8450	0.0183		0.8386	0.8386		0.7715	0.7715		1,776.3700	1,776.3700	0.5745		1,790.7328
Total	**1.3632**	**12.6588**	**13.8450**	**0.0183**		**0.8386**	**0.8386**		**0.7715**	**0.7715**		**1,776.3700**	**1,776.3700**	**0.5745**		**1,790.7328**

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Fire Pump	1	2	50	351	0.73	Diesel

Boilers

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

User Defined Equipment

Equipment Type	Number

10.1 Stationary Sources

Unmitigated/Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	lb/day										lb/day					
Fire Pump - Diesel (300 - 600 HP)	1.1519	3.2199	2.9374	5.5400e-003		0.1695	0.1695		0.1695	0.1695		589.3389	589.3389	0.0826		591.4046
Total	**1.1519**	**3.2199**	**2.9374**	**5.5400e-003**		**0.1695**	**0.1695**		**0.1695**	**0.1695**		**589.3389**	**589.3389**	**0.0826**		**591.4046**

11.0 Vegetation

Arctic Cold Storage and Packing Project

Santa Barbara-North of Santa Ynez County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Refrigerated Warehouse-No Rail	449.25	1000sqft	10.31	449,248.00	0
Parking Lot	496.00	Space	9.41	198,400.00	0

1.2 Other Project Characteristics

Urbanization	Rural	**Wind Speed (m/s)**	3.1	**Precipitation Freq (Days)**	37
Climate Zone	4			**Operational Year**	2022
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	328.8	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Arctic Cold Storage and Packing Project - Santa Barbara-North of Santa Ynez County, Winter

Project Characteristics - CO2 intensity per 5-year average (PG&E 2015)

Land Use - Approximately 19.72 acres of the project area will consist of impervious surface (structures and paving).

Construction Phase - Construction is expected to begin January 18, 2021 and end February 2, 2022.

Grading - The proposed would include 64,876 cubic yards of cut and 50,311 cubic yards of fill, and would result in approximately 14,565 cubic yards of net cut.

Vehicle Trips - Based on trip generation and vehicle miles traveled prepared for the proposed project

Energy Use - Based on project's estimated energy usage

Water And Wastewater - Indoor and outdoor water use based on project's estimated water usage

Construction Off-road Equipment Mitigation - Compliance with SBCAPCD standard dust control measures

Energy Mitigation - Assuming compliance with 2019 Title 24 standards and use of LED lighting throughout facility

Waste Mitigation -

Operational Off-Road Equipment - The project would utilize four propane forklifts. CNG was chosen as the closest representative fuel type.

Fleet Mix - Fleet trip percentages based on 1,168 employee trips and 212 truck trips

Stationary Sources - Emergency Generators and Fire Pumps - The project would have a diesel fire pump system

Stationary Sources - Process Boilers -

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	300.00	228.00
tblConstructionPhase	NumDays	30.00	35.00
tblEnergyUse	LightingElect	1.62	13.14
tblEnergyUse	NT24E	7.99	64.82
tblEnergyUse	T24E	0.14	1.14
tblFleetMix	HHD	0.02	0.04
tblFleetMix	LDA	0.56	0.42
tblFleetMix	LDT1	0.03	0.21
tblFleetMix	LDT2	0.21	0.21
tblFleetMix	LHD1	0.02	0.00

tblFleetMix	LHD2	5.5720e-003	0.00
tblFleetMix	MCY	6.8860e-003	0.00
tblFleetMix	MDV	0.12	0.08
tblFleetMix	MH	1.0030e-003	0.00
tblFleetMix	MHD	0.02	0.03
tblFleetMix	OBUS	2.7860e-003	0.00
tblFleetMix	SBUS	2.6470e-003	0.00
tblFleetMix	UBUS	2.2650e-003	0.00
tblGrading	AcresOfGrading	87.50	19.72
tblGrading	MaterialExported	0.00	14,565.00
tblLandUse	LandUseSquareFeet	449,250.00	449,248.00
tblLandUse	LotAcreage	4.46	9.41
tblOperationalOffRoadEquipment	OperDaysPerYear	260.00	365.00
tblOperationalOffRoadEquipment	OperFuelType	Diesel	CNG
tblOperationalOffRoadEquipment	OperHoursPerDay	8.00	24.00
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	4.00
tblProjectCharacteristics	CO2IntensityFactor	641.35	328.8
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblStationaryGeneratorsPumpsEF	CH4_EF	0.07	0.07
tblStationaryGeneratorsPumpsEF	ROG_EF	2.2480e-003	2.2477e-003
tblStationaryGeneratorsPumpsUse	HorsePowerValue	0.00	351.00
tblStationaryGeneratorsPumpsUse	HoursPerDay	0.00	2.00
tblStationaryGeneratorsPumpsUse	HoursPerYear	0.00	50.00
tblStationaryGeneratorsPumpsUse	NumberOfEquipment	0.00	1.00
tblVehicleTrips	CC_TL	5.50	0.00
tblVehicleTrips	CNW_TL	6.40	0.00
tblVehicleTrips	CNW_TTP	41.00	0.00

tblVehicleTrips	CW_TL	6.60	25.00
tblVehicleTrips	CW_TTP	59.00	100.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	ST_TR	1.68	3.07
tblVehicleTrips	SU_TR	1.68	3.07
tblVehicleTrips	WD_TR	1.68	3.07
tblWater	IndoorWaterUseRate	103,889,062.50	82,968,167.10
tblWater	OutdoorWaterUseRate	0.00	1,013,396.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	4.6608	60.8406	35.8550	0.1024	18.1799	2.0452	20.2251	9.9608	1.8822	11.8424	0.0000	10,511.6620	10,511.6620	2.3764	0.0000	10,571.0714
2022	533.0841	38.9770	43.1115	0.0946	2.7813	1.5005	4.2818	0.7519	1.4049	2.1569	0.0000	9,450.0235	9,450.0235	1.6091	0.0000	9,490.2517
Maximum	**533.0841**	**60.8406**	**43.1115**	**0.1024**	**18.1799**	**2.0452**	**20.2251**	**9.9608**	**1.8822**	**11.8424**	**0.0000**	**10,511.6620**	**10,511.6620**	**2.3764**	**0.0000**	**10,571.0714**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	4.6608	60.8406	35.8550	0.1024	8.2435	2.0452	10.2887	4.4990	1.8822	6.3805	0.0000	10,511.6620	10,511.6620	2.3764	0.0000	10,571.0714
2022	533.0841	38.9770	43.1115	0.0946	2.7813	1.5005	4.2818	0.7519	1.4049	2.1569	0.0000	9,450.0235	9,450.0235	1.6091	0.0000	9,490.2517
Maximum	**533.0841**	**60.8406**	**43.1115**	**0.1024**	**8.2435**	**2.0452**	**10.2887**	**4.4990**	**1.8822**	**6.3805**	**0.0000**	**10,511.6620**	**10,511.6620**	**2.3764**	**0.0000**	**10,571.0714**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**47.40**	**0.00**	**40.55**	**50.98**	**0.00**	**39.02**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	12.5834	8.8000e-004	0.0967	1.0000e-005		3.5000e-004	3.5000e-004		3.5000e-004	3.5000e-004		0.2069	0.2069	5.5000e-004		0.2205
Energy	0.0503	0.4573	0.3842	2.7400e-003		0.0348	0.0348		0.0348	0.0348		548.7993	548.7993	0.0105	0.0101	552.0606
Mobile	3.5171	32.0474	74.4398	0.2882	26.6145	0.2298	26.8443	7.1064	0.2154	7.3217		29,554.6877	29,554.6877	1.1906		29,584.4534
Offroad	1.3632	12.6588	13.8450	0.0183		0.8386	0.8386		0.7715	0.7715		1,776.3700	1,776.3700	0.5745		1,790.7328
Stationary	1.1519	3.2199	2.9374	5.5400e-003		0.1695	0.1695		0.1695	0.1695		589.3389	589.3389	0.0826		591.4046
Total	**18.6658**	**48.3843**	**91.7030**	**0.3148**	**26.6145**	**1.2730**	**27.8874**	**7.1064**	**1.1914**	**8.2978**		**32,469.4028**	**32,469.4028**	**1.8588**	**0.0101**	**32,518.8719**

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	12.5834	8.8000e-004	0.0967	1.0000e-005		3.5000e-004	3.5000e-004		3.5000e-004	3.5000e-004		0.2069	0.2069	5.5000e-004		0.2205
Energy	0.0474	0.4309	0.3620	2.5900e-003		0.0328	0.0328		0.0328	0.0328		517.0877	517.0877	9.9100e-003	9.4800e-003	520.1605
Mobile	3.5171	32.0474	74.4398	0.2882	26.6145	0.2298	26.8443	7.1064	0.2154	7.3217		29,554.6877	29,554.6877	1.1906		29,584.4534
Offroad	1.3632	12.6588	13.8450	0.0183		0.8386	0.8386		0.7715	0.7715		1,776.3700	1,776.3700	0.5745		1,790.7328
Stationary	1.1519	3.2199	2.9374	5.5400e-003		0.1695	0.1695		0.1695	0.1695		589.3389	589.3389	0.0826		591.4046
Total	**18.6629**	**48.3579**	**91.6808**	**0.3147**	**26.6145**	**1.2710**	**27.8854**	**7.1064**	**1.1894**	**8.2958**		**32,437.6912**	**32,437.6912**	**1.8582**	**9.4800e-003**	**32,486.9718**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.02**	**0.05**	**0.02**	**0.05**	**0.00**	**0.16**	**0.01**	**0.00**	**0.17**	**0.02**	**0.00**	**0.10**	**0.10**	**0.03**	**5.77**	**0.10**

3.0 Construction Detail

Construction Phase

Arctic Cold Storage and Packing Project - Santa Barbara-North of Santa Ynez County, Winter

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	1/18/2021	1/29/2021	5	10	
2	Grading	Grading	1/30/2021	3/19/2021	5	35	
3	Building Construction	Building Construction	3/22/2021	2/2/2022	5	228	
4	Paving	Paving	1/6/2022	2/2/2022	5	20	
5	Architectural Coating	Architectural Coating	1/6/2022	2/2/2022	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 19.72

Acres of Paving: 9.41

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 673,872; Non-Residential Outdoor: 224,624; Striped Parking Area: 11,904 (Architectural Coating – sqft)

OffRoad Equipment

Arctic Cold Storage and Packing Project - Santa Barbara-North of Santa Ynez County, Winter

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	0.00	8.30	6.40	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	1,821.00	8.30	6.40	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	272.00	106.00	0.00	8.30	6.40	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	8.30	6.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	54.00	0.00	0.00	8.30	6.40	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Site Preparation - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	3.8882	40.4971	21.1543	0.0380		2.0445	2.0445		1.8809	1.8809		3,685.6569	3,685.6569	1.1920		3,715.4573
Total	**3.8882**	**40.4971**	**21.1543**	**0.0380**	**18.0663**	**2.0445**	**20.1107**	**9.9307**	**1.8809**	**11.8116**		**3,685.6569**	**3,685.6569**	**1.1920**		**3,715.4573**

3.2 Site Preparation - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0589	0.0444	0.3961	9.7000e-004	0.1137	7.0000e-004	0.1144	0.0302	6.5000e-004	0.0308		96.5566	96.5566	3.0400e-003		96.6327
Total	**0.0589**	**0.0444**	**0.3961**	**9.7000e-004**	**0.1137**	**7.0000e-004**	**0.1144**	**0.0302**	**6.5000e-004**	**0.0308**		**96.5566**	**96.5566**	**3.0400e-003**		**96.6327**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.1298	0.0000	8.1298	4.4688	0.0000	4.4688			0.0000			0.0000
Off-Road	3.8882	40.4971	21.1543	0.0380		2.0445	2.0445		1.8809	1.8809	0.0000	3,685.6569	3,685.6569	1.1920		3,715.4573
Total	**3.8882**	**40.4971**	**21.1543**	**0.0380**	**8.1298**	**2.0445**	**10.1743**	**4.4688**	**1.8809**	**6.3497**	**0.0000**	**3,685.6569**	**3,685.6569**	**1.1920**		**3,715.4573**

3.2 Site Preparation - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0589	0.0444	0.3961	9.7000e-004	0.1137	7.0000e-004	0.1144	0.0302	6.5000e-004	0.0308		96.5566	96.5566	3.0400e-003		96.6327
Total	**0.0589**	**0.0444**	**0.3961**	**9.7000e-004**	**0.1137**	**7.0000e-004**	**0.1144**	**0.0302**	**6.5000e-004**	**0.0308**		**96.5566**	**96.5566**	**3.0400e-003**		**96.6327**

3.3 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.6931	0.0000	6.6931	3.3859	0.0000	3.3859			0.0000			0.0000
Off-Road	4.1912	46.3998	30.8785	0.0620		1.9853	1.9853		1.8265	1.8265		6,007.0434	6,007.0434	1.9428		6,055.6134
Total	**4.1912**	**46.3998**	**30.8785**	**0.0620**	**6.6931**	**1.9853**	**8.6784**	**3.3859**	**1.8265**	**5.2124**		**6,007.0434**	**6,007.0434**	**1.9428**		**6,055.6134**

3.3 Grading - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.4043	14.3914	4.5364	0.0393	0.9038	0.0575	0.9613	0.2473	0.0550	0.3022		4,397.3334	4,397.3334	0.4302		4,408.0883
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0654	0.0494	0.4402	1.0800e-003	0.1263	7.8000e-004	0.1271	0.0335	7.2000e-004	0.0342		107.2851	107.2851	3.3800e-003		107.3697
Total	**0.4697**	**14.4408**	**4.9765**	**0.0404**	**1.0301**	**0.0583**	**1.0884**	**0.2808**	**0.0557**	**0.3365**		**4,504.6185**	**4,504.6185**	**0.4336**		**4,515.4580**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.0119	0.0000	3.0119	1.5236	0.0000	1.5236			0.0000			0.0000
Off-Road	4.1912	46.3998	30.8785	0.0620		1.9853	1.9853		1.8265	1.8265	0.0000	6,007.0434	6,007.0434	1.9428		6,055.6134
Total	**4.1912**	**46.3998**	**30.8785**	**0.0620**	**3.0119**	**1.9853**	**4.9972**	**1.5236**	**1.8265**	**3.3502**	**0.0000**	**6,007.0434**	**6,007.0434**	**1.9428**		**6,055.6134**

3.3 Grading - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.4043	14.3914	4.5364	0.0393	0.9038	0.0575	0.9613	0.2473	0.0550	0.3022		4,397.3334	4,397.3334	0.4302		4,408.0883
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0654	0.0494	0.4402	1.0800e-003	0.1263	7.8000e-004	0.1271	0.0335	7.2000e-004	0.0342		107.2851	107.2851	3.3800e-003		107.3697
Total	**0.4697**	**14.4408**	**4.9765**	**0.0404**	**1.0301**	**0.0583**	**1.0884**	**0.2808**	**0.0557**	**0.3365**		**4,504.6185**	**4,504.6185**	**0.4336**		**4,515.4580**

3.4 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643
Total	**1.9009**	**17.4321**	**16.5752**	**0.0269**		**0.9586**	**0.9586**		**0.9013**	**0.9013**		**2,553.3639**	**2,553.3639**	**0.6160**		**2,568.7643**

3.4 Building Construction - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3637	10.6201	3.8341	0.0245	0.6277	0.0329	0.6606	0.1806	0.0315	0.2121		2,665.6716	2,665.6716	0.2108		2,670.9412
Worker	0.8895	0.6716	5.9861	0.0147	1.7178	0.0106	1.7284	0.4557	9.7600e-003	0.4655		1,459.0777	1,459.0777	0.0460		1,460.2280
Total	**1.2532**	**11.2917**	**9.8202**	**0.0391**	**2.3455**	**0.0435**	**2.3890**	**0.6363**	**0.0413**	**0.6776**		**4,124.7493**	**4,124.7493**	**0.2568**		**4,131.1692**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643
Total	**1.9009**	**17.4321**	**16.5752**	**0.0269**		**0.9586**	**0.9586**		**0.9013**	**0.9013**	**0.0000**	**2,553.3639**	**2,553.3639**	**0.6160**		**2,568.7643**

3.4 Building Construction - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3637	10.6201	3.8341	0.0245	0.6277	0.0329	0.6606	0.1806	0.0315	0.2121		2,665.6716	2,665.6716	0.2108		2,670.9412
Worker	0.8895	0.6716	5.9861	0.0147	1.7178	0.0106	1.7284	0.4557	9.7600e-003	0.4655		1,459.0777	1,459.0777	0.0460		1,460.2280
Total	**1.2532**	**11.2917**	**9.8202**	**0.0391**	**2.3455**	**0.0435**	**2.3890**	**0.6363**	**0.0413**	**0.6776**		**4,124.7493**	**4,124.7493**	**0.2568**		**4,131.1692**

3.4 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322
Total	**1.7062**	**15.6156**	**16.3634**	**0.0269**		**0.8090**	**0.8090**		**0.7612**	**0.7612**		**2,554.3336**	**2,554.3336**	**0.6120**		**2,569.6322**

3.4 Building Construction - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3346	10.0758	3.5336	0.0242	0.6277	0.0290	0.6567	0.1806	0.0277	0.2083		2,642.6065	2,642.6065	0.2136		2,647.9468
Worker	0.8296	0.6000	5.4403	0.0141	1.7178	0.0103	1.7281	0.4557	9.4800e-003	0.4652		1,407.0416	1,407.0416	0.0409		1,408.0636
Total	**1.1643**	**10.6758**	**8.9739**	**0.0383**	**2.3455**	**0.0392**	**2.3847**	**0.6363**	**0.0372**	**0.6735**		**4,049.6482**	**4,049.6482**	**0.2545**		**4,056.0104**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322
Total	**1.7062**	**15.6156**	**16.3634**	**0.0269**		**0.8090**	**0.8090**		**0.7612**	**0.7612**	**0.0000**	**2,554.3336**	**2,554.3336**	**0.6120**		**2,569.6322**

3.4 Building Construction - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3346	10.0758	3.5336	0.0242	0.6277	0.0290	0.6567	0.1806	0.0277	0.2083		2,642.6065	2,642.6065	0.2136		2,647.9468
Worker	0.8296	0.6000	5.4403	0.0141	1.7178	0.0103	1.7281	0.4557	9.4800e-003	0.4652		1,407.0416	1,407.0416	0.0409		1,408.0636
Total	**1.1643**	**10.6758**	**8.9739**	**0.0383**	**2.3455**	**0.0392**	**2.3847**	**0.6363**	**0.0372**	**0.6735**		**4,049.6482**	**4,049.6482**	**0.2545**		**4,056.0104**

3.5 Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225		2,207.6603	2,207.6603	0.7140		2,225.5104
Paving	1.2327					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**2.3355**	**11.1249**	**14.5805**	**0.0228**		**0.5679**	**0.5679**		**0.5225**	**0.5225**		**2,207.6603**	**2,207.6603**	**0.7140**		**2,225.5104**

3.5 Paving - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0458	0.0331	0.3000	7.8000e-004	0.0947	5.7000e-004	0.0953	0.0251	5.2000e-004	0.0257		77.5942	77.5942	2.2500e-003		77.6506
Total	**0.0458**	**0.0331**	**0.3000**	**7.8000e-004**	**0.0947**	**5.7000e-004**	**0.0953**	**0.0251**	**5.2000e-004**	**0.0257**		**77.5942**	**77.5942**	**2.2500e-003**		**77.6506**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225	0.0000	2,207.6603	2,207.6603	0.7140		2,225.5104
Paving	1.2327					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**2.3355**	**11.1249**	**14.5805**	**0.0228**		**0.5679**	**0.5679**		**0.5225**	**0.5225**	**0.0000**	**2,207.6603**	**2,207.6603**	**0.7140**		**2,225.5104**

3.5 Paving - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0458	0.0331	0.3000	7.8000e-004	0.0947	5.7000e-004	0.0953	0.0251	5.2000e-004	0.0257		77.5942	77.5942	2.2500e-003		77.6506
Total	**0.0458**	**0.0331**	**0.3000**	**7.8000e-004**	**0.0947**	**5.7000e-004**	**0.0953**	**0.0251**	**5.2000e-004**	**0.0257**		**77.5942**	**77.5942**	**2.2500e-003**		**77.6506**

3.6 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	527.4630					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
Total	**527.6675**	**1.4085**	**1.8136**	**2.9700e-003**		**0.0817**	**0.0817**		**0.0817**	**0.0817**		**281.4481**	**281.4481**	**0.0183**		**281.9062**

3.6 Architectural Coating - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1647	0.1191	1.0801	2.8100e-003	0.3410	2.0400e-003	0.3431	0.0905	1.8800e-003	0.0924		279.3392	279.3392	8.1200e-003		279.5420
Total	**0.1647**	**0.1191**	**1.0801**	**2.8100e-003**	**0.3410**	**2.0400e-003**	**0.3431**	**0.0905**	**1.8800e-003**	**0.0924**		**279.3392**	**279.3392**	**8.1200e-003**		**279.5420**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	527.4630					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062
Total	**527.6675**	**1.4085**	**1.8136**	**2.9700e-003**		**0.0817**	**0.0817**		**0.0817**	**0.0817**	**0.0000**	**281.4481**	**281.4481**	**0.0183**		**281.9062**

3.6 Architectural Coating - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1647	0.1191	1.0801	2.8100e-003	0.3410	2.0400e-003	0.3431	0.0905	1.8800e-003	0.0924		279.3392	279.3392	8.1200e-003		279.5420
Total	**0.1647**	**0.1191**	**1.0801**	**2.8100e-003**	**0.3410**	**2.0400e-003**	**0.3431**	**0.0905**	**1.8800e-003**	**0.0924**		**279.3392**	**279.3392**	**8.1200e-003**		**279.5420**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	3.5171	32.0474	74.4398	0.2882	26.6145	0.2298	26.8443	7.1064	0.2154	7.3217		29,554.6877	29,554.6877	1.1906		29,584.4534
Unmitigated	3.5171	32.0474	74.4398	0.2882	26.6145	0.2298	26.8443	7.1064	0.2154	7.3217		29,554.6877	29,554.6877	1.1906		29,584.4534

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Parking Lot	0.00	0.00	0.00		
Refrigerated Warehouse-No Rail	1,379.20	1,379.20	1379.20	12,550,697	12,550,697
Total	1,379.20	1,379.20	1,379.20	12,550,697	12,550,697

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Parking Lot	6.60	5.50	6.40	0.00	0.00	0.00	0	0	0
Refrigerated Warehouse-No	25.00	0.00	0.00	100.00	0.00	0.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Parking Lot	0.563532	0.028682	0.205515	0.123285	0.020921	0.005572	0.017481	0.019425	0.002786	0.002265	0.006886	0.002647	0.001003
Refrigerated Warehouse-No Rail	0.423188	0.211594	0.211594	0.075362	0.000000	0.000000	0.034783	0.043478	0.000000	0.000000	0.000000	0.000000	0.000000

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

Install High Efficiency Lighting

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0474	0.4309	0.3620	2.5900e-003		0.0328	0.0328		0.0328	0.0328		517.0877	517.0877	9.9100e-003	9.4800e-003	520.1605
NaturalGas Unmitigated	0.0503	0.4573	0.3842	2.7400e-003		0.0348	0.0348		0.0348	0.0348		548.7993	548.7993	0.0105	0.0101	552.0606

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	4664.79	0.0503	0.4573	0.3842	2.7400e-003		0.0348	0.0348		0.0348	0.0348		548.7993	548.7993	0.0105	0.0101	552.0606
Total		**0.0503**	**0.4573**	**0.3842**	**2.7400e-003**		**0.0348**	**0.0348**		**0.0348**	**0.0348**		**548.7993**	**548.7993**	**0.0105**	**0.0101**	**552.0606**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	4.39525	0.0474	0.4309	0.3620	2.5900e-003		0.0328	0.0328		0.0328	0.0328		517.0877	517.0877	9.9100e-003	9.4800e-003	520.1605
Total		**0.0474**	**0.4309**	**0.3620**	**2.5900e-003**		**0.0328**	**0.0328**		**0.0328**	**0.0328**		**517.0877**	**517.0877**	**9.9100e-003**	**9.4800e-003**	**520.1605**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	12.5834	8.8000e-004	0.0967	1.0000e-005		3.5000e-004	3.5000e-004		3.5000e-004	3.5000e-004		0.2069	0.2069	5.5000e-004		0.2205
Unmitigated	12.5834	8.8000e-004	0.0967	1.0000e-005		3.5000e-004	3.5000e-004		3.5000e-004	3.5000e-004		0.2069	0.2069	5.5000e-004		0.2205

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	2.8902					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	9.6842					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	8.9900e-003	8.8000e-004	0.0967	1.0000e-005		3.5000e-004	3.5000e-004		3.5000e-004	3.5000e-004		0.2069	0.2069	5.5000e-004		0.2205
Total	**12.5834**	**8.8000e-004**	**0.0967**	**1.0000e-005**		**3.5000e-004**	**3.5000e-004**		**3.5000e-004**	**3.5000e-004**		**0.2069**	**0.2069**	**5.5000e-004**		**0.2205**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	2.8902					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	9.6842					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	8.9900e-003	8.8000e-004	0.0967	1.0000e-005		3.5000e-004	3.5000e-004		3.5000e-004	3.5000e-004		0.2069	0.2069	5.5000e-004		0.2205
Total	**12.5834**	**8.8000e-004**	**0.0967**	**1.0000e-005**		**3.5000e-004**	**3.5000e-004**		**3.5000e-004**	**3.5000e-004**		**0.2069**	**0.2069**	**5.5000e-004**		**0.2205**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
Forklifts	4	24.00	365	89	0.20	CNG

UnMitigated/Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	lb/day										lb/day					
Forklifts	1.3632	12.6588	13.8450	0.0183		0.8386	0.8386		0.7715	0.7715		1,776.3700	1,776.3700	0.5745		1,790.7328
Total	**1.3632**	**12.6588**	**13.8450**	**0.0183**		**0.8386**	**0.8386**		**0.7715**	**0.7715**		**1,776.3700**	**1,776.3700**	**0.5745**		**1,790.7328**

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Fire Pump	1	2	50	351	0.73	Diesel

Boilers

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

User Defined Equipment

Equipment Type	Number

10.1 Stationary Sources

Unmitigated/Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	lb/day										lb/day					
Fire Pump - Diesel (300 - 600 HP)	1.1519	3.2199	2.9374	5.5400e-003		0.1695	0.1695		0.1695	0.1695		589.3389	589.3389	0.0826		591.4046
Total	**1.1519**	**3.2199**	**2.9374**	**5.5400e-003**		**0.1695**	**0.1695**		**0.1695**	**0.1695**		**589.3389**	**589.3389**	**0.0826**		**591.4046**

11.0 Vegetation

ATTACHMENT B

MOBILE SOURCE EMISSIONS ESTIMATES

Peak Harvest Season Trucks					
Building Area & Use	**Truck Type**	**Trucks Per Day**	**ADT**	**AM Peak (6-7 AM)**	**PM Peak (5-6 PM)**
Warehouse	Semi-Trucks(a)	30	60	3	4
Processing	Semi-Trucks(a)	30	60	6	6
	Field Trucks(a)	46	276	28	28
Subtotal		76	336	34	34
Total Trucks		*106*	*396*	*37*	*38*

(a) ADT assumes 1 inbound + 1 outbound trip per truck. Peak hour trips based on operational data for arrival and departure times.

Field Truck/Vans Trip Distribution %			**Estimated Origin/ Destination**	**Estimated Average One-Way Trip Length**
US 101	North	50%	SLO & Monterey Counties (a)	150 Miles
	South	25%	SB County	40 Miles
Betteravia Rd	East	10%	Local	10 Miles
	West	15%	Local	5 Miles
Warehouse Truck Trip Distribution %			**Estimated Origin/Destination**	**Estimated Average One-Way Trip Length**
US 101	North	50%	Northern California (b)	300 Miles
	South	50%	Southern California/Baja (c)	150 Miles

(a) Assumes 20% from SLO County and 30% from Monterey County

(b) Assumes median trip length between Project site and Crescent City

(c) Assumes median trip length between Project site and Tijuana

Total VMT		**ADT**	% Distrubution		Miles	Total VMT	
Warehouse	Semi-Trucks	60	North	50%	300	9000	150
			South	50%	150	4500	75
Processing	Semi-Trucks and Field Trucks	336	North	50%	150	25200	75
			South	25%	40	3360	10
			East	10%	10	336	1
			West	15%	5	252	0.75
Employees	Cars	1246		100%	6.6	8223.6	6.6
Total Miles						50872	
Average Trip Length (total miles/ADT)						36.86347826	

Fleet Mix		**Vehicle Class**	**ADT**	**% of ADT**		
Employees	Cars	LDA	1246	50%	623	0.379415347
		LDT1		25%	311.5	0.189707674
		LDT2		25%	311.5	0.189707674
Warehouse	Semi-Trucks	T7 Tractor Construction	60	100%	60	0.036540804
Processing	Semi-Trucks	MDV	60	100%	60	0.036540804
	Field Trucks	T6 Ag	276	100%	276	0.168087698
Total Trips					1642	

Non-Harvest Season Trucks					
Building Area & Use	**Truck Type**	**Trucks Per Day**	**ADT**	**AM Peak (6-7 AM)**	**PM Peak (5-6 PM)**
Warehouse	Semi-Trucks(a)	30	60	3	4
Processing	Semi-Trucks(a)	8	16	2	2
	Field Trucks(a)	12	72	7	7
Subtotal		20	88	9	9
Total Trucks			*148*	*12*	*13*

(a) ADT assumes 1 inbound + 1 outbound trip per truck. Peak hour trips based on operational data for arrival and departure times.

Field Truck/Vans Trip Distribution %			**Estimated Origin/ Destination**	**Estimated Average One-Way Trip Length**
US 101	North	50%	SLO & Monterey Counties (a)	150 Miles
	South	25%	SB County	40 Miles
Betteravia Rd	East	10%	Local	10 Miles
	West	15%	Local	5 Miles
Warehouse Truck Trip Distribution %			**Estimated Origin/Destination**	**Estimated Average One-Way Trip Length**
US 101	North	50%	Northern California (b)	300 Miles
	South	50%	Southern California/Baja (c)	150 Miles

(a) Assumes 20% from SLO County and 30% from Monterey County

(b) Assumes median trip length between Project site and Crescent City

(c) Assumes median trip length between Project site and Tijuana

Total VMT		**ADT**	% Distrubution		Miles	Total VMT
Warehouse	Semi-Trucks	60	North	50%	300	9000
			South	50%	150	4500
Processing	Semi-Trucks and Field Trucks	88	North	50%	150	6600
			South	25%	40	880
			East	10%	10	88
			West	15%	5	66
Employees	Cars	306		100%	6.6	2019.6
Total Miles						23154
Average Trip Length (total miles/ADT)						16.77797

Fleet Mix		**Vehicle Class**	**ADT**	**% of ADT**		
Employees	Cars	LDA	306	50%	153	0.337004
		LDT1		25%	76.5	0.168502
		LDT2		25%	76.5	0.168502
Warehouse	Semi-Trucks	T7 Tractor Construction	60	100%	60	0.132159
Processing	Semi-Trucks	MDV	16	100%	16	0.035242
	Field Trucks	T6 Ag	72	100%	72	0.15859
Total Trips					454	

Non-Harvest

Fleet Mix		Vehicle Class	ADT	% of ADT			ADT	% of ADT		
Employees	Cars	LDA	306	0.5	153	0.369792	697.6667	0.5	348.8333	0.36758
		LDT1		0.25	76.5	0.184896		0.25	174.4167	0.18379
		LDT2		0.25	76.5	0.184896		0.25	174.4167	0.18379
Warehouse	Semi-Trucks	T7 Tractor Construction	60	1	60	0.15625	60	1	60	0.063224
Processing	Semi-Trucks	MDV	16	1	16	0.052083	34.33333	1	34.33333	0.036178
	Field Trucks	T6 Ag	72	1	72	0.052083	157	1	157	0.165437
Total Trips					454					
							949		949	

Harvest

Fleet Mix		Vehicle Class	ADT	% of ADT		
Employees	Cars	LDA	1246	0.5	623	0.423188
		LDT1		0.25	311.5	0.211594
		LDT2		0.25	311.5	0.211594
Warehouse	Semi-Trucks	T7 Tractor Construction	60	1	60	0.043478
Processing	Semi-Trucks	MDV	60	1	60	0.075362
	Field Trucks	T6 Ag	276	1	276	0.034783
Total Trips					1642	

										Lbs/Day											MT/Day		
Process	**Vehicle Type**	**Miles/Trip**	**# Vehicles**	**EMFAC 2011**	**ADT**	**% by Type**	**Fuel Type**	**% by Fuel Type**	**Total Miles**	**NOx**	**PM2.5**	**PM2.5 (TW/BW)**	**PM10**	**PM10 (TW/BW)**	**ROG**	**TOG**	**CO**	**SOx**		**CO_2**	**CH_4**	**N_2O**
Warehouse	Semi-Trucks	225.0	30	T7 Tractor Construction	60	100%	GAS	0%	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00E+00	0.00
							DSL	100%	13,500	173.91	1.35	1.06	1.42	2.91	6.41	7.30	26.61	0.52		24.76	1.35E-04	0.00
							NG	0%	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00E+00	0.00
							ELEC															
Processing	Semi-Trucks and Field Trucks	86.8	30	MDV	60	100%	GAS	0%	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00E+00	0.00
							DSL	100%	5,205	0.65	0.06	0.20	0.06	0.51	0.12	0.14	2.11	0.04		1.87	2.62E-06	0.00
							NG															
							ELEC	0%	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00E+00	0.00
			46	T6 Ag	276	100%	GAS	0%	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00E+00	0.00
							DSL	100%	23,943	474.35	16.43	3.11	17.17	7.51	31.46	35.82	76.59	0.54		25.85	6.63E-04	0.00
							NG	0%	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00E+00	0.00
							ELEC															
Employees	Cars	6.6	623	LDA	1246	50%	GAS	50%	2,056	0.52	0.01	0.08	0.01	0.20	1.12	1.18	6.37	0.01		0.56	4.39E-05	0.00
							DSL	25%	1,028	0.23	0.02	0.04	0.02	0.10	0.03	0.04	0.47	0.00		0.21	7.05E-07	0.00
							NG															
							ELEC	25%	1,028	0.00	0.00	0.04	0.00	0.10	0.01	0.01	0.00	0.00		0.00	0.00E+00	0.00
				LDT1		25%	GAS	50%	1,028	0.54	0.01	0.04	0.01	0.10	1.68	1.74	5.58	0.01		0.35	4.77E-05	0.00
							DSL	25%	514	1.70	0.18	0.02	0.19	0.05	0.24	0.31	1.53	0.00		0.21	5.02E-06	0.00
							NG															
							ELEC	0%	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00E+00	0.00
				LDT2		25%	GAS	50%	1,028	0.90	0.01	0.04	0.01	0.10	2.12	2.21	7.08	0.01		0.39	6.59E-05	0.00
							DSL	25%	514	0.06	0.01	0.02	0.01	0.05	0.02	0.02	0.14	0.00		0.14	3.32E-07	0.00
							NG															
							ELEC	25%	514	0.00	0.00	0.02	0.00	0.05	0.00	0.00	0.00	0.00		0.00	0.00E+00	0.00
									Total	652.86	18.06	4.67	18.88	11.70	43.23	48.77	126.48	1.13		54.34	9.64E-04	0.01
											PM 2.5 Total	22.73	PM 10 Total	30.58								0.024107133	2.51092
																					10573.6	3.78E+00	487.088
																					CO2e Total	11064.46709	

										Lbs/Day											MT/Day		
Process	**Vehicle Type**	**Miles/Trip**	**# Vehicles**	**EMFAC 2011**	**ADT**	**% by Type**	**Fuel Type**	**% by Fuel Type**	**Total Miles**	**NOx**	**PM2.5**	**PM2.5 (TW/BW)**	**PM10**	**PM10 (TW/BW)**	**ROG**	**TOG**	**CO**	**SOx**		**CO_2**	**CH_4**	**N_2O**
Warehouse	Semi-Trucks	225.0	30	T7 Tractor Construction	60	100%	GAS	0%	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00E+00	0.00
							DSL	100%	13,500	173.91	1.35	1.06	1.42	2.91	6.41	7.30	26.61	0.52		24.76	1.35E-04	0.00
							NG	0%	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00E+00	0.00
							ELEC															
Processing	Vans and Field Trucks	86.8	8	MDV	16	100%	GAS	0%	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00E+00	0.00
							DSL	100%	1,388	0.17	0.02	0.05	0.02	0.14	0.03	0.04	0.56	0.01		0.50	6.98E-07	0.00
							NG															
							ELEC	0%	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00E+00	0.00
			12	T6 Ag	72	100%	GAS	0%	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00E+00	0.00
							DSL	100%	6,246	123.74	4.29	0.81	4.48	1.96	8.21	9.34	19.98	0.14		6.74	1.73E-04	0.00
							NG	0%	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00E+00	0.00
							ELEC															
Employees	Cars	6.6	153	LDA	306	50%	GAS	50%	505	0.13	0.00	0.02	0.00	0.05	0.28	0.29	1.57	0.00		0.14	1.08E-05	0.00
							DSL	25%	252	0.06	0.00	0.01	0.00	0.02	0.01	0.01	0.12	0.00		0.05	1.73E-07	0.00
							NG															
							ELEC	25%	252	0.00	0.00	0.01	0.00	0.02	0.00	0.00	0.00	0.00		0.00	0.00E+00	0.00
				LDT1		25%	GAS	50%	252	0.13	0.00	0.01	0.00	0.02	0.41	0.43	1.37	0.00		0.09	1.17E-05	0.00
							DSL	25%	126	0.42	0.04	0.00	0.05	0.01	0.06	0.08	0.38	0.00		0.05	1.23E-06	0.00
							NG															
							ELEC	25%	126	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00		0.00	0.00E+00	0.00
				LDT2		25%	GAS	50%	252	0.22	0.00	0.01	0.00	0.02	0.52	0.54	1.74	0.00		0.10	1.62E-05	0.00
							DSL	25%	126	0.01	0.00	0.00	0.00	0.01	0.00	0.00	0.03	0.00		0.03	8.14E-08	0.00
							NG															
							ELEC	25%	126	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00		0.00	0.00E+00	0.00
									Total	298.80	5.71	2.00	5.97	5.21	15.94	18.04	52.35	0.68		32.46	3.49E-04	0.01
											PM 2.5 Total	7.71	PM 10 Total	11.17								8.72E-03	1.512064

Source: EMFAC2017 (v1.0.3) Emission Rates
Region Type: County
Region: Santa Barbara
Calendar Year: 2022
Season: Annual
Vehicle Classification: EMFAC2011 Categories
Units: miles/day for VMT, trips/day for Trips, g/mile for RUNEX, PMBW and PMTW, g/trip for STREX, HOTSOAK and RUNLOSS, g/vehicle/day for IDLEX, RESTLOSS and DIURN

Region	Calendar Year	Vehicle Category	Model Yr.	Speed	Fuel	Population	VMT	Trips	NOx_RUNEX	NOx_IDLEX	NOx_STREX	PM2.5_RUNEX	PM2.5_IDLEX	PM2.5_STREX	PM2.5_PMTW	PM2.5_PMBW	PM10_RUNEX	PM10_IDLEX	PM10_STREX	PM10_PMTW	PM10_PMBW	CO2_RUNEX	CO2_IDLEX	CO2_STREX	CH4_RUNEX	CH4_IDLEX	CH4_STREX	N2O_RUNEX	N2O_IDLEX	N2O_STREX	ROG_RUNEX	ROG_IDLEX	ROG_STREX	ROG_HOTSOAK	ROG_RUNLOSS	ROG_RESTLOSS	ROG_DIURN	TOG_RUNEX	TOG_IDLEX	TOG_STREX	TOG_HOTSOAK	TOG_RUNLOSS	TOG_RESTLOSS	TOG_DIURN	CO_RUNEX	CO_IDLEX	CO_STREX	SOx_RUNEX	SOx_IDLEX	SOx_STREX
SANTA BARBARA	2020	HHDT	Aggregate	Aggregate	GAS																																															
Santa Barbara	2022	T7 tractor construct	Aggregate	Aggregate	Diesel	103.9243	7168.959	469.8376	5.777789187	21.80301479	3.87150825	0.045505225	0.010064356	0	0.009000003	0.026460008	0.04756277	0.010519421	0	0.03600001	0.061740018	1824.97875	4185.390728	0	0.009846335	0.073939328	0	0.286861245	0.657885137	0	0.211938886	1.591893451	0	0	0	0	0	0.24133321	1.812249517	0	0	0	0	0	0	0.84703857	21.21152301	0	0.017241494	0.039541496	0
SANTA BARBARA	2020	HHDT	Aggregate	Aggregate	NG																																														
Santa Barbara	2022	T6 Ag	Aggregate	Aggregate	Diesel	23.80174	255.0726	104.7277	8.959867195	9.835399693	0.668613654	0.310937813	0.137159435	0	0.003000001	0.055860016	0.324997042	0.143361176	0	0.012000003	0.130340037	1078.427653	663.5833262	0	0.027646953	0.019774635	0	0.169513809	0.104306058	0	0.595231325	0.425742468	0	0	0	0	0	0.677625553	0.484675392	0	0	0	0	0	0	1.44426552	3.480855771	0	0.010188845	0.006269206	0
Santa Barbara	2022	LDA	Aggregate	Aggregate	Gasoline	156319.5	5603761	727641.1	0.047727167	0	0.220704899	0.003218173	0	0.001869196	0.002000001	0.015750005	0.003124852	0	0.002032816	0.008000002	0.036750011	255.5781023	0	56.65191605	0.002612815	0	0.061907236	0.035011793	0	0.028262172	0.010475591	0	0.289299868	0.127875792	0.25376001	0.221392842	0.229641893	0.661404662	0	2.457309691	0.002529153	0	0.000560617
Santa Barbara	2022	LDA	Aggregate	Aggregate	Diesel	2193.509	78720.03	10173.29	0.102715837	0	0.007966554	0	0	0	0.002000001	0.015750005	0.008322245	0	0	0.008000002	0.036750011	201.1239969	0	0	0.000685755	0	0.033513891	0	0	0.014763898	0	0	0	0	0	0	0.016807717	0	0	0	0	0	0	0	0.208473354	0	0	0.001901345	0	0
Santa Barbara	2022	LDA	Aggregate	Aggregate	Electricity	2756.14	112939.8	13707.6	0	0	0	0	0	0	0.002000001	0.015750005	0	0	0	0.008000002	0.036750011	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.004888026	0	0	0	0	0.003124904	0.012334728	0	0	0	0	0	0	0
Santa Barbara	2022	LDT1	Aggregate	Aggregate	Gasoline	17029.6	591852.1	78355.28	0.081675373	0	0.259598885	0.001482849	0	0.002156779	0.002000001	0.015750005	0.00161267	0	0.002345562	0.008000002	0.036750011	297.3743929	0	65.88092347	0.003844521	0	0.070286891	0.006880738	0	0.030097715	0.016195442	0	0.338064044	0.170087961	0.610020958	0.313406972	0.335666514	0.903031269	0	2.57925585	0.002942761	0	0.000651945
Santa Barbara	2022	LDT1	Aggregate	Aggregate	Diesel	20.08755	316.4537	64.16141	1.498354416	0	0	0.158685573	0	0	0.002000001	0.015750005	0.165806631	0	0	0.008000002	0.036750011	411.3794019	0	0	0.009768788	0	0	0.064463113	0	0	0.210316248	0	0	0	0	0	0	0.239431066	0	0	0	0	0	0	0	1.353058131	0	0	0.003889015	0	0
Santa Barbara	2022	LDT1	Aggregate	Aggregate	Electricity	107.6368	4277.413	526.7953	0	0	0	0	0	0	0.002000001	0.015750005	0	0	0	0.008000002	0.036750011	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.004888026	0	0	0	0	0.003124904	0.012334728	0	0	0	0	0	0	0
Santa Barbara	2022	LDT2	Aggregate	Aggregate	Gasoline	67983.46	2269109	308336.2	0.143328216	0	0.418333752	0.003429219	0	0.002064629	0.002000001	0.015750005	0.003154332	0	0.00224532	0.008000002	0.036750011	332.8423283	0	75.5744531	0.005582782	0	0.096609504	0.009832942	0	0.039360638	0.024458216	0	0.488533955	0.203737987	0.709452151	0.400982461	0.410101267	1.168587973	0	3.224007337	0.003297745	0	0.00074787
Santa Barbara	2022	LDT2	Aggregate	Aggregate	Diesel	463.905	18212.01	2244.188	0.053709765	0	0	0.005722319	0	0	0.002000001	0.015750005	0.005981057	0	0	0.008000002	0.036750011	272.2647886	0	0	0.000645045	0	0	0.042796233	0	0	0.01388744	0	0	0	0	0	0	0.015809927	0	0	0	0	0	0	0	0.121887781	0	0	0.002573881	0	0
Santa Barbara	2022	LDT2	Aggregate	Aggregate	Electricity	468.5996	15414.64	2361.987	0	0	0	0	0	0	0.002000001	0.015750005	0	0	0	0.008000002	0.036750011	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.004888026	0	0	0	0	0.003124904	0.012334728	0	0	0	0	0	0	0
Santa Barbara	2022	MDV	Aggregate	Aggregate	Gasoline	49925.91	1649802	225363.9	0.127443886	0	0.44926565	0.001303143	0	0.002025083	0.002000001	0.015750005	0.003147098	0	0.002202001	0.008000002	0.036750011	403.9389627	0	91.65994316	0.005224583	0	0.104979869	0.009550627	0	0.041199232	0.022383297	0	0.536290307	0.188378207	0.598405351	0.394091083	0.367184391	1.065774588	0	3.805325595	0.003997303	0	0.000907049
Santa Barbara	2022	MDV	Aggregate	Aggregate	Diesel	1160.091	45204.32	5569.082	0.057065976	0	0	0.005048978	0	0	0.002000001	0.015750005	0.00527727	0	0	0.008000002	0.036750011	359.4228466	0	0	0.000502682	0	0	0.056496266	0	0	0.010822445	0	0	0	0	0	0	0.012330634	0	0	0	0	0	0	0	0.185098811	0	0	0.003397838	0	0
Santa Barbara	2022	MDV	Aggregate	Aggregate	Electricity	228.9779	7747.384	1163.262	0	0	0	0	0	0	0.002000001	0.015750005	0	0	0	0.008000002	0.036750011	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.004888026	0	0	0	0	0.003124904	0.012334728	0	0	0	0	0	0	0
Santa Barbara	2022	MH	Aggregate	Aggregate	Gasoline	1115.529	9093.687	111.5975	0.602774654	0	0.334927093	0.001882	0	0.000397014	0.003000001	0.055860016	0.002046846	0	0.000431789	0.012000003	0.130340037	1803.992488	0	26.71967083	0.022320277	0	0.033519855	0.033202107	0	0.033304285	0.104066526	0	0.146681058	0.10945034	2.912396881	0.048486416	0.114926857	0.151853631	0	0.160597295	0.10945034	2.912396881	0.048486416	0.114926857	2.840713442	0	3.241571422	0.017851968	0	0.000264413
Santa Barbara	2022	MH	Aggregate	Aggregate	Diesel	374.7128	3361.328	37.47128	4.705957747	0	0	0.114627621	0	0	0.004000001	0.055860016	0.119810573	0	0	0.016000005	0.130340037	1037.879131	0	0	0.005570016	0	0	0.163140146	0	0	0.119919165	0	0	0	0	0	0	0.136519997	0	0	0	0	0	0	0	0.436488874	0	0	0.00981169	0	0

ATTACHMENT C

BOILER EMISSIONS CALCULATIONS

Hours/Year	8760	
Heat Input (Hourly)	3.939	MMBTU/hr
Heat Input (Annual)	34,505.64	MMBTU/Yr

Standard							
Emission Factors (lbs/MMBTU)	NOx	CO	ROC	SO_2	PM	CO_2	CO_2 (metric Tons)
NG	0.01	0.30	0.01	0.01	0.01	117.60	0.05
LPG	0.02	0.30	0.01	0.02	0.01	136.60	0.06
Emissions (Lb/Hour)							
NG	0.04	1.17	0.02	0.05	0.03	463.23	0.21
LPG	0.10	1.17	0.02	0.07	0.03	538.07	0.24
Emissions (Lb/Day)							
NG	1.04	28.08	0.51	1.30	0.71	11,117.43	5.04
LPG	2.31	28.08	0.51	1.61	0.71	12,913.62	5.86
Emissions (Lb/Year)							
NG	380	10,248	186	473	259	4,057,863	1840.63
LPG	842	10,248	186	587	259	4,713,470	2138.02

GHG EF from Mfg, Other other emissions factors based on District Rule 361

PM = PM10 = PM2.5

Hours/Year	8760	
Heat Input (Hourly)	11.54	MMBTU/hr
Heat Input (Annual)	101,125	MMBTU/Yr

Standard							
(lbs/MMBTU)	NOx	CO	ROC	SO_2	PM	CO_2	$CO_{2\ (metric\ Tons)}$
NG	0.01	0.30	0.01	0.01	0.01	117.60	0.05
LPG	0.01	0.30	0.01	0.02	0.01	136.60	0.06
Emissions (Lb/Hour)							
NG	0.13	3.43	0.06	0.16	0.09	1,357.57	0.62
LPG	0.13	3.43	0.06	0.20	0.09	1,576.91	0.72
Emissions (Lb/Day)							
NG	3.05	82.29	1.50	3.80	2.08	32,581.79	14.78
LPG	3.05	82.29	1.50	4.71	2.08	37,845.85	17.17
Emissions (Lb/Year)							
NG	1,112	30,034	546	1,385	758	11,892,352	5394.34
LPG	1,112	30,034	546	1,719	758	13,813,735	6265.87

GHG EF from Mfg, Other other emissions factors based on District Rule 342

PM = PM10 = PM2.5

ATTACHMENT D

TRANSPORTATION DEMAND MANAGEMENT (TDM) PLAN

ASSOCIATED TRANSPORTATION ENGINEERS

100 N. Hope Avenue, Suite 4, Santa Barbara, CA 93110 • (805)687-4418 • main@atesb.com

Since 1978

Richard L. Pool, P.E.
Scott A. Schell

April 26, 2022 20014L09

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Delivered Via Email: david@urbanplanningconcepts.com

TRANSPORTATION DEMAND MANAGEMENT PLAN FOR THE ARTIC COLD AGRICULTURAL PROCESSOR AND FREEZER PROJECT – COUNTY OF SANTA BARBARA

Associated Transportation Engineers (ATE) has prepared the following Transportation Demand Management Plan (TDM) for the Artic Cold Agricultural Processor and Freezer Project located in the Santa Maria area of Santa Barbara County. The TDM Plan is required in Condition #13 of the County's Conditions of Approval placed on the Project

PROJECT DESCRIPTION

The Artic Cold Agricultural Processor and Freezer Project site is located on the southeast corner of the Betteravia Road/Rosemary Road intersection in the unincorporated Santa Barbara County area just east of the City of Santa Maria. The Project is proposing to develop a 449,248 SF food processing, cold storage, and packaging facility (includes a 120,098 SF food processor and a 316,549 SF freezer). The facility would process crops grown in the greater Santa Maria Valley area and from other regions throughout California.

The Project would utilize 153 employees during average periods and 623 employees during peak harvest periods. The fruit processing employees (which comprise the majority of the workforce) would work during three different shifts throughout a 24-hour period. The traffic study completed for the Project indicated that, during average operational periods, the Project would generate 454 average daily trips (ADT), 32 AM peak hour trips (PHT) and 81 PM PHT. During peak harvest periods, the Project would generate 1,642 ADT, 67 AM PHT, and 341 PM PHT. These trip generation estimates assumed that all employees would drive to the facility with no carpooling, shuttle, transit, or bicycle use. With the implementation of the TDM plan, it is anticipated that the trip generation estimates will be reduced by 15% to 20%.

TRANSPORTATION DEMAND MANAGEMENT PLAN

The applicant will implement a Transportation Management (TDM) Plan that includes the following measures:

Transportation Coordinator

The Transportation Coordinator shall manage transportation programs for the project and serve as the contact person for transportation related issues. The coordinator shall be available during normal working hours. The Transportation Coordinator's name and telephone number shall be submitted to P&D and Public Works prior to Final Building Inspection Clearance and within one month of a change of Transportation Coordinator.

Employee Orientation

The Project applicant, in coordination with the Transportation Coordinator, shall develop a fact sheet that serves as an orientation for new employees by informing them of the traffic mitigation requirements imposed on the site, and the location and availability of carpool and bike parking, transit service, showers and lockers, and other program components. A copy of the fact sheet shall be submitted to P&D prior to occupancy and annually as it is updated.

Information in the Workplace

The applicant will post TDM marketing materials (i.e., park and ride lot locations, County Bike Map, Traffic Solutions carpool/vanpool/emergency ride home brochures, materials detailing the monetary and environmental benefits of alternative transportation, etc.) in the common employee areas on-site.

TDM Components

The TDM program may include, but not be limited to employee input and information, carpooling, vanpooling, parking management, bicycle facilities transit services, lunch time facilities and services, work schedule flexibility, and other incentives for employees.

Vanpools

The applicant will sponsor a company vanpool (such as CalVans or Enterprise Commute) to transport employees from various areas in Santa Barbara and/or San Luis Obispo Counties during regular and peak harvest periods (reference information on the vanpool programs is attached). Utilization of two to three 15-passenger vans would reduce traffic generation at the Project site by 60 to 90 ADT; and would reduce the peak parking demands by 30 to 45 spaces. Utilization of the vanpools would also reduce the VMT generated by the Project.

Carpools

The applicant will promote employee ridesharing by assisting with enrolling in the alternative transportation commute programs offered by the Santa Barbara County Association of Governments' (SBCAG's) Traffic Solutions division. Traffic Solutions offers ride-matching services through its SmartRide Program which can match employees by residence location and shift schedules. Carpooling would also be promoted by providing up to 15 dedicated carpool spaces at convenient locations adjacent to the building entrances for employees that carpool. The average carpool rate for the Santa Maria area is 20% (see attached mode split data from SBCAG), which would equate to a reduction of 234 ADT during peak seasons; and would reduce the peak parking demands by approximately 60 spaces. Promotion of the carpooling program would also reduce the VMT generated by the Project

Emergency Ride Home

Providing an emergency ride home program is an effective tool in promoting alternative mode use by commuters. The applicant will assist employees with enrolling in the Emergency Ride Home (ERH) program offered by Traffic Solutions. The ERH program allows employees who have used alternative transportation to call a taxi, Uber/Lyft, or rent a car to travel back home in the event of an emergency. Employees submit a receipt to Traffic Solutions and get repaid for the expense. The ERH plan is available 4 times per year, not to exceed $220 per year.

Bicycling

Betteravia Road is classified as a Class 2 bike-lane facility on the Santa Barbara County Bike Map (see attachments). The Class 2 bike-lanes extend along Betteravia Road from Broadway on the west to east of Rosemary Road, and thus provide a good bicycle connection between the City of Santa Maria and the Project site. In order to promote bicycle use, the applicant will provide secure covered bicycle parking at convenient locations on-site for local employees that wish to commute via bicycles.

MONITORING

The Owner/Applicant shall demonstrate to P&D compliance monitoring staff that all required physical traffic reduction components have been installed prior to Final Building Inspection Clearance and all informational materials shall be prepared prior to start of operation.

This concludes ATE's TDM Plan for the Artic Cold Agricultural Processor and Freezer Project.

Associated Transportation Engineers,

Scott Schell
Principal Transportation Planner

CalVans

CALIFORNIA VANPOOL AUTHORITY

HALF THE COST, TWICE THE CONVENIENCE!

Public Vanpools Leading the Way

NEW CALVANS VANPOOL PARTICIPANTS CAN SAVE ON THE ALREADY-LOW MONTHLY COST! *

If you're in the expensive habit of driving yourself to work alone in your own vehicle, you now have a more affordable, convenient option: CalVan vanpools. A popular ridesharing program used by thousands of satisfied commuters in neighboring Valley communities, CalVans is continuing to expand throughout the Valley, with plenty of new opportunities to drive or join a vanpool. Call 1-866-655-5444 to see if there's a seat available in a CalVans vanpool operating in your area. If not, it's easy to start your own CalVans vanpool. CalVans provides the vans, the fuel, the maintenance and support – all you do is drive, and you can even share that responsibility if you like. Read on for more information and benefits of this exciting, money-saving alternative to driving alone. CalVans vanpools are the affordable, reliable, responsible way to get to work!

Vanpooling Saves You Money

Especially when you start your own!

Driving alone in your own vehicle is an expensive and wasteful way to get to and from work. Considering the cost of fuel, maintenance and wear-and-tear – not to mention the healthcare costs associated with the Valley's air pollution – it's no wonder more and more commuters are opting to rideshare. CalVans vanpools make it easy and affordable! Why spend hundreds of dollars a month on fuel and maintenance for your vehicle, when you can drive or join a CalVans vanpool for as little as $12 a month? Use your savings to make a mortgage or student tuition payment. You can even start saving for that special vacation you've always promised yourself but never taken. By joining a CalVans vanpool, you may save an average of $5,500 a year in driving expenses. And low monthly fares are just the beginning.

Read on for more information and benefits of this exciting, money-saving alternative to driving alone. CalVans vanpools are the affordable, reliable, responsible way to get to work!

Here are the typical monthly costs and saving for new CalVans riders:

	CalVans Monthly Rates**		Monthly Saving***	
Daily Roundtrip Mileage	Students and Non-Governmental Employees	State Employees after State Subsidy	Non-Governmental Employees Save...	State Employees Save...
20	$39	$10	$189	$213
30	$46	$12	$300	$328
40	$53	$13	$413	$444
50	$60	$15	$525	$559
60	$67	$17	$637	$675
70	$73	$18	$749	$790
80	$80	$20	$861	$906
90	$87	$22	$973	$1,007
100	$94	$29	$1,086	$1,114

***New CalVan vanpool participants cannot have been in a vanpool program within the past 6 months. Rebates funded by your local air pollution control district.

*Monthly rate calculations based on full 15-passenger van, 21 workdays per month, fuel cost $3.65 per gallon. Visit www.calvans.org to calculate your cost and savings.

**Monthly savings. AAA "Your Driving Costs," 2011

The affordable, reliable & responsible way to commute

CalVans vanpools benefit your budget, your lifestyle and our environment.

CalVans provides every vanpool with a clean, new 7- to 15-passenger van, and gives each driver a special fuel card for purchasing gas. The van is fully maintained by CalVans from basic oil changes and tire replacement to major tune-ups and recommended service, ensuring safe, reliable operation. For added peace of mind, each van is equipped with a two-way radio and AVL locator system, and is covered by a $10 million insurance policy. In the event of a problem, a spare van is available for dispatch. Best of all, this is all covered by your low monthly fare – no other charges, hidden fees or surprises.

The benefits of CalVans are easy to see. You'll save money, with rates as low as $12 a month, not the hundreds you currently spend each month driving alone. You'll save time with efficient, maintenance-free transportation. You'll save the hassle of driving; in fact, you can relax, read or get a head start on work during your commute! You'll save wear-and-tear on your personal vehicle, adding years to its life. And since one van replaces 7 to 15 vehicles, you'll help reduce one of the Valley's biggest health threats: air pollution.

Don't spend another month wasting your hard-earned money. Call CalVans today: 1-866-655-5444

How to start with CalVans

Starting a CalVans vanpool is a simple, streamlined process that enables you to begin enjoying benefits almost immediately.

Starting a CalVans vanpool is a simple, streamlined process that enables you to begin enjoying benefits almost immediately. Talk to your coworkers and find enough who are willing to share a ride. You'll also want to decide who will be the main driver, as well as any backup drivers. Then fax the CalVans office with the driver's licenses of everyone who may be driving the van, so we can pull the DMV driving records. (If you have more than 2 points or either a DUI or reckless driving in the past 5 years, you won't be approved as a driver.) Each driver will also need to get a Class B physical exam "green card" which we can help arrange.

A CalVans staff member will then meet with you to go over the daily operational issues and show you how to submit payments from you and your riders. After you receive your van, you'll receive a bill around the 25th of each month, with payment due on the 15th of the next month. The bill includes all costs related to your vanpool including fuel, and payment will simply be the individual payments you collect from you and your riders.

In the event of a problem, CalVans offers live support 24/7. If your van ever breaks down or needs work in a repair facility, a spare van will be delivered to you. Additionally, CalVans will perform routine maintenance every 6,000 miles right where you park the van – you won't need to take it anywhere for service!

Questions? Ready to start? Call CalVans at 1-866-655-5444

No Credit Check, No Long-Term Commitments

CalVans wants to put you in a van, not tie you up with red tape, so we don't require a credit check. We know life can be unpredictable, so CalVans does not require you to sign a long-term contract. If you need to return the van, you pay only for the days you used it, no questions asked.

"You can't beat CalVans!"

Every day, thousands of commuters in the Valley rely on CalVans vanpools to get them to and from work. While no two riders are alike and each joined a vanpool for different reasons, they all agree that CalVans is the positive alternative to driving alone.

Mary Espinoza used to drive alone to her job at Pleasant Valley State Prison in Coalinga. She joined the CalVans vanpool program over 6 years ago, and has never regretted that decision. Besides saving over $250 per month in driving expenses, Mary enjoys the friends she has made in her vanpool group. She and 11 coworkers commute daily from Hanford – a 50-minute drive that allows the riders to enjoy "some down time from the responsibilities of life, kids, families and work, and that's a good thing! The CalVans vanpool service is perfect."

Another correctional facility employee, Raymond Martinez, has been using CalVans for over 4 years to commute from Visalia to North Kern State Prison in Delano. Prior to joining CalVans, he used a different vanpool service but switched to CalVans because the program offered "newer vans, better equipment and more reasonable costs." He estimates that vanpooling saves him from $500 to $800 per month compared to the cost of driving his own vehicle. "The thing I like about CalVans is the money I save each month plus the wear and tear on my car," Martinez says. "You can't beat CalVans!"

Mary and Raymond's positive experiences with CalVans are far from unique. Norma Sanchez used to rely on a different vanpool program to commute from Kingsburg to her job at Fresno County Health Department, but switched to CalVans because of the benefits it offers. For example, her former vanpool required the driver to pay for gas out-of-pocket and be reimbursed at a later date, where CalVans drivers use a fleet gas card.

For Vanessa Quesada, the advantages of CalVans go far beyond the financial benefits. She's part of an 8-person CalVans vanpool that takes Fresno Department of Education employees from Visalia to Fresno. She describes CalVans as "a life saver," not only for the $300 a month she saves in driving expenses, but because her vanpool group is like a second family. "We celebrate birthdays and enjoy sharing about our lives while we commute to work," she says.

If you're ready to add your own chapter to the CalVans success story, call 1-866-655-5444

Save even more with monthly incentives

CalVans riders save an average of $5,500 per year in driving expenses, making ridesharing an attractive alternative to driving alone. But that's just one of CalVans financial benefits. If you're a state or federal employee, you're eligible for additional monthly incentives that prove it really does pay to use CalVans!

State employees who utilize ridesharing may receive up to $65 a month per person, while ridesharing federal employees are eligible for up to $125 a month per person.

Call or visit our website today to see what you can save.
(866) 655-5444 • www.calvans.org

Commuter Benefit for Your Employees

Create a Win Win

Your employees want benefits beyond salary. You want to attract and keep the best talent. A commuter benefit can help with both.

How Commuting to Work Impacts Employees

- 45% think **commuting is the worst part** of their day
- More than **85% would take a pay cut** in exchange for a shorter commute

This is a real challenge for today's employers. But Commute with Enterprise can help flip the story – and turn the commute into a valuable employee benefit. With **80% picking benefits over a pay raise**, this is a solution with real pay-back opportunity. Plus, you can offer it at zero-to-no cost.

We Turn the "Commute to Work" Into a Perk

Offer your employees a way to get to work that eliminates stress, reduces out-of-pocket spend and puts them in a better – and more productive – state-of-mind. Commute with Enterprise offers companies a turnkey employee commuting solution with:

- Significant cost savings – $6,000 annually on average (includes savings on fuel, parking, tolls, maintenance, wear and tear on your personal vehicle)
- Recent-model **SUV, crossover or van** with amenities, like WiFi
- 24/7 Roadside assistance
- Comprehensive vehicle maintenance and insurance

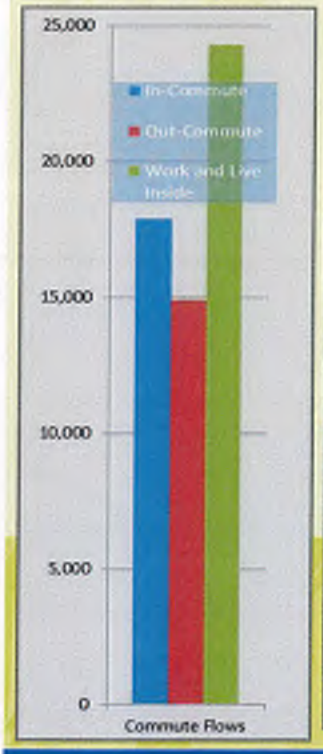
How the Program Works

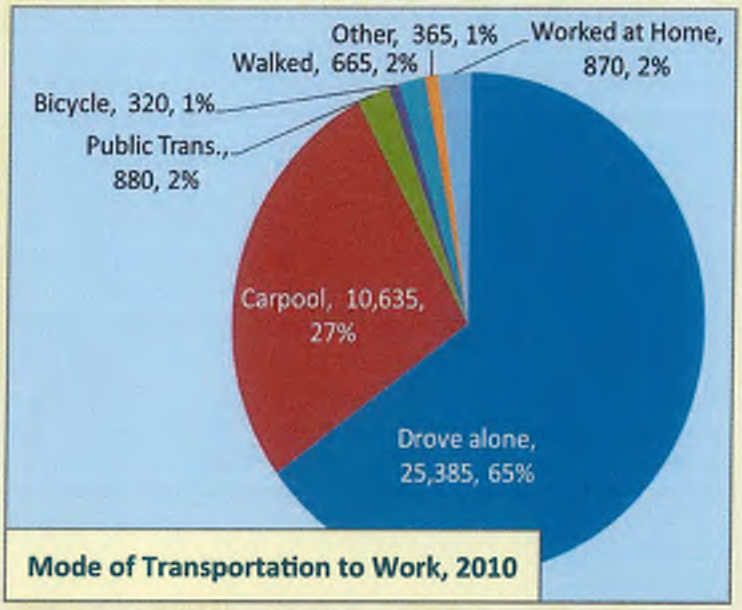
Santa Maria Valley Region—*City of Santa Maria*

Santa Maria has the highest proportion of commuters countywide that carpool. Commute trips from Santa Maria to S.L.O. County are significant.

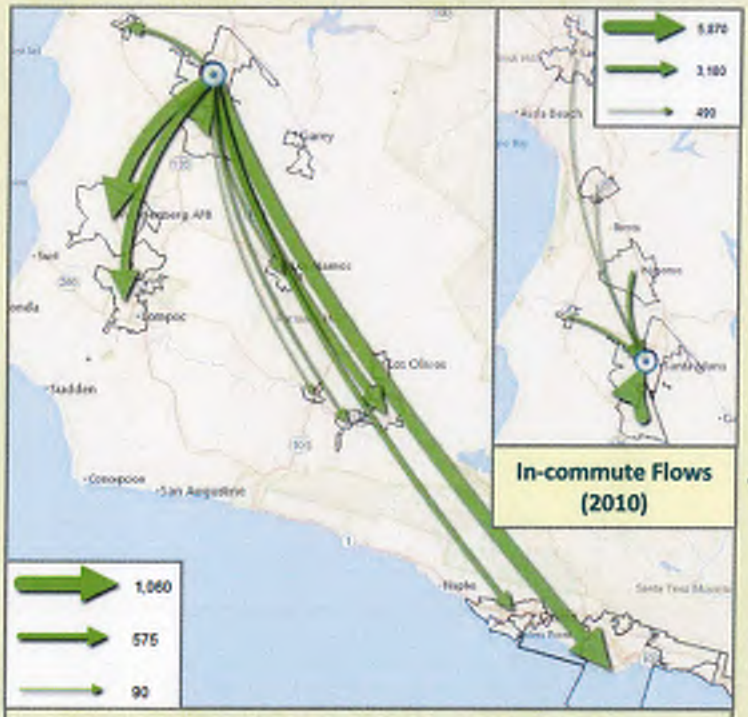
Santa Maria has a balance of jobs and housing with a 1.49 jobs/unit and a significant proportion of workers living and working in the city. Santa Maria has a proportional balance of 42,180 jobs or 21% of the county-wide total, (21.0% are in the education, health and social services categories), compared to 28,294 housing units or 19% of the county-wide total.

Although there is a balance of jobs and housing, there are more in-commuting workers than out-commuting workers.





Mode of Transportation to Work, 2010

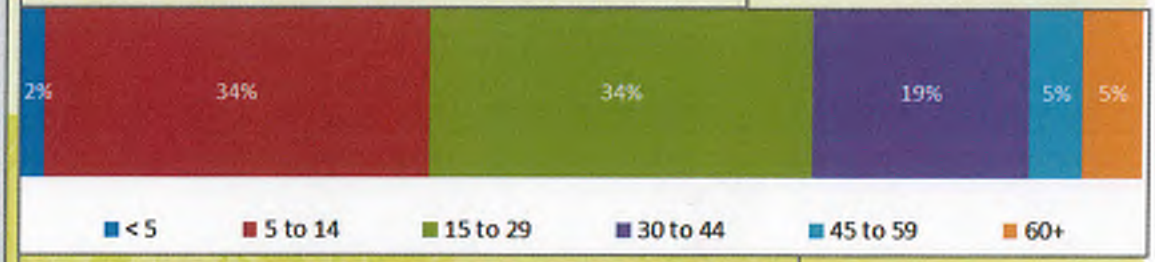


Out-commute Flows from Santa Maria (2010)

In-commute Flows (2010)

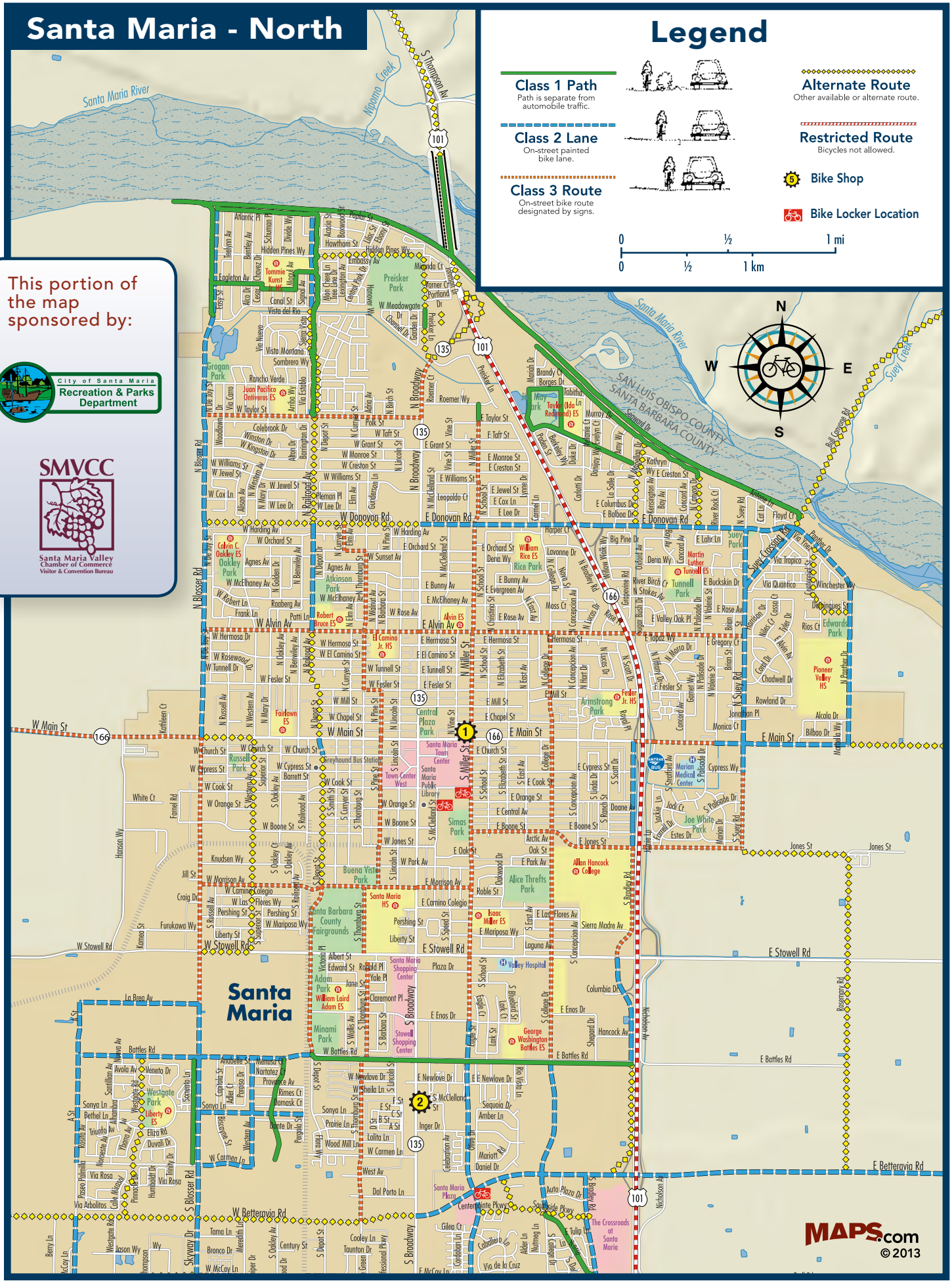
- The year 2010 out-commute flow from Santa Maria is 1,020 commuters/day to Santa Barbara, 350 to Goleta, and 580 to Santa Ynez.
- There is also a significant out-commute flow to Vandenberg AFB and the Chumash Casino,.
- The year 2000 out-commute flow from Santa Maria to San Luis Obispo County was 3,038 commuters/day, compared to 3,485 commuters/day in 2010, an increase of 447 or 14.7%.
- The year 2000 out-commute flow from Santa Maria to Santa Barbara was 1,215 commuters/day, compared to 1,020 commuters/day in 2010, a decrease of 195 or –16.0%.
- The year 2000 out-commute flow from Santa Maria to Santa Ynez was 45 commuters/day, compared to 580 commuters/day in 2010, an increase of 535 or 1,188.0%.

The highest proportion of commuters (34%) has a travel time between 5 to 14 minutes, many to VAFB and nearby agricultural areas. The mean travel time is 22 minutes.



Travel Time (Minutes, All Modes) for S.M. Commuters, 2010

Santa Maria - North



ATTACHMENT E

SOURCE REDUCTION AND SOLID WASTE MANAGEMENT PLAN

Arctic Cold
SOURCE REDUCTION AND SOLID WASTE MANAGEMENT PLAN

REV June 2022

URBAN PLANNING CONCEPTS INC.
URBAN DESIGN • LAND PLANNING • ENVIRONMENTAL ANALYSIS

I. INTRODUCTION

The Solid Waste Recycling Program is intended to reduce the amount of solid waste generated by the Arctic Cold project in Santa Maria. The project is located at 1750 E. Betteravia Road, APN 128-097-001 and -002.

The California Integrated Waste Management Act of 1989 requires all cities and counties to develop a Source Reduction and Recycling Element for diverting 50% of solid waste from landfills. City and County governments responded by adopting waste diversion programs to meet the requirements of the Act. County waste characterization studies estimate that implementation of a waste reduction and recycling program could reduce total value of generated waste by approximately 50%[1].

The program is set up to comply with the conditions of approval which state:

Mitigation U-1 Source Reduction and Solid Waste Management Plan (SRWMP) during Operation

> The Applicant shall prepare a Source Reduction and Solid Waste Management Plan (SRWMP) for project operation and submit to the County for approval prior to issuance of building permits. The SRWMP shall describe commitments to reduce the amount of waste generated during project operation. The SRWMP shall include, at a minimum:
>
> 1. Provision of space and/or bins for storage of recyclable materials within common areas of the project site.
>
> 2. Management strategies for organic waste, including potential locations for off-site composting.
>
> 3. Implementation of a green waste source reduction program for composting in open areas, and the use of mulching mowers in all common open space lawns.
>
> **PLAN REQUIREMENTS AND TIMING:** The Applicant shall submit a Source Reduction and Solid Waste Management Plan to P&D for project operation for review and approval prior to issuance of building permits. The Applicant shall implement all aspects of the Plan during operation of the project in accordance with the above-described conditions.

Mitigation U-2 The Applicant shall prepare a Source Reduction and Solid Waste Management Plan (SRWMP) for construction and submit to the County for approval prior to issuance of grading permits. The SRWMP shall describe commitments to reduce the amount of waste generated during construction of the project and estimate the reduction in solid waste generated during each phase of project construction. The SRWMP shall include, at a minimum:

1. Construction Source Reduction
    a. A description of how fill will be used on the construction site, instead of landfilling.
    b. A program to purchase materials that have recycled content for project construction.
2. Construction Solid Waste Reduction

[1] County of Santa Barbara Environmental Thresholds and Guidelines Manual (1995)

a. Prior to construction, the contractor will arrange for construction recycling service with a waste collection provider. Roll-off bins for the collection of recoverable construction materials will be located onsite. The Applicant, or authorized agent thereof, shall arrange for pick-up of recycled materials with a waste collection provider or shall transport recycled materials to the appropriate service center. Wood, concrete, drywall, metal, cardboard, asphalt, soil, and land clearing debris mayall be recycled.

b. The contractor will designate a person to monitor recycling efforts and collect receiptsfor roll-off bins and/or construction waste recycling. All subcontractors will be informed of the recycling plan, including which materials are to be source-separated and placed in proper bins.

Recycling and composting programs including separating excess construction materials on-site for reuse/recycling or proper disposal (e.g., concrete, asphalt, wood, brush). Provided separate on-site bins as needed for recycling

II. PROJECTED SOLID WASTE GENERATION

Solid waste generated from an operational cold storage facility typically includes the following materials: shrink wrap and plastic, packaging materials, scrap metal, paper, pallets etc. Many of these items can be recycled.

Solid Waste[2]

81,928 sf of Processing = 81,928 sq. ft. of Processing space x 0.0026 tons **= 213.01 tons/year of solid waste**

293,924 sf. Storage/Warehousing area = 293,924 sq. ft. warehousing space x 0.0016 tons **= 470.28 tons/year of solid waste**

22,632 sq. ft. Office/Administration space = 22,632 sq. ft. of office space x 0.0013 tons **= 29.42 tons/year of solid waste**

TOTAL = 712.71 tons of solid waste per year

Source reduction goal would be to recycle solid waste a minimum of 50% for net solid waste generation of approximately 356.35 tons per year which is above the 196 tons per year threshold of significance.

III. GREEN WASTE DISPOSAL PROCESS

Green waste is a byproduct of the wastewater process and regulated by the RWQCB under General Waste Discharge Order No. R3-2008-0018. Green waste and other BOD elements are generated during the processing of raw materials as part of the industrial wastewater system and are disposed of separately from the wastewater component. Arctic Cold will initially separate BOD using screens to capture the separated plant material.

[2] 0.0026 for processing, 0.0016 solid waste generation factor for warehouses, 0.0013 for offices per Thresholds Manual

Green waste is placed in a dumpster under the waste chutes at each processing machine. When the dumpster is full, we take it outside and dump it into the wet bin that is designated for this solid waste. The waste from the floors is swept up manually and put into waste bins labeled for organic waste. Once full, it is brought outside and dumped into the wet waste bin designated for solid waste. Any organic material that might make it to the drains will go to the water collection sump outside. There are sediment tanks at the bottom of the sump to collect heavy materials that we clean out manually when full. From the sump the water is pumped up to a rotary screen where the solid waste is screened off and drops into a wet waste dumpster until full. When full it is brought over to the wet bin and emptied.

Approximately 90% of green material is captured by the process. The material is then removed and hauled off by a licensed contractor, American Roll Off Inc. where the green waste is offered as a beneficial reuse of compost for area farms. The remaining 10% consists of smaller sized plant material that makes it through the collection system and enters the wastewater basins. The material is removed by American Roll Off Inc. once the basins are void of wastewater and again used as compost. The wastewater system has been reviewed by the RWQCB who holds jurisdictional permitting authority.

IV. WASTE COLLECTION SERVICES

The site will be contracted with Waste Management (WM) to provide solid waste collection for the production facility and associated offices. WM is a private refuse collection and recycling company under contract with the County of Santa Barbara Public Works Department providing full-service waste collection services in the unincorporated portion of the county.

For green waste removal, the operator is contracted with American Roll Off Inc. located in Santa Maria. Green waste associated with area landscaping is recycled through Waste Management services.

V. SHORT TERM CONSTRUCTION

The project was calculated to produce approximately 5,616 tons of construction related solid waste according to the Project EIR, 21EIR-00001. This amount exceeds the significance of threshold of 350 tons. Mitigation is therefore required to lower the amount to the maximum extent feasible. During construction the following measures will be provided:

- The applicant will subscribe to waste collection services by Waste Management or other licensed hauler of waste materials.
- Excess construction materials shall be separated onsite for reuse/recycling or proper disposal (e.g. concrete, asphalt, wood products etc). Any stockpiling of material to be covered so as not to be subject to winds.
- Separate bins for recycling of construction materials and brush shall be provided onsite. All bins will be properly labeled and color coded for disposal recognition.
- Covered receptacles for employee generated trash shall be provided onsite prior to commencement of grading or construction activities.
- The building contractor will assign personnel to be responsible for onsite recycling efforts. Waste shall be picked up weekly or more frequently as directed by Permit Compliance staff.

All fill generated by the project will be utilized on site for the existing agricultural operations, no export of material will be required.

The applicant will be pursuing LEED certification on this project. All aspects of the building design, materials and methods of construction will be geared towards the guidelines of the United States Green Building Council (USGBC).

Per the LEED Credits the project seeks a 75% diversion rate for construction waste. Per Credits 4.1 and 4.2, this results in 50% of building materials that contain in aggregate, a minimum weighted average of 20% post-consumer recycled content material or a minimum weighted average of 40% postindustrial recycled content material. A copy of the Project LEED Program is attached.

Some examples of using recycled products are already incorporated in the design. Steel has a high recycled content, so the building structure, anchor bolts, rebar, miscellaneous steel and metal skin on siding, will be 80% to 90% recycled content. The contractor will require the subcontractors to purchase higher recycled content steel for the building. Another example will be the contractor using crushed concrete for subgrade base and as aggregate in concrete mix designs where allowed.

The contractor has designated a representative that is responsible to ensure the recyclable program is accomplished. This representative will maintain all records including receipts for purchase materials and recycled disposal:

Anthony Aiumi; Project Engineer
Asa@fishercgi.com
(360)420-8338

VI. LONG-TERM PROJECT OPERATIONS WASTE

Solid Waste non-Recyclable: All waste not identified as recyclable shall be deposited into the appropriate WM container identified as waste. Items such as employee generated trash, packaging materials made of styrofoam or other non plastic/wood materials, non-clear plastic or non-plastic containers would be transported to the landfill facility.

Solid Recyclable Waste: Implementing an effective recycling program would result in 50% or greater reduction in waste generation for the landfill. Applicant shall encourage recycling of operational specific waste which would include the utilization of WM recycling containers. Recycled materials would include, but not limited, to the following:

- Wood based materials such as cardboard, paper packaging materials, paper, and pallets
- Glass recyclables
- Plastic recyclables including shrink wrap and clear plastic containers
- Scrap Metals
- Landscaping materials such as grass, tree limbs, shrub pruning etc.

Arctic Cold will request from WM multiple recycling bins to further separate recyclable materials with separate bins for glass, plastic, cardboard, etc. and shall be located in convenient places for use by employees. Recycle containers will be provided in break areas and other areas

frequented by employees for easy disposal of items such as drink containers and personal items. Solid waste containers will also be located throughout the site for easy collection. Employees will be instructed to properly utilize waste and recycle containers. Waste would then be deposited into WM bins in locations identified on the site plan for scheduled pick ups.

ATTACHMENT F

MITIGATED CALEEMOD OUTPUT SHEETS

Arctic Cold Storage and Packing Project - GHG Analysis Custom Report

Table of Contents

8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Arctic Cold Storage and Packing Project - GHG Analysis
Construction Start Date	6/5/2023
Operational Year	2024
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.90
Precipitation (days)	26.2
Location	34.92313985518575, -120.39841719928847
County	Santa Barbara
City	Unincorporated
Air District	Santa Barbara County APCD
Air Basin	South Central Coast
TAZ	3377
EDFZ	6
Electric Utility	Pacific Gas & Electric Company
Gas Utility	Southern California Gas
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

Refrigerated Warehouse-No Rail	449	1000sqft	10.3	449,248	0.00	—	—	—
Parking Lot	496	Space	9.41	0.00	0.00	0.00	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Transportation	T-7	Implement Commute Trip Reduction Marketing
Transportation	T-8	Provide Ridesharing Program
Transportation	T-11*	Provide Employer-Sponsored Vanpool
Transportation	T-14*	Provide Electric Vehicle Charging Infrastructure
Transportation	T-30*	Use Cleaner-Fuel Vehicles
Transportation	T-33*	Locate Project near Bike Path/Bike Lane
Transportation	T-34*	Provide Bike Parking
Transportation	T-53*	Electrify Loading Docks
Energy	E-10-A	Establish Onsite Renewable Energy Systems: Generic
Water	W-4	Require Low-Flow Water Fixtures
Water	W-5	Design Water-Efficient Landscapes
Waste	S-1/S-2	Implement Waste Reduction Plan
Waste	S-4*	Recycle Demolished Construction Material

* 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.	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—

Unmit.	—	10,686	10,686	0.53	0.69	10,914
Daily, Winter (Max)	—	—	—	—	—	—
Unmit.	—	4,954	4,954	0.25	0.26	5,039
Average Daily (Max)	—	—	—	—	—	—
Unmit.	—	2,598	2,598	0.13	0.14	2,645
Annual (Max)	—	—	—	—	—	—
Unmit.	—	430	430	0.02	0.02	438

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	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily - Summer (Max)	—	—	—	—	—	—
2023	—	10,686	10,686	0.53	0.69	10,914
2024	—	6,921	6,921	0.33	0.29	7,028
Daily - Winter (Max)	—	—	—	—	—	—
2023	—	4,954	4,954	0.25	0.26	5,039
2024	—	4,914	4,914	0.25	0.26	4,999
Average Daily	—	—	—	—	—	—
2023	—	2,598	2,598	0.13	0.14	2,645
2024	—	1,772	1,772	0.09	0.09	1,803
Annual	—	—	—	—	—	—
2023	—	430	430	0.02	0.02	438
2024	—	293	293	0.01	0.02	298

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	BCO2	NBCO2	CO2T	CH4	N2O	CO2e

Daily - Summer (Max)	—	—	—	—	—	—
2023	—	10,686	10,686	0.53	0.69	10,914
2024	—	6,921	6,921	0.33	0.29	7,028
Daily - Winter (Max)	—	—	—	—	—	—
2023	—	4,954	4,954	0.25	0.26	5,039
2024	—	4,914	4,914	0.25	0.26	4,999
Average Daily	—	—	—	—	—	—
2023	—	2,598	2,598	0.13	0.14	2,645
2024	—	1,772	1,772	0.09	0.09	1,803
Annual	—	—	—	—	—	—
2023	—	430	430	0.02	0.02	438
2024	—	293	293	0.01	0.02	298

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.	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—
Unmit.	420	127,644	128,064	31.4	13.0	145,002
Mit.	288	100,506	100,794	16.5	11.7	116,959
% Reduced	31%	21%	21%	48%	10%	19%
Daily, Winter (Max)	—	—	—	—	—	—
Unmit.	420	126,844	127,263	31.5	13.1	143,931
Mit.	288	99,755	100,043	16.5	11.8	115,956
% Reduced	31%	21%	21%	48%	10%	19%
Average Daily (Max)	—	—	—	—	—	—
Unmit.	420	125,821	126,240	31.4	13.1	143,025
Mit.	288	98,729	99,017	16.4	11.8	115,040

% Reduced	31%	22%	22%	48%	10%	20%
Annual (Max)	—	—	—	—	—	—
Unmit.	69.5	20,831	20,900	5.20	2.16	23,680
Mit.	47.7	16,346	16,393	2.72	1.95	19,046
% Reduced	31%	22%	22%	48%	10%	20%

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	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—
Mobile	—	105,505	105,505	4.62	12.2	109,552
Area	—	80.3	80.3	< 0.005	< 0.005	80.6
Energy	—	20,608	20,608	3.31	0.40	20,810
Water	192	272	464	0.70	0.42	608
Waste	228	0.00	228	22.7	0.00	796
Refrig.	—	—	—	—	—	11,973
Off-Road	—	0.00	0.00	0.00	0.00	0.00
Stationary	0.00	1,179	1,179	0.05	0.01	1,183
Total	420	127,644	128,064	31.4	13.0	145,002
Daily, Winter (Max)	—	—	—	—	—	—
Mobile	—	104,785	104,785	4.64	12.3	108,561
Area	—	—	—	—	—	—
Energy	—	20,608	20,608	3.31	0.40	20,810
Water	192	272	464	0.70	0.42	608
Waste	228	0.00	228	22.7	0.00	796
Refrig.	—	—	—	—	—	11,973
Off-Road	—	0.00	0.00	0.00	0.00	0.00

Stationary	0.00	1,179	1,179	0.05	0.01	1,183
Total	420	126,844	127,263	31.5	13.1	143,931
Average Daily	—	—	—	—	—	—
Mobile	—	104,820	104,820	4.63	12.2	108,718
Area	—	39.6	39.6	< 0.005	< 0.005	39.8
Energy	—	20,608	20,608	3.31	0.40	20,810
Water	192	272	464	0.70	0.42	608
Waste	228	0.00	228	22.7	0.00	796
Refrig.	—	—	—	—	—	11,973
Off-Road	—	0.00	0.00	0.00	0.00	0.00
Stationary	0.00	80.7	80.7	< 0.005	< 0.005	81.0
Total	420	125,821	126,240	31.4	13.1	143,025
Annual	—	—	—	—	—	—
Mobile	—	17,354	17,354	0.77	2.03	18,000
Area	—	6.56	6.56	< 0.005	< 0.005	6.58
Energy	—	3,412	3,412	0.55	0.07	3,445
Water	31.8	45.0	76.8	0.12	0.07	101
Waste	37.7	0.00	37.7	3.77	0.00	132
Refrig.	—	—	—	—	—	1,982
Off-Road	—	0.00	0.00	0.00	0.00	0.00
Stationary	0.00	13.4	13.4	< 0.005	< 0.005	13.4
Total	69.5	20,831	20,900	5.20	2.16	23,680

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	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—

Mobile	—	98,251	98,251	4.30	11.3	102,019
Area	—	80.3	80.3	< 0.005	< 0.005	80.6
Energy	—	749	749	0.10	0.01	755
Water	174	246	421	0.64	0.39	551
Waste	114	0.00	114	11.4	0.00	398
Refrig.	—	—	—	—	—	11,973
Off-Road	—	0.00	0.00	0.00	0.00	0.00
Stationary	0.00	1,179	1,179	0.05	0.01	1,183
Total	288	100,506	100,794	16.5	11.7	116,959
Daily, Winter (Max)	—	—	—	—	—	—
Mobile	—	97,580	97,580	4.32	11.4	101,097
Area	—	—	—	—	—	—
Energy	—	749	749	0.10	0.01	755
Water	174	246	421	0.64	0.39	551
Waste	114	0.00	114	11.4	0.00	398
Refrig.	—	—	—	—	—	11,973
Off-Road	—	0.00	0.00	0.00	0.00	0.00
Stationary	0.00	1,179	1,179	0.05	0.01	1,183
Total	288	99,755	100,043	16.5	11.8	115,956
Average Daily	—	—	—	—	—	—
Mobile	—	97,613	97,613	4.32	11.4	101,243
Area	—	39.6	39.6	< 0.005	< 0.005	39.8
Energy	—	749	749	0.10	0.01	755
Water	174	246	421	0.64	0.39	551
Waste	114	0.00	114	11.4	0.00	398
Refrig.	—	—	—	—	—	11,973
Off-Road	—	0.00	0.00	0.00	0.00	0.00

Stationary	0.00	80.7	80.7	< 0.005	< 0.005	81.0
Total	288	98,729	99,017	16.4	11.8	115,040
Annual	—	—	—	—	—	—
Mobile	—	16,161	16,161	0.71	1.89	16,762
Area	—	6.56	6.56	< 0.005	< 0.005	6.58
Energy	—	124	124	0.02	< 0.005	125
Water	28.8	40.8	69.6	0.11	0.06	91.3
Waste	18.8	0.00	18.8	1.88	0.00	65.9
Refrig.	—	—	—	—	—	1,982
Off-Road	—	0.00	0.00	0.00	0.00	0.00
Stationary	0.00	13.4	13.4	< 0.005	< 0.005	13.4
Total	47.7	16,346	16,393	2.72	1.95	19,046

3. Construction Emissions Details

3.1. Site Preparation (2023) - Unmitigated

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

Location	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—
Off-Road Equipment	—	5,295	5,295	0.21	0.04	5,314
Dust From Material Movement	—	—	—	—	—	—
Onsite truck	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—
Off-Road Equipment	—	145	145	0.01	< 0.005	146

Dust From Material Movement	—	—	—	—	—	—
Onsite truck	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—
Off-Road Equipment	—	24.0	24.0	< 0.005	< 0.005	24.1
Dust From Material Movement	—	—	—	—	—	—
Onsite truck	—	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—
Worker	—	114	114	0.01	< 0.005	117
Vendor	—	0.00	0.00	0.00	0.00	0.00
Hauling	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—
Worker	—	3.07	3.07	< 0.005	< 0.005	3.12
Vendor	—	0.00	0.00	0.00	0.00	0.00
Hauling	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—
Worker	—	0.51	0.51	< 0.005	< 0.005	0.52
Vendor	—	0.00	0.00	0.00	0.00	0.00
Hauling	—	0.00	0.00	0.00	0.00	0.00

3.2. Site Preparation (2023) - Mitigated

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

Location	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—

Off-Road Equipment	—	5,295	5,295	0.21	0.04	5,314
Dust From Material Movement	—	—	—	—	—	—
Onsite truck	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—
Off-Road Equipment	—	145	145	0.01	< 0.005	146
Dust From Material Movement	—	—	—	—	—	—
Onsite truck	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—
Off-Road Equipment	—	24.0	24.0	< 0.005	< 0.005	24.1
Dust From Material Movement	—	—	—	—	—	—
Onsite truck	—	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—
Worker	—	114	114	0.01	< 0.005	117
Vendor	—	0.00	0.00	0.00	0.00	0.00
Hauling	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—
Worker	—	3.07	3.07	< 0.005	< 0.005	3.12
Vendor	—	0.00	0.00	0.00	0.00	0.00
Hauling	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—
Worker	—	0.51	0.51	< 0.005	< 0.005	0.52
Vendor	—	0.00	0.00	0.00	0.00	0.00
Hauling	—	0.00	0.00	0.00	0.00	0.00

3.3. Grading (2023) - Unmitigated

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

Location	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—
Off-Road Equipment	—	6,598	6,598	0.27	0.05	6,621
Dust From Material Movement	—	—	—	—	—	—
Onsite truck	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—
Off-Road Equipment	—	633	633	0.03	0.01	635
Dust From Material Movement	—	—	—	—	—	—
Onsite truck	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—
Off-Road Equipment	—	105	105	< 0.005	< 0.005	105
Dust From Material Movement	—	—	—	—	—	—
Onsite truck	—	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—
Worker	—	131	131	0.01	0.01	133
Vendor	—	0.00	0.00	0.00	0.00	0.00
Hauling	—	3,957	3,957	0.25	0.63	4,160
Daily, Winter (Max)	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—
Worker	—	12.3	12.3	< 0.005	< 0.005	12.5

Vendor	—	0.00	0.00	0.00	0.00	0.00
Hauling	—	380	380	0.02	0.06	399
Annual	—	—	—	—	—	—
Worker	—	2.03	2.03	< 0.005	< 0.005	2.07
Vendor	—	0.00	0.00	0.00	0.00	0.00
Hauling	—	62.8	62.8	< 0.005	0.01	66.0

3.4. Grading (2023) - Mitigated

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

Location	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—
Off-Road Equipment	—	6,598	6,598	0.27	0.05	6,621
Dust From Material Movement	—	—	—	—	—	—
Onsite truck	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—
Off-Road Equipment	—	633	633	0.03	0.01	635
Dust From Material Movement	—	—	—	—	—	—
Onsite truck	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—
Off-Road Equipment	—	105	105	< 0.005	< 0.005	105
Dust From Material Movement	—	—	—	—	—	—
Onsite truck	—	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—
Worker	—	131	131	0.01	0.01	133
Vendor	—	0.00	0.00	0.00	0.00	0.00
Hauling	—	3,957	3,957	0.25	0.63	4,160
Daily, Winter (Max)	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—
Worker	—	12.3	12.3	< 0.005	< 0.005	12.5
Vendor	—	0.00	0.00	0.00	0.00	0.00
Hauling	—	380	380	0.02	0.06	399
Annual	—	—	—	—	—	—
Worker	—	2.03	2.03	< 0.005	< 0.005	2.07
Vendor	—	0.00	0.00	0.00	0.00	0.00
Hauling	—	62.8	62.8	< 0.005	0.01	66.0

3.5. Building Construction (2023) - Unmitigated

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

Location	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—
Off-Road Equipment	—	2,397	2,397	0.10	0.02	2,406
Onsite truck	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—
Off-Road Equipment	—	2,397	2,397	0.10	0.02	2,406
Onsite truck	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—
Off-Road Equipment	—	690	690	0.03	0.01	692
Onsite truck	—	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—
Off-Road Equipment	—	114	114	< 0.005	< 0.005	115
Onsite truck	—	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—
Worker	—	1,232	1,232	0.08	0.05	1,256
Vendor	—	1,349	1,349	0.06	0.19	1,411
Hauling	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—
Worker	—	1,207	1,207	0.09	0.05	1,225
Vendor	—	1,349	1,349	0.06	0.19	1,408
Hauling	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—
Worker	—	348	348	0.02	0.02	354
Vendor	—	388	388	0.02	0.06	405
Hauling	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—
Worker	—	57.5	57.5	< 0.005	< 0.005	58.5
Vendor	—	64.2	64.2	< 0.005	0.01	67.1
Hauling	—	0.00	0.00	0.00	0.00	0.00

3.6. Building Construction (2023) - Mitigated

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

Location	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—
Off-Road Equipment	—	2,397	2,397	0.10	0.02	2,406

Onsite truck	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—
Off-Road Equipment	—	2,397	2,397	0.10	0.02	2,406
Onsite truck	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—
Off-Road Equipment	—	690	690	0.03	0.01	692
Onsite truck	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—
Off-Road Equipment	—	114	114	< 0.005	< 0.005	115
Onsite truck	—	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—
Worker	—	1,232	1,232	0.08	0.05	1,256
Vendor	—	1,349	1,349	0.06	0.19	1,411
Hauling	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—
Worker	—	1,207	1,207	0.09	0.05	1,225
Vendor	—	1,349	1,349	0.06	0.19	1,408
Hauling	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—
Worker	—	348	348	0.02	0.02	354
Vendor	—	388	388	0.02	0.06	405
Hauling	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—
Worker	—	57.5	57.5	< 0.005	< 0.005	58.5
Vendor	—	64.2	64.2	< 0.005	0.01	67.1
Hauling	—	0.00	0.00	0.00	0.00	0.00

3.7. 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	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—
Off-Road Equipment	—	2,398	2,398	0.10	0.02	2,406
Onsite truck	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—
Off-Road Equipment	—	2,398	2,398	0.10	0.02	2,406
Onsite truck	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—
Off-Road Equipment	—	812	812	0.03	0.01	815
Onsite truck	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—
Off-Road Equipment	—	134	134	0.01	< 0.005	135
Onsite truck	—	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—
Worker	—	1,210	1,210	0.08	0.05	1,234
Vendor	—	1,330	1,330	0.06	0.19	1,392
Hauling	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—
Worker	—	1,185	1,185	0.09	0.05	1,204
Vendor	—	1,331	1,331	0.06	0.19	1,390
Hauling	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—
Worker	—	402	402	0.03	0.02	409

Vendor	—	451	451	0.02	0.07	471
Hauling	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—
Worker	—	66.5	66.5	< 0.005	< 0.005	67.6
Vendor	—	74.6	74.6	< 0.005	0.01	78.0
Hauling	—	0.00	0.00	0.00	0.00	0.00

3.8. 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	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—
Off-Road Equipment	—	2,398	2,398	0.10	0.02	2,406
Onsite truck	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—
Off-Road Equipment	—	2,398	2,398	0.10	0.02	2,406
Onsite truck	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—
Off-Road Equipment	—	812	812	0.03	0.01	815
Onsite truck	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—
Off-Road Equipment	—	134	134	0.01	< 0.005	135
Onsite truck	—	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—
Worker	—	1,210	1,210	0.08	0.05	1,234
Vendor	—	1,330	1,330	0.06	0.19	1,392

Hauling	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—
Worker	—	1,185	1,185	0.09	0.05	1,204
Vendor	—	1,331	1,331	0.06	0.19	1,390
Hauling	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—
Worker	—	402	402	0.03	0.02	409
Vendor	—	451	451	0.02	0.07	471
Hauling	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—
Worker	—	66.5	66.5	< 0.005	< 0.005	67.6
Vendor	—	74.6	74.6	< 0.005	0.01	78.0
Hauling	—	0.00	0.00	0.00	0.00	0.00

3.9. Paving (2024) - Unmitigated

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

Location	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—
Off-Road Equipment	—	1,512	1,512	0.06	0.01	1,517
Paving	—	—	—	—	—	—
Onsite truck	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—
Off-Road Equipment	—	82.8	82.8	< 0.005	< 0.005	83.1
Paving	—	—	—	—	—	—
Onsite truck	—	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—
Off-Road Equipment	—	13.7	13.7	< 0.005	< 0.005	13.8
Paving	—	—	—	—	—	—
Onsite truck	—	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—
Worker	—	96.2	96.2	0.01	< 0.005	98.1
Vendor	—	0.00	0.00	0.00	0.00	0.00
Hauling	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—
Worker	—	5.17	5.17	< 0.005	< 0.005	5.26
Vendor	—	0.00	0.00	0.00	0.00	0.00
Hauling	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—
Worker	—	0.86	0.86	< 0.005	< 0.005	0.87
Vendor	—	0.00	0.00	0.00	0.00	0.00
Hauling	—	0.00	0.00	0.00	0.00	0.00

3.10. Paving (2024) - Mitigated

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

Location	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—
Off-Road Equipment	—	1,512	1,512	0.06	0.01	1,517
Paving	—	—	—	—	—	—
Onsite truck	—	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—
Off-Road Equipment	—	82.8	82.8	< 0.005	< 0.005	83.1
Paving	—	—	—	—	—	—
Onsite truck	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—
Off-Road Equipment	—	13.7	13.7	< 0.005	< 0.005	13.8
Paving	—	—	—	—	—	—
Onsite truck	—	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—
Worker	—	96.2	96.2	0.01	< 0.005	98.1
Vendor	—	0.00	0.00	0.00	0.00	0.00
Hauling	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—
Worker	—	5.17	5.17	< 0.005	< 0.005	5.26
Vendor	—	0.00	0.00	0.00	0.00	0.00
Hauling	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—
Worker	—	0.86	0.86	< 0.005	< 0.005	0.87
Vendor	—	0.00	0.00	0.00	0.00	0.00
Hauling	—	0.00	0.00	0.00	0.00	0.00

3.11. 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	BCO2	NBCO2	CO2T	CH4	N2O	CO2e

Onsite	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—
Off-Road Equipment	—	134	134	0.01	< 0.005	134
Architectural Coatings	—	—	—	—	—	—
Onsite truck	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—
Off-Road Equipment	—	7.32	7.32	< 0.005	< 0.005	7.34
Architectural Coatings	—	—	—	—	—	—
Onsite truck	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—
Off-Road Equipment	—	1.21	1.21	< 0.005	< 0.005	1.22
Architectural Coatings	—	—	—	—	—	—
Onsite truck	—	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—
Worker	—	242	242	0.02	0.01	247
Vendor	—	0.00	0.00	0.00	0.00	0.00
Hauling	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—
Worker	—	13.0	13.0	< 0.005	< 0.005	13.2
Vendor	—	0.00	0.00	0.00	0.00	0.00
Hauling	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—
Worker	—	2.15	2.15	< 0.005	< 0.005	2.19
Vendor	—	0.00	0.00	0.00	0.00	0.00

Hauling	—	0.00	0.00	0.00	0.00	0.00

3.12. 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	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—
Off-Road Equipment	—	134	134	0.01	< 0.005	134
Architectural Coatings	—	—	—	—	—	—
Onsite truck	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—
Off-Road Equipment	—	7.32	7.32	< 0.005	< 0.005	7.34
Architectural Coatings	—	—	—	—	—	—
Onsite truck	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—
Off-Road Equipment	—	1.21	1.21	< 0.005	< 0.005	1.22
Architectural Coatings	—	—	—	—	—	—
Onsite truck	—	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—
Worker	—	242	242	0.02	0.01	247
Vendor	—	0.00	0.00	0.00	0.00	0.00
Hauling	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—
Worker	—	13.0	13.0	< 0.005	< 0.005	13.2

Vendor	—	0.00	0.00	0.00	0.00	0.00
Hauling	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—
Worker	—	2.15	2.15	< 0.005	< 0.005	2.19
Vendor	—	0.00	0.00	0.00	0.00	0.00
Hauling	—	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	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—
Refrigerated Warehouse-No Rail	—	19,859	19,859	3.21	0.39	20,055
Parking Lot	—	201	201	0.03	< 0.005	203
undefined	—	239	239	0.04	< 0.005	242
Total	—	20,299	20,299	3.28	0.40	20,500
Daily, Winter (Max)	—	—	—	—	—	—

Refrigerated Warehouse-No Rail	—	19,859	19,859	3.21	0.39	20,055
Parking Lot	—	201	201	0.03	< 0.005	203
undefined	—	239	239	0.04	< 0.005	242
Total	—	20,299	20,299	3.28	0.40	20,500
Annual	—	—	—	—	—	—
Refrigerated Warehouse-No Rail	—	3,288	3,288	0.53	0.06	3,320
Parking Lot	—	33.2	33.2	0.01	< 0.005	33.6
undefined	—	39.6	39.6	0.01	< 0.005	40.0
Total	—	3,361	3,361	0.54	0.07	3,394

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	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—
Refrigerated Warehouse-No Rail	—	0.00	0.00	0.00	0.00	0.00
Parking Lot	—	201	201	0.03	< 0.005	203
undefined	—	239	239	0.04	< 0.005	242
Total	—	440	440	0.07	0.01	445
Daily, Winter (Max)	—	—	—	—	—	—
Refrigerated Warehouse-No Rail	—	0.00	0.00	0.00	0.00	0.00
Parking Lot	—	201	201	0.03	< 0.005	203
undefined	—	239	239	0.04	< 0.005	242
Total	—	440	440	0.07	0.01	445
Annual	—	—	—	—	—	—

Refrigerated Warehouse-No Rail	—	0.00	0.00	0.00	0.00	0.00
Parking Lot	—	33.2	33.2	0.01	< 0.005	33.6
undefined	—	39.6	39.6	0.01	< 0.005	40.0
Total	—	72.9	72.9	0.01	< 0.005	73.6

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	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—
Refrigerated Warehouse-No Rail	—	309	309	0.03	< 0.005	310
Parking Lot	—	0.00	0.00	0.00	0.00	0.00
Total	—	309	309	0.03	< 0.005	310
Daily, Winter (Max)	—	—	—	—	—	—
Refrigerated Warehouse-No Rail	—	309	309	0.03	< 0.005	310
Parking Lot	—	0.00	0.00	0.00	0.00	0.00
Total	—	309	309	0.03	< 0.005	310
Annual	—	—	—	—	—	—
Refrigerated Warehouse-No Rail	—	51.2	51.2	< 0.005	< 0.005	51.3
Parking Lot	—	0.00	0.00	0.00	0.00	0.00
Total	—	51.2	51.2	< 0.005	< 0.005	51.3

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)

Land Use	BCO2	NBCO2	CO2T	CH4	N2O	CO2e

Daily, Summer (Max)	—	—	—	—	—	—
Refrigerated Warehouse-No Rail	—	309	309	0.03	< 0.005	310
Parking Lot	—	0.00	0.00	0.00	0.00	0.00
Total	—	309	309	0.03	< 0.005	310
Daily, Winter (Max)	—	—	—	—	—	—
Refrigerated Warehouse-No Rail	—	309	309	0.03	< 0.005	310
Parking Lot	—	0.00	0.00	0.00	0.00	0.00
Total	—	309	309	0.03	< 0.005	310
Annual	—	—	—	—	—	—
Refrigerated Warehouse-No Rail	—	51.2	51.2	< 0.005	< 0.005	51.3
Parking Lot	—	0.00	0.00	0.00	0.00	0.00
Total	—	51.2	51.2	< 0.005	< 0.005	51.3

4.3. Area Emissions by Source

4.3.2. Unmitigated

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

Source	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—
Consumer Products	—	—	—	—	—	—
Architectural Coatings	—	—	—	—	—	—
Landscape Equipment	—	80.3	80.3	< 0.005	< 0.005	80.6
Total	—	80.3	80.3	< 0.005	< 0.005	80.6
Daily, Winter (Max)	—	—	—	—	—	—
Consumer Products	—	—	—	—	—	—
Architectural Coatings	—	—	—	—	—	—

Total	—	—	—	—	—	—
Annual	—	—	—	—	—	—
Consumer Products	—	—	—	—	—	—
Architectural Coatings	—	—	—	—	—	—
Landscape Equipment	—	6.56	6.56	< 0.005	< 0.005	6.58
Total	—	6.56	6.56	< 0.005	< 0.005	6.58

4.3.1. Mitigated

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

Source	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—
Consumer Products	—	—	—	—	—	—
Architectural Coatings	—	—	—	—	—	—
Landscape Equipment	—	80.3	80.3	< 0.005	< 0.005	80.6
Total	—	80.3	80.3	< 0.005	< 0.005	80.6
Daily, Winter (Max)	—	—	—	—	—	—
Consumer Products	—	—	—	—	—	—
Architectural Coatings	—	—	—	—	—	—
Total	—	—	—	—	—	—
Annual	—	—	—	—	—	—
Consumer Products	—	—	—	—	—	—
Architectural Coatings	—	—	—	—	—	—
Landscape Equipment	—	6.56	6.56	< 0.005	< 0.005	6.58
Total	—	6.56	6.56	< 0.005	< 0.005	6.58

4.4. Water Emissions by Land Use

4.4.2. Unmitigated

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

Land Use	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—
Refrigerated Warehouse-No Rail	192	272	464	0.70	0.42	608
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00
Total	192	272	464	0.70	0.42	608
Daily, Winter (Max)	—	—	—	—	—	—
Refrigerated Warehouse-No Rail	192	272	464	0.70	0.42	608
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00
Total	192	272	464	0.70	0.42	608
Annual	—	—	—	—	—	—
Refrigerated Warehouse-No Rail	31.8	45.0	76.8	0.12	0.07	101
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00
Total	31.8	45.0	76.8	0.12	0.07	101

4.4.1. Mitigated

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

Land Use	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—
Refrigerated Warehouse-No Rail	174	246	421	0.64	0.39	551
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00
Total	174	246	421	0.64	0.39	551
Daily, Winter (Max)	—	—	—	—	—	—

Refrigerated Warehouse-No Rail	174	246	421	0.64	0.39	551
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00
Total	174	246	421	0.64	0.39	551
Annual	—	—	—	—	—	—
Refrigerated Warehouse-No Rail	28.8	40.8	69.6	0.11	0.06	91.3
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00
Total	28.8	40.8	69.6	0.11	0.06	91.3

4.5. Waste Emissions by Land Use

4.5.2. Unmitigated

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

Land Use	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—
Refrigerated Warehouse-No Rail	228	0.00	228	22.7	0.00	796
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00
Total	228	0.00	228	22.7	0.00	796
Daily, Winter (Max)	—	—	—	—	—	—
Refrigerated Warehouse-No Rail	228	0.00	228	22.7	0.00	796
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00
Total	228	0.00	228	22.7	0.00	796
Annual	—	—	—	—	—	—
Refrigerated Warehouse-No Rail	37.7	0.00	37.7	3.77	0.00	132
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00

Total	37.7	0.00	37.7	3.77	0.00	132

4.5.1. Mitigated

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

Land Use	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—
Refrigerated Warehouse-No Rail	114	0.00	114	11.4	0.00	398
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00
Total	114	0.00	114	11.4	0.00	398
Daily, Winter (Max)	—	—	—	—	—	—
Refrigerated Warehouse-No Rail	114	0.00	114	11.4	0.00	398
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00
Total	114	0.00	114	11.4	0.00	398
Annual	—	—	—	—	—	—
Refrigerated Warehouse-No Rail	18.8	0.00	18.8	1.88	0.00	65.9
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00
Total	18.8	0.00	18.8	1.88	0.00	65.9

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	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—
Refrigerated Warehouse-No Rail	—	—	—	—	—	11,973

Total	—	—	—	—	—	11,973
Daily, Winter (Max)	—	—	—	—	—	—
Refrigerated Warehouse-No Rail	—	—	—	—	—	11,973
Total	—	—	—	—	—	11,973
Annual	—	—	—	—	—	—
Refrigerated Warehouse-No Rail	—	—	—	—	—	1,982
Total	—	—	—	—	—	1,982

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	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—
Refrigerated Warehouse-No Rail	—	—	—	—	—	11,973
Total	—	—	—	—	—	11,973
Daily, Winter (Max)	—	—	—	—	—	—
Refrigerated Warehouse-No Rail	—	—	—	—	—	11,973
Total	—	—	—	—	—	11,973
Annual	—	—	—	—	—	—
Refrigerated Warehouse-No Rail	—	—	—	—	—	1,982
Total	—	—	—	—	—	1,982

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	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—
Forklifts	—	0.00	0.00	0.00	0.00	0.00
Total	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—
Forklifts	—	0.00	0.00	0.00	0.00	0.00
Total	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—
Forklifts	—	0.00	0.00	0.00	0.00	0.00
Total	—	0.00	0.00	0.00	0.00	0.00

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	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—
Forklifts	—	0.00	0.00	0.00	0.00	0.00
Total	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—
Forklifts	—	0.00	0.00	0.00	0.00	0.00
Total	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—
Forklifts	—	0.00	0.00	0.00	0.00	0.00
Total	—	0.00	0.00	0.00	0.00	0.00

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	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—
Fire Pump	0.00	1,179	1,179	0.05	0.01	1,183
Total	0.00	1,179	1,179	0.05	0.01	1,183
Daily, Winter (Max)	—	—	—	—	—	—
Fire Pump	0.00	1,179	1,179	0.05	0.01	1,183
Total	0.00	1,179	1,179	0.05	0.01	1,183
Annual	—	—	—	—	—	—
Fire Pump	0.00	13.4	13.4	< 0.005	< 0.005	13.4
Total	0.00	13.4	13.4	< 0.005	< 0.005	13.4

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	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—
Fire Pump	0.00	1,179	1,179	0.05	0.01	1,183
Total	0.00	1,179	1,179	0.05	0.01	1,183
Daily, Winter (Max)	—	—	—	—	—	—
Fire Pump	0.00	1,179	1,179	0.05	0.01	1,183
Total	0.00	1,179	1,179	0.05	0.01	1,183
Annual	—	—	—	—	—	—
Fire Pump	0.00	13.4	13.4	< 0.005	< 0.005	13.4
Total	0.00	13.4	13.4	< 0.005	< 0.005	13.4

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	BCO2	NBCO2	CO2T	CH4	N2O	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	BCO2	NBCO2	CO2T	CH4	N2O	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	BCO2	NBCO2	CO2T	CH4	N2O	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	BCO2	NBCO2	CO2T	CH4	N2O	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	BCO2	NBCO2	CO2T	CH4	N2O	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	BCO2	NBCO2	CO2T	CH4	N2O	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	BCO2	NBCO2	CO2T	CH4	N2O	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	BCO2	NBCO2	CO2T	CH4	N2O	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	6/5/2023	6/16/2023	5.00	10.0	—
Grading	Grading	6/19/2023	8/4/2023	5.00	35.0	—
Building Construction	Building Construction	8/7/2023	6/21/2024	5.00	230	—
Paving	Paving	6/3/2024	6/28/2024	5.00	20.0	—
Architectural Coating	Architectural Coating	6/3/2024	6/28/2024	5.00	20.0	—

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	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
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
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
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

5.3. 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	8.80	LDA,LDT1,LDT2
Site Preparation	Vendor	—	5.30	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	20.0	8.80	LDA,LDT1,LDT2
Grading	Vendor	—	5.30	HHDT,MHDT
Grading	Hauling	52.0	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	189	8.80	LDA,LDT1,LDT2

Building Construction	Vendor	73.6	5.30	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	15.0	8.80	LDA,LDT1,LDT2
Paving	Vendor	—	5.30	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	37.7	8.80	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	5.30	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
Site Preparation	—	—	—	—
Site Preparation	Worker	17.5	8.80	LDA,LDT1,LDT2
Site Preparation	Vendor	—	5.30	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	20.0	8.80	LDA,LDT1,LDT2
Grading	Vendor	—	5.30	HHDT,MHDT
Grading	Hauling	52.0	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—

Building Construction	Worker	189	8.80	LDA,LDT1,LDT2
Building Construction	Vendor	73.6	5.30	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	15.0	8.80	LDA,LDT1,LDT2
Paving	Vendor	—	5.30	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	37.7	8.80	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	5.30	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

Control Strategies Applied	PM10 Reduction	PM2.5 Reduction
Water unpaved roads twice daily	55%	55%
Limit vehicle speeds on unpaved roads to 25 mph	44%	44%
Sweep paved roads once per month	9%	9%

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	673,872	224,624	24,594

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	—	—	15.0	0.00	—
Grading	—	14,565	19.7	0.00	—
Paving	0.00	0.00	0.00	0.00	9.41

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	9.41	100%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2023	0.00	204	0.03	< 0.005
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
Total all Land Uses	949	949	949	346,286	34,696	34,696	34,696	12,664,200

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	883	883	883	322,476	32,311	32,311	32,311	11,793,443

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	673,872	224,624	24,594

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	35,535,000	204	0.0330	0.0040	964,962
Parking Lot	359,072	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	0.00	204	0.0330	0.0040	964,962
Parking Lot	359,072	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	89,846,881	0.00
Parking Lot	0.00	0.00

5.12.2. Mitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Refrigerated Warehouse-No Rail	81,491,121	0.00
Parking Lot	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	422	—
Parking Lot	0.00	—

5.13.2. Mitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Refrigerated Warehouse-No Rail	211	—
Parking Lot	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-404A	3,922	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	Electric	Average	4.00	24.0	82.0	0.20

5.15.2. Mitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Forklifts	Electric	Average	4.00	24.0	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
Fire Pump	Diesel	2.00	2.00	50.0	351	0.73

5.16.2. Process Boilers

Equipment Type	Fuel Type	Number	Boiler Rating (MMBtu/hr)	Daily Heat Input (MMBtu/day)	Annual Heat Input (MMBtu/yr)

5.17. User Defined

Equipment Type	Fuel Type
—	—

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

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

5.18.2.2. Mitigated

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

8. User Changes to Default Data

Screen	Justification
Land Use	Approximately 19.72 acres of the project area will consist of impervious surface (structures and paving).
Construction: Construction Phases	Construction is expected to last approximately 13 months.
Construction: Dust From Material Movement	The proposed would include 64,876 cubic yards of cut and 50,311 cubic yards of fill, and would result in approximately 14,565 cubic yards of net cut.

Operations: Vehicle Data	Based on trip generation and vehicle miles traveled prepared for the proposed project.
Operations: Energy Use	The estimated potential increased electricity demand associated with operation of the proposed project is approximately 35,535,000 kilowatt hours (kWh) per year.
Operations: Water and Waste Water	The project proposes the construction of a new freezer and processor which would result in an anticipated maximum water demand of 257.73 AFY (89,846,880.6 gallons per year)
Operations: Off-Road Equipment	The GHGRP requires the use of electric forklifts.
Operations: Fleet Mix	During peak harvest season (May through September), operation of the project is expected to generate approximately 1,642 average daily trips, with 1,246 employee trips and 396 truck trips. During the non-harvest season, the project is expected to generate approximately 454 average daily trips, with 306 employee vehicle trips and 148 truck trips.
Operations: Emergency Generators and Fire Pumps	The project would have a diesel fire pump system.